Earth Solutions NW LLC

Geotechnical Engineering
Construction Observation/Testing
Environmental Services

PHASE I ENVIRONMENTAL SITE ASSESSMENT
SUNSET POINTE
2301 – 23RD STREET SOUTHEAST
PUYALLUP, WASHINGTON

ES-5559.06

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PREPARED FOR

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February 10, 2023

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EXECUTIVE SUMMARY

At the request of Mr. Peter Chen (Client), Earth Solutions NW, LLC (ESNW) has completed a Phase I Environmental Site Assessment (ESA) for the Sunset Pointe property, located at 2301 – 23rd Street Southeast, in Puyallup, Washington (see Vicinity Map – Plate 1). This Phase I ESA was prepared in general accordance with the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, Designation E1527-13 and E1527-21.

The subject property consists of two tax parcels (Pierce County Parcel Nos. 042035-3027 and -7011) comprising a combined total of approximately 9.18 acres of land area (see Site Plan – Plate 2). The subject property is currently vacant and moderately overgrown with grass, brambles, and trees. Remnant building foundations currently occupy the southern portion of the subject property. A pond currently occupies the central portion of the subject property. A cell tower currently occupies the northeastern corner of the subject property.

The subject property was historically developed with one to two single-family residences from as early as 1924. Additional sheds, barns, and storage structures were built on the subject property up to roughly the 1950's. Review of historical aerial photographs and historical topographic maps depict gravel mine operations immediately south of the subject property from 1949 through 1997. Records indicate the structures on the subject property were associated with the gravel mining operations. The exact nature of the usage was not made available.

Records indicate two aboveground storage tanks (ASTs) previously occupied the subject property. During a previous Phase I ESA (conducted by Earth Associates, Inc. in 2005), a heating fuel AST was observed along the northern residence of the property. The heating fuel AST was reportedly not in service and did not show evidence of leaking. However, the residence identified with the heating fuel AST is not currently a portion of the subject project and subject property. The second AST was reportedly used to fuel vehicles (likely associated with the gravel mine operation) and did not show signs of leaking. No signs of the former ASTs (including soil staining and stressed vegetation) were observed during the 2023 site reconnaissance. No underground storage tanks (USTs) or aboveground storage tanks (ASTs) were listed on the regulatory databases for the subject property. Additionally, no fill ports or vent pipes associated with USTs were observed at the property during the site reconnaissance.

Records indicate a soil retention wall located along the northern edge of the pond on the subject property was previously constructed with battery casings. The battery casings were reportedly obtained from a local battery recycler in the 1960's. Records indicate the battery casings were emptied of their original contents, cleaned, and filled with soil. One soil sample was reportedly taken from the inside the battery casings and analyzed for Lead Toxicity Characteristic Leaching Potential (TCLP) and pH analyses in 2004. Lab results indicated a pH of 7.5 and leachable lead concentrations of 0.38 parts per million (ppm). Lead was estimated to be in a concentration of 7.6 ppm in soil within and surrounding the battery casing retention wall, which is well below regulatory clean up levels. The battery casings have since been removed from the subject property and a soil berm was constructed in its place. Although one soil sample was taken from the formerly existing battery casing retention wall, the potential for lead contamination to remain in soil and groundwater surrounding the northern portion of the on-site pond represents a Potential Recognized Environmental Condition (PREC) to the subject property.

The Environmental Data Resources, Inc. (EDR) database report identified the subject property on the CSCSL and Spills regulatory databases (among others) in connection with documented soil contamination and suspected groundwater contamination at the property. Records with Ecology indicate roughly 50, 55-gallon drums (and other smaller drums and containers) were identified within the former barn and storage structures at the subject property in 2010. Approximately 27 of the drums/containers were observed to be full or partially full of waste oil/grease, mineral spirits, and other hazardous substances. Soil staining and obvious releases of hazardous substances were reportedly observed surrounding some of the 55-gallon drums. Soil samples (taken by Ecology in 2011) surrounding the 55-gallon drums identified lube oil and gasoline range organics well above the Model Toxics Control Act (MTCA) Method A soil cleanup levels for unrestricted land-use (CUL). A variety of pesticides and herbicides were reportedly identified at levels below cleanup levels with the exception of lindane, which was identified at a concentration equaling the CUL. See Appendix J to review the Ecology records. Based on the records indicating the subject property as a source of soil contamination, and the lack of records indicating further delineation or remediation of contaminated soil, the CSCSL listing represents a Recognized Environmental Condition (REC) to the subject property.

The EDR database report identified several nearby properties on the Allsites databases in connection with Construction Stormwater General Permits (CSGPs) for construction activities and storm water management. CSGPs are a standard Ecology requirement for protection of Waters of the State. No soil or groundwater contamination is recorded for these permits. Given the nature of these listings, they do not represent an environmental concern.

The reconnaissance of the subject property and adjacent properties, a review of regulatory lists and files, a review of the subject property history, and interviews with knowledgeable persons revealed evidence of one Recognized Environmental Condition (REC) in connection with known soil and suspected groundwater contamination surrounding the locations of former 55-gallon drums at the subject property. One Potential REC (PREC) was identified at the subject property in connection with potential soil and groundwater contamination surrounding the former battery casing retention wall. No evidence of Historical Recognized Environmental Conditions (HRECs) or Controlled RECs (CRECs) were identified in connection with the subject property. No significant data gaps were identified during the course of this Phase I ESA investigation. See Section 8.1 of this report for overall recommendations regarding the subject property.

This is an executive summary of findings and should not be relied upon without consulting the attached report for a more detailed description of the Phase I ESA performed by ESNW for the use of Mr. Peter Chen. This report is subject to the limitations included in Section 1.5 of this report.

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1.0 INTRODUCTION

1.1 LOCATION AND LEGAL DESCRIPTION

The information presented in Table 1 describes the physical location and legal description of the subject property. This information was obtained from observations made during the subject property reconnaissance and information obtained from maps, public records, and interviews.

Table 1
Location and Legal Description

SUBJECT PROPERTY NAME	Sunset Pointe
SUBJECT PROPERTY ADDRESS	2301 – 23rd Street Southeast, Puyallup, Washington 98372
LOCATION	North of the northern terminus of 23rd Street Southeast, in Puyallup, Washington
SUBJECT PROPERTY PARCEL NUMBERS	042035-3027 and -7011
LEGAL DESCRIPTIONS	042035-3027: Section 35 Township 20 Range 04 Quarter 34 : PARCEL 2 OF ROS FOR BLA 2018-04-16-5001 POR OF SW DESC AS FOLL COM AT SW COR OF SW TH E ALG S LI 1974.60 TH N 0 DEG 2 MIN 48 SEC W 615.92 FT TO POB TH N 85 DEG 57 MIN 35 SEC W 292.3 FT TH N 60 DEG 29 MIN 26 SEC W 44.88 FT TH N 14 DEG 8 MIN 31 SEC W 219.64 FT TH N 87 DEG 53 DEG 22 SEC W 254.13 FT TH N 0 DEG 15 MIN 22 SEC E 226.43 FT TH N 26 MIN 25 SEC 49 SEC W 143.38 FT TH S 87 DEG 52 MIN 20 E 130.65 FT TH N 1 DEG 3 MIN 13 SEC E 122.62 FT TH N 88 DEG 18 MIN W 60.85 FT TH N 0 DEG 53 MIN 14 SEC E 30 FT TH S 88 DEG 18 MIN E 617.28 FT TH S 0 DEG 2 MIN 48 SEC E 750.69 FT TO POB CURRENT USE RCW 84.34 1973 AGRI AFN 2457397 2.5 AC EXCL 6.59 ACS TRNSFD TO OPEN SPACE PBRS 201306040189 SEG F 7515 DC5/29/96JU DC00570389 5/18/18 KG 042035-7011: Section 35 Township 20 Range 04 Quarter 34 : L 2 OF S P 81-05-20-0168 DESC AS FOLL: BEG AT NW COR OF SD L 2 TH S 01 DEG 17 MIN 47 SEC E ALG W LI 532.4 FT TH N 89 DEG 49 MIN 07 SEC E 4.7 FT TH N 00 DEG 22 MIN 05 SEC W 78 FT TH N 00 DEG 49 MIN 54 SEC W 128.7 FT TH N 00 DEG 32 MIN 11 SEC W 325.48 FT TO N LI SD LOT TH N 89 DEG 29 MIN 52 SEC W 11.33 FT TO POB CURRENT USE OPEN SPACE PBRS RCW 84.34 201306040189 OUT OF 7-002 SEG B0567NF 2/14/91BO
TOWNSHIP, SECTION, & RANGE	Township: 20 North, Section: 35, Range: 04 East
ACREAGE	Approximately 9.18 acres

1.2 PURPOSE

ESNW conducted a Phase I ESA for the Sunset Pointe property (subject property), located at 2301 – 23rd Street Southeast, in Puyallup, Washington (as shown in Plate 1). In this report, the property will be referred to as “subject property”.

ESNW understands Mr. Peter Chen (Client) will use the information contained in this report to better understand environmental conditions associated with past and current use of the subject property. ESNW performed this Phase I ESA in accordance with our December 20, 2022 Phase I ESA Proposal (PES-5559.06) and in general accordance with the scope and limitations of the ASTM Standard Practice for Phase I ESAs: ESA Process E1527-13 and E1527-21.

The purpose of this assessment is to assist the Client, in recognizing "environmental conditions" at the subject property. A REC is defined by the ASTM standard as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions."

ESNW performed a reconnaissance of the subject property and surrounding properties on January 4, 2023. Information obtained during the subject property reconnaissance, as well as information obtained at public agencies reviewed by ESNW, was used to complete this Phase I ESA investigation.

1.3 SCOPE-OF-SERVICES

The following sections of this report (summarized below) describe the report format and scope:

- **Executive Summary:** This section provides a summary of the Phase I ESA process, findings, opinions, and conclusions.

- Section 1, **Introduction:** This section identifies the subject property, location, legal description, and the purpose of the Phase I ESA. This section also provides contractual details as well as limiting conditions, deviations, exceptions, significant assumptions, and special terms and conditions.

- Section 2, **User-Provided Information:** This section presents information provided by the user of the Phase I ESA and information from the user questionnaire.

- Section 3, **Records Review:** This section presents a review of standard and additional environmental records sources available from Federal, State, and local regulatory agencies regarding hazardous substance use, storage, or disposal at the subject property, and for off-site facilities up to a one-mile radius from the subject property. Environmental liens or activity and use limitations determined during this records review are included in this section.

- Section 4, **Historical Use of the Property and Adjoining Properties:** This section provides a summary of the historical use of the subject property and adjoining properties. This history is based on various sources including a review of: aerial photographs, fire insurance maps, city or suburban directories, historical topographic maps, chain-of-title records (if provided by the client), and previous environmental reports completed for the subject property (if available).

- Section 5, **Subject Property Reconnaissance:** This section presents subject property reconnaissance observations including general subject property setting, interior and exterior observations, current uses and conditions of the subject property and adjoining properties, and a discussion of the geology and groundwater of the subject property.

- Section 6, **Interviews:** This section provides a summary of interviews regarding the subject property, including the site owner representative and local government officials.

- Section 7, **Evaluations:** This section presents a summary of our findings, opinions, and conclusions as they pertain to environmental conditions associated with the subject property. This section also presents deviations (if applicable) from ASTM Standard Practice for Phase I ESAs: ESA Process E1527-13 and E1527-21. A summary of the qualifications and statement of the Environmental Professionals (Mr. Kyler T. Kelly and Mr. Ted W. Sykes) involved in the completion of this Phase I ESA are also provided in Section 7.

- Section 8, **Non-Scope Services:** Based on the results of the Phase I ESA investigation, this section presents the recommendations regarding environmental conditions associated with the subject property.

- Section 9, **References:** This section provides a summary of the resources used to compile this report.

1.4 USER RELIANCE

This Phase I ESA has been prepared for the exclusive use of the Client. The contents of the report should not be relied upon by other parties without the express written consent of ESNW and the Client.

Provided this report is still reliable (as determined by ESNW), ESNW may issue a third-party reliance letter to a party, other than the Client, identifying in writing under the following conditions: that the third party, including the Client and their successors and assigns, by such reliance, agree in writing to be bound by Terms and Conditions of the contract between the Client and ESNW.

Based on the intended use of the report, ESNW may require that additional work be performed and that an updated report be issued. Non-compliance with any of these limitations, by the Client or anyone else, will release ESNW from any liability resulting from the use of this report by any unauthorized party.

1.5 LIMITING CONDITIONS AND EXCEPTIONS

A Phase I ESA is non-comprehensive by nature and is unlikely to identify all environmental problems or eliminate all risk. The report is a qualitative assessment. ESNW offers a range of investigative and engineering services to suit the needs of our clients, including more quantitative investigations. Although risk can never be eliminated, more detailed and extensive investigations yield more information, which may help you understand and better manage your risks. Since such detailed services involve greater expense, we ask our clients to participate in identifying the level of service which will provide them with an acceptable level of risk. Please contact the signatories of this report if you would like to discuss further this issue of risk management as it relates to more quantitative investigation.

ESNW performed this Phase I ESA in general accordance with the scope and limitations of the ASTM Standard Practice for Phase I ESAs: ESA Process E1527-13 and E1527-21. No warranty, either expressed or implied, is made. Environmental issues not specifically addressed in the report were beyond the scope of our services and not included in this Phase I ESA evaluation.

Land use, site conditions (both on-site and off-site), and other factors will change over time. Since site activities and regulations beyond our control could change at any time after the completion of this report, our observations, findings, and opinions can be considered valid only as of the date of the site visit. This report should not be relied upon after 180 days from the date of issuance (ASTM Standard E1527, Section 4.6).

1.6 DEVIATIONS FROM APPLICABLE GUIDANCE

This section presents deviations from ASTM Standard Practice for Phase I ESAs: ESAs Process E1527-13 and E1527-21.

ESNW did not interview previous owners of the subject property during the course of this Phase I ESA investigation, as they were either unavailable or deceased.

1.7 SIGNIFICANT ASSUMPTIONS AND SPECIAL TERMS AND CONDITIONS

No site-specific significant assumptions or terms and conditions affecting the results or conclusions of this Phase I ESA were identified.

2.0 USER-PROVIDED INFORMATION

Mr. Peter Chen provided ESNW with property owner information that was used to conduct this Phase I ESA. According to the Pierce County Assessor's Office (PCAO), "Peter Y. Chen and Beth Liu" are on record as the current owners of the subject property.

2.1 TITLE RECORDS, ENVIRONMENTAL LIENS, AND ACTIVITY AND USE LIMITATIONS

No Chain-of-Title or other title documents were shared with ESNW by the Client for review prior to the production of this report. No environmental related liens were identified at the subject property during this Phase I ESA.

Additionally, no Activity and Use Limitations (engineering controls, land use restrictions, or institutional controls) have been identified at the subject property during this Phase I ESA.

2.2 VALUE REDUCTION

As part of the ASTM E1527-13 and E1527-21 process, information must be gathered regarding the prospective purchase price of the property relative to the fair market value of the subject property. If there appears to be a value reduction, that reduction must be identified with respect to whether the difference could be attributed to environmental degradation of the property. No environmental related value reduction for the property has been identified as of the date of this report.

3.0 RECORDS REVIEW

The purpose of the records review is to obtain and review records that will help identify recognized environmental conditions in connection with the subject property and surrounding properties.

3.1 STANDARD ENVIRONMENTAL RECORDS SOURCES

Federal, State, and local regulatory agencies publish databases or "lists" of businesses and properties that handle hazardous materials or hazardous waste, or locations of known releases of hazardous substances to soil and/or groundwater. These databases are available for review and/or purchase at the regulatory agencies, or the information may be obtained through a commercial database service. ESNW retained a commercial database service, Environmental Data Resources, Inc. (EDR), to review the regulatory agency lists for references to the subject property and other off-site listings within the appropriate ASTM minimum search distances. The EDR database search results for the subject property and for other nearby facilities are contained in the EDR Radius Map Report with GeoCheck (Appendix A). The Federal and State databases reviewed and the number of sites plotted in each database category are summarized in Table 2 of this report.

The EDR report identified two unmappable sites in the subject property area that are listed as "orphan sites" and are not plotted on EDR maps. Wherever possible, ESNW attempts to identify locations of orphan sites, and include them as part of the records review, where applicable. These orphan sites were identified at locations outside of ASTM minimum search distances and do not represent environmental concerns to the subject property.

Table 2
Records Review – Search Distance Findings

FEDERAL		Total Number of Facilities Listed	Number of Upgradient or Adjacent Facilities Listed*	Subject Property Listed
NPL (National Priority List)	Site & 1.0 Mile	0	0	No
Delisted NPL	Site & 0.5 Mile	0	0	No
CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Act Information System)	Site & 0.5 Mile	0	0	No
CERCLIS NFRAP (No Further Remedial Action Planned)	Site & 0.5 Mile	0	0	No
RCRA (Resource Conservation and Recovery Act) **CORRACTS** (Corrective Actions Sites)	Site & 1.0 Mile	0	0	No
RCRA non-CORRACTS TSD (Transfer Storage and Disposal Sites)	Site & 0.5 Mile	0	0	No
RCRA Generators	Site & 0.25 Mile	0	0	No
US INST/ENG Controls (Institutional Control/Engineering Control Registries)	Site & Adjoining Properties	0	0	No
ERNS (Emergency Response Notification System Listings)	Site	0	0	No
LOCAL, STATE, AND TRIBAL				
Equivalent NPL – HSL (Hazardous Sites List)	Site & 1.0 Mile	0	0	No
CSCSL (Department of Ecology's Confirmed & Suspected Contaminated Sites List)	Site & 1.0 Mile	1	0	Yes
CSCSL NFA (Department of Ecology's Confirmed & Suspected Contaminated Sites List, with No Further Action determination)	Site & 0.5 Mile	0	0	No
SWF/LF (Solid Waste Facilities/Landfill Sites Database)	Site & 0.5 Mile	0	0	No
WA SWCRY (Recycling Facility Database)	Site & 0.5 Mile	0	0	No
LUST (Leaking Underground Storage Tank Sites)	Site & 0.5 Mile	0	0	No
UST (Underground Storage Tank Sites)	Site & 0.25 Mile	0	0	No
INST/ENG Controls	Site & 0.5 Mile	0	0	No
VCP (Voluntary Cleanup Program Sites)	Site & 0.5 Mile	0	0	No
BROWNFIELDS (Brownfields Sites Listings)	Site & 0.5 Mile	0	0	No
WA ICR (Washington State Independent Cleanup Reports)	Site & 0.5 Mile	0	0	No
PTAP (Petroleum Technical Assistance Program)	Site & 0.5 Mile	0	0	No
Allsites	Site & 0.5 Mile	4	0	Yes

* *Upgradient facilities listed in Table 2 are topographically upgradient relative to the subject property but may not be upgradient along the inferred hydraulic groundwater gradient.*

3.1.1 Subject Property

The Environmental Data Resources, Inc. (EDR) database report identified the subject property on the CSCSL and Spills regulatory databases (among others) in connection with documented soil contamination and suspected groundwater contamination at the property. Records with Ecology indicate roughly 50 55-gallon drums (and other smaller drums and containers) were identified within the former barn and storage structures at the subject property in 2010. Approximately 27 of the drums/containers were observed to be full or partially full of waste oil/grease, mineral spirits, and other hazardous substances. Soil staining and obvious releases of hazardous substances were reportedly observed surrounding some of the 55-gallon drums. Soil samples (taken by Ecology in 2011) surrounding the 55-gallon drums identified lube oil and gasoline range organics well above the Model Toxics Control Act (MTCA) Method A soil cleanup levels for unrestricted land-use (CUL). A variety of pesticides and herbicides were reportedly identified at levels below cleanup levels with the exception of lindane, which was identified at a concentration equaling the CUL. See Appendix J to review the Ecology records. Based on the records indicating the subject property as a source of soil contamination, and the lack of records indicating further delineation or remediation of contaminated soil, the CSCSL listing represents a Recognized Environmental Condition (REC) to the subject property. See section 8.1 for recommendations.

3.1.2 Off-Site Facilities

The EDR database report identified several nearby properties on the Allsites databases in connection with Construction Stormwater General Permits (CSGPs) for construction activities and storm water management. CSGPs are a standard Ecology requirement for protection of Waters of the State. No soil or groundwater contamination is recorded for these permits. Given the nature of these listings, they do not represent an environmental concern.

3.1.3 Vapor Migration

The subject property was identified on the EDR Vapor Encroachment Screening report. The subject property listing is discussed in section 3.1.1.

Known petroleum impacts to soil, associated with improper petroleum product storage at the subject property, represents a potential vapor hazard to the subject property. See section 8.1 for recommendations. See Appendix K to review the EDR Vapor Encroachment Screen report.

3.2 ADDITIONAL AGENCY ENVIRONMENTAL RECORDS

Local regulatory agencies were contacted and interviewed for reasonably ascertainable and practicably reviewable documentation regarding recognized environmental conditions present at the subject property and surrounding properties. Table 3 summarizes the agencies contacted for documentation:

Table 3
Agency Records Search

	AGENCY	DATE	CONTACT NAME	PHONE	TYPE OF INFORMATION
City	City of Puyallup	December 29, 2022	Service Desk	(253) 841-4321	Permit and Parcel Map Information, Hazardous Materials Records, Critical Areas Records, and Historical Site Use Information.
County	Central Pierce Fire and Rescue	December 29, 2022	Service Desk	(253) 538-6400	UST and AST records, Hazardous Materials Records.
State	Department of Ecology	July 21, 2022	Service Desk	(425) 649-7024	Previous Phase I/Phase II ESA Reports, NOVs, and Spills.
State	Pollution Liability Insurance Agency	December 29, 2022	Schellie Schlesser	(360) 407-0527	UST and AST records.
County	Tacoma – Pierce County Health Department.	December 29, 2022	Service Desk	(253) 649-1500	Septic Systems, Wells, ASTs and USTs, Hazardous Materials Storage and Spill Records, Previous Phase I and Phase II ESA Reports, and Property Use Restrictions.
County	Pierce County Auditor's Office.	December 29, 2022	Service Desk	(253) 798-7427	Recorded Liens and Deeds.
County	Pierce County Assessor's Office.	December 29, 2022	Service Desk	(253) 798-6111	Building and Parcel Map Information, and Recorded Liens.

City of Puyallup (City): ESNW contacted the City regarding development records, permits, zoning information, UST records, hazardous materials records, groundwater well records, critical areas records, and historical site use information. Records with the city included several code enforcement complaints regarding derelict buildings, transients, and household debris accumulation. The code enforcement complaints have reportedly been resolved. No records pertaining to environmental concerns were identified with the city.

Central Pierce Fire and Rescue (CPFR): ESNW contacted CPFR for records pertaining to UST/AST records and hazardous materials records. According to officials with the CPFR, no environmental issues, nuisances, or problems associated with the subject property were identified.

Washington State Department of Ecology (Ecology): ESNW contacted Ecology for records pertaining to previous Phase I/Phase II ESA reports, NOVs, and spills. Records with Ecology included an ERTS report and a series of inspection reports regarding the discovery and identification of the 55-gallon drums at the subject property in 2010. See section 3.1.1 for further discussion.

Pollution Liability Insurance Agency (PLIA): ESNW contacted PLIA for records pertaining to ASTs and USTs. According to the officials at PLIA, there are no records pertaining to ASTs or USTs at the subject property.

Tacoma – Pierce County Health Department (TPCHD): ESNW contacted TPCHD for records pertaining to septic systems, wells, ASTs and USTs, hazardous materials storage and spill records, previous Phase I and Phase II ESA reports, and property use restrictions. Records with TPCHD included a similar document package made available to review by Ecology. The document package is associated with the discovery and identification of the 55-gallon drums at the subject property. See section 3.1.1 for further discussion.

Pierce County Auditor's Office: ESNW contacted the Pierce County Auditor's Office for records pertaining to recorded liens and deeds at the subject property. No environmental issues or deed restrictions associated with the site were identified in records reviewed at the Pierce County Auditor's Office.

Pierce County Assessor's Office (PCAO): ESNW contacted PCAO for records pertaining to Building and Parcel Map Information, or Recorded Liens at the subject property. Records reviewed at PCAO revealed that the subject property consists of two tax parcels (Pierce County Parcel Nos. 042035-3027 and -7011), comprising a total of approximately 9.18 acres of land area. No environmental issues, deed restrictions, or nuisances/problems associated with the site were identified in records reviewed at PCAO (see Appendix C).

4.0 HISTORICAL USE OF THE PROPERTY AND ADJOINING PROPERTIES

The history of the subject property was researched to identify obvious uses of the site from the present to first developed use (or back to 1940, whichever is earlier) from readily available resources. ESNW retrieved the historical information of the subject property from available resources referenced herein. The earliest historical record available covering the site area was a topographic map dated 1897. Other historical records provided site coverage following 1897. Table 4 (below) summarizes the availability of information reviewed during this assessment.

Table 4
Historical Sources

	Year(s) Available	Source
AERIAL PHOTOGRAPHS	1941, 1943, 1957, 1968, 1972, 1980, 1990, 2006, 2011, 2015, and 2019.	The EDR Aerial Photo Decade Package.
SANBORN FIRE INSURANCE MAPS	No coverage available for site.	The EDR Certified Sanborn Map Report.
CITY DIRECTORIES	1959–2017.	The EDR City Directory Image Report.
TOPOGRAPHIC MAPS	1897–2020.	The EDR Historical Topographic Map Report.
CHAIN-OF-TITLE REPORT		Not Provided.

4.1 AERIAL PHOTOGRAPHY

Historical aerial photographs were reviewed to evaluate past land use at the subject property and in the surrounding area. Aerial photographs providing coverage for 1941, 1943, 1957, 1968, 1972, 1980, 1990, 2006, 2011, 2015, and 2019 were made available for review by the EDR Aerial Photo Decade Package (see Appendix E). The aerial photographs reviewed for this assessment are listed below in Table 5.

Table 5
Aerial Photographs Reviewed

Year	Scale	Type	Quality
1941	1"=500'	Black and White	Poor
1943	1”=500’	Black and White	Poor
1957	1”=500’	Black and White	Fair
1968	1”=500’	Black and White	Good
1972	1”=500’	Infrared	Fair
1980	1”=500’	Black and White	Good
1990	1"=500'	Black and White	Good
2006	1”=500’	Black and White	Good
2011	1"=500'	Color	Good
2015	1"=500'	Color	Good
2019	1"=500'	Color	Good

A summary of the aerial photograph review is presented below:

4.1.1 Subject Property

- Aerial photographs reviewed from 1941 to 1943 depict the subject property as developed with several small structures near the southeastern corner of the property. However, the quality of the aerial photographs reviewed from 1941 and 1943 are poor and details are hard to discern. Remaining portions of the subject property are depicted as grass fields and lightly forested areas. A driveway is depicted entering the subject property from the northwest corner.

- An aerial photograph reviewed from 1957 depicts the subject property as developed with roughly 6 small structures along the southeastern corner of the site. The structures are depicted as residences and storage sheds associated with gravel mine operations located immediately south of the subject property. Remaining portions of the subject property are depicted as grass fields and lightly forested areas.

- Aerial photographs reviewed from 1968 to 2006 depict the subject property as developed with two single-family residences and three large barn or garage structures along the southeastern portion of the property. 19th Avenue Southeast is depicted as providing access to the northwestern corner of the property. An access road leading from the gravel mining operation to the southern border of the subject property is depicted in the aerial photographs reviewed from 1968 to 1990. A pond is depicted within the center of the subject property in the aerial photograph reviewed from 1990.

- Aerial photographs reviewed from 2011 to 2015 depict the subject property as developed with two single-family residences and two large barn or garage structures along the southeastern portion of the property. Remaining portions of the site are depicted as lightly to moderately overgrown with grass, brambles, and scattered trees.

- An aerial photograph reviewed from 2019 depicts the subject property as occupied by remnant building foundations along the southeastern portion of the site. Remaining portions of the subject property are depicted as lightly to moderately overgrown with grass, brambles, and trees. The pond is still depicted in the center of the property.

4.1.2 Surrounding Areas

- Aerial photographs reviewed from 1941 to 1943 depict the immediately surrounding properties as consisting of livestock grazing land, moderate to large agricultural fields, and moderately forested areas.

- Aerial photographs reviewed from 1957 to 1972 depict the immediately surrounding property to the south as a gravel mine. Access to the gravel mine is depicted through the southern border of the subject property and along 23rd Avenue Southeast to the south. The properties adjacent east of the subject property are depicted as moderately to heavily forested areas. The properties adjacent to the west of the subject property is depicted with a residence and livestock grazing land. The properties immediately north are depicted as livestock grazing land and recently cleared areas for a new residential development.

- Aerial photographs reviewed from 1980 to 1990 depict the immediately surrounding property to the south and southeast as a gravel mine. The properties immediately north of the subject property are depicted as an undeveloped grass field and a single-family residential development. The properties immediately east of the subject property are depicted as cleared of vegetation in the aerial photograph reviewed from 1990. The properties immediately west of the subject property are depicted as sporadic single-family residences, lightly forested areas, and recently cleared areas.

- Aerial photographs reviewed from 1990 to 2017 depict increasing single-family residential density adjacent to and north/southwest of the subject property. The adjacent properties south of the subject property are depicted as remaining grass livestock or agricultural fields.

- Aerial photographs reviewed from 2011 to 2019 depict the surrounding properties to the east, south, and west as single-family residential communities. The properties immediately north of the subject property are depicted as single-family residences as an undeveloped and lightly to moderately overgrown field.

Note: Aerial photographs only provide information on indications of land use, and no conclusions can be drawn from photographs alone. ESNW's review of available aerial photographs did not reveal obvious signs of dumping, spilling, or disposal of hazardous materials or wastes on site.

4.2 SANBORN FIRE INSURANCE MAPS

Sanborn Fire Insurance provides historical land use information for some metropolitan and small established towns. ESNW retained EDR-Sanborn, Inc. to search the nation's largest and most complete collection of Sanborn Fire Insurance maps. However, Sanborn Fire Insurance maps did not include coverage of the subject property or surrounding properties (see Appendix D for the report of the site area as an "unmapped property").

4.3 CITY DIRECTORIES

ESNW retained EDR to review current and historical city directory listings. City directories from 1959 to 2017 were made available by the EDR City Directory Image Report (see Appendix F). Additional city directory information was made available from a previous Phase I report conducted by Environmental Associates, Inc. in 2005.

Previous owners of the subject property included Mark Graves and E.G. Griswold (1915), Mark Graves and James Williams (1924), V.B, L.T. and A.B Greeley (1941), V. Greeley (1951, 1965), Grace Ardell Greeley (2005), and Sharon Ottinger (2005). Additional site occupants listed included Frontier Museum (1979, 1985, 1990).

Listed historical occupants of the property immediately south of the subject property include Hilltop Concrete Co. (1959), Reid Concrete Inc. (1965), and South Hill Sand and Gravel (1990).

The remaining properties surrounding the subject property are all listed as single-family residential properties. No adjacent properties surrounding the subject property were listed as automobile maintenance, gasoline service stations, or other similar businesses.

4.4 HISTORICAL TOPOGRAPHIC MAP REVIEW

Historical topographic maps of the subject property area were made available by the EDR Historical Topographic Map Report (see Appendix G). The maps were published from 1897 through 2020. Topographic maps covering the subject property area prior to 1897 were not available for review.

According to the topographic maps, the topography of the subject property and surrounding area appeared to remain relatively unchanged over time. Topographic maps reviewed from 1941 to 1997 show one to six structures along the southeastern portion of the subject property. Topographic maps reviewed from 1993 to 1997 show two ponds along the central and northeastern portions of the subject property.

Topographic maps reviewed from 1941 to 1944 show the properties immediately surrounding the subject property as sporadic residences and undeveloped forested areas. Topographic maps reviewed from 1949 to 1997 show the property adjacent to and south of the subject property as a gravel pit. Topographic maps reviewed from 1973 to 1997 show the properties north of the subject property as residential communities. Topographic maps reviewed from 1973 to 1997 show the properties to the east and west of the subject property as sporadic residences or undeveloped forested land.

4.5 PREVIOUS ENVIRONMENTAL SITE ASSESSMENT REPORTS

- *Phase I Environmental Audit*, Proposed Sunset Pointe Residential Plat, East of Intersection of 21st Street Southeast and 19th Avenue Southeast, Puyallup, Washington. Completed by Environmental Associates, Inc., dated January 14, 2005.

A previous Phase I ESA report was completed for the subject property and additional adjacent properties by Environmental Associates, Inc. on January 14, 2005. The 2005 Phase I report identified a heating fuel AST adjacent to the northern single-family residence on the property and an additional AST reportedly used for fueling gravel mining vehicles. No staining or evidence of leaking was noted. The 2005 Phase I report identified a soil retention wall consisting of battery casings (filled with soil) along the northern side of the pond on the subject property. One soil sample was reportedly taken from the inside the battery casings and analyzed for Lead Toxicity Characteristic Leaching Potential (TCLP) and pH analyses in 2004. Lab results indicated a pH of 7.5 and leachable lead concentrations of 0.38 parts per million (ppm). Lead was estimated to be in a concentration of 7.6 ppm in soil within and surrounding the battery casing retention wall. The 2005 Phase I did not recommend further assessment of soil or groundwater impacts associated with the battery casing retention wall. The 2005 Phase I report also identified asbestos containing materials (ACMs) within the structures (existing at the time of the 2005 report).

5.0 SUBJECT PROPERTY RECONNAISSANCE

ESNW conducted a reconnaissance of the subject property and surrounding properties on January 4, 2023. Information obtained during the subject property reconnaissance was used to complete this assessment.

5.1 GENERAL SUBJECT PROPERTY SETTING

The subject property is located along the northern terminus of 23rd Street Place Southeast, in Puyallup, Washington. The approximate location of the property is illustrated on Plate 1 (Vicinity Map).

5.2 SUBJECT PROPERTY OBSERVATIONS

The subject property is currently vacant and moderately overgrown with grass, brambles, and trees. Remnant building foundations currently occupy the southern portion of the subject property. A pond currently occupies the central portion of the subject property.

No visual indication of hazardous material spills, soil staining, stressed vegetation, or chemical/petroleum odors were noted by ESNW during the subject property reconnaissance. Additional observations made at the site during the subject property reconnaissance are presented in Table 6.

Table 6
Subject Property Observations

General Observations	Remarks	Observed	Not Observed
Current use	The subject property is currently vacant and moderately overgrown with grass, brambles, and trees. Remnant building foundations currently occupy the southern portion of the subject property. A pond currently occupies the central portion of the subject property.	X	
Current use likely to indicate RECs	The subject property is currently listed on Ecology's contaminated sites list. See *Past use likely to indicate RECs* below.	X	
Past use	The subject property was historically developed with one to two single-family residences from as early as 1924. Additional sheds, barns, and storage structures were built on the subject property up to roughly the 1950's. Review of historical aerial photographs and historical topographic maps depict gravel mine operations immediately south of the subject property from 1949 through 1997. Records indicate the structures on the subject property were associated with the gravel mining operations. The exact nature of the usage was not made available.		X

General Observations	Remarks	Observed	Not Observed
Past use likely to indicate RECs	Records indicate several 55-gallon drums and other containers containing petroleum products and other miscellaneous hazardous chemicals were improperly stored within previously existing structures on the subject property. Samples taken by Ecology in 2011 identified gasoline range and lube oil impacted soil surrounding the 55-gallon drums. Several pesticides and herbicides were also detected at low levels within site soils. No records were made available regarding further delineation or remediation of the contaminated soil. The records indicating lube oil and gasoline range organics contamination in soil at the subject property represents a REC. See section 8.1 for recommendations.	X	
Structures	Several remnant building foundations were observed along the southern portion of the subject property.	X	
Roads	The northern terminus of 23rd Street Place Southeast runs up to the southern border of the subject property.	X	
Topography of site and surrounding area	The topography for the site and surrounding area generally descends from southwest to northeast.	X	
Aboveground storage tanks (ASTs)	Records indicate two aboveground storage tanks (ASTs) previously occupied the subject property. During a previous Phase I ESA (conducted by Earth Associates, Inc. in 2005), a heating fuel AST was observed along the northern residence of the property. The heating fuel AST was reportedly not in service and did not show evidence of leaking. However, the residence identified with the heating fuel AST is not currently a portion of the subject project and subject property. The second AST was reportedly used to fuel vehicles (likely associated with the gravel mine operation) and did not show signs of leaking. No signs of the former ASTs were observed during the site reconnaissance.		X
Asbestos-containing materials (ACMs) and lead-based paint (LBP)	Records indicate ACM abatement activities occurred at the subject property in 2018. See Appendix L to review associated documents.	X	
Wetlands	A portion of land surrounding the pond on the subject property is likely a wetland.	X	
Below grade vaults	None observed.		X
Burned or buried debris	None observed.		X
Chemical storage	None observed.		X

General Observations	Remarks	Observed	Not Observed
Chemical mixing areas	None observed.		X
Discolored soil or water	None observed.		X
Ditches, streams	None observed.		X
Drains and piping *(e.g. floor drains, floor trenches, bay drains, sand traps, grease traps)*	None observed.		X
Drums	None observed. See *Past use likely to indicate RECs* above.		X
Electrical or hydraulic equipment (polychlorinated biphenyls [PCBs])	None observed.		X
Fill dirt from an unknown source.	None observed.		X
Hazardous chemical and petroleum products in connection with *known* use.	None observed.		X
Hazardous chemical and petroleum products in connection with *unknown* use.	None observed. See *Past use likely to indicate RECs* above.		X
Non-hazardous containers with contents	None observed.		X
Hazardous waste storage	None observed.		X
Heating and cooling system and fuel source	None observed.		X
Industrial waste treatment equipment	None observed.		X
Loading and unloading areas	None observed.		X
Odors	None observed.		X
Pesticides, herbicides, or fertilizers	None observed. See *Past use likely to indicate RECs* above.		X
Pits, ponds, or lagoons	A pond is currently located near the center of the subject property.	X	
Pools of liquid	None observed.		X
Process waste water	None observed.		X
Sanitary sewer system	None observed.		X
Septic system (*e.g. tank and leach fields*)	None observed.		X
Soil piles	None observed.		X
Solid waste/evidence of Unauthorized Dumping	Records with the City indicate several occurrences of illegal dumping of household debris at the subject property. These cases have since been resolved. Minor household debris was observed scattered across the subject property.	X	
Stained pavement, soil or concrete	None observed.		X
Storm drains/catch basins	None observed.		X
Stressed vegetation	None observed.		X
Sumps and clarifiers	None observed.		X

General Observations	Remarks	Observed	Not Observed
Surface water	None observed.		X
Underground storage tank(s) (USTs), including heating oil tanks	None observed or recorded.		X
Unidentified substance containers	None observed.		X
Utilities	Municipal Electricity and water (among others) are likely stubbed to the subject property.	X	
Waste water discharge	None observed.		X
Water supplies (*potable and process*)	None observed.		X
Environmental/Geotechnical Soil Borings	See section 4.5.		X
Wells (*irrigation, monitoring, or domestic*)	None observed or recorded. However, based on the age of recorded residential development on the subject property (as early as 1924), an existing or abandoned domestic groundwater well may be present on the property.	X	
Wells (*dry*)	None observed.		X
Wells (o*il and gas*)	None observed or recorded.		X

5.3 DESCRIPTION OF PROPERTY STRUCTURES/IMPROVEMENTS

The subject property is currently vacant and moderately overgrown with grass, brambles, and trees. Remnant building foundations currently occupy the southern portion of the subject property. A pond currently occupies the central portion of the subject property. A cell tower currently occupies the northeastern corner of the subject property.

5.4 CURRENT USES OF SURROUNDING PROPERTIES

ESNW conducted a drive-by survey of the properties surrounding the subject property on the same day as the subject property reconnaissance (January 4, 2023). A summary of the surrounding properties is presented in Table 7 (see below).

Table 7
Surrounding Properties

Direction	Land Use Description
NORTH	Undeveloped grass pasture and single-family residences.
SOUTH	Single-family residences.
EAST	Single-family residences.
WEST	Single-family residences.

5.5 GEOLOGY AND GROUNDWATER

According to EDR's GeoCheck Soils Report (see Appendix A) and the Web Soil Survey (WSS) online resource maintained by the Natural Resources Conservation Service (NRCS), soils on the subject property and areas surrounding the subject property are classified as Everett very gravelly sandy loam and Kitsap silt loam. The Everett series is within Hydrologic Soil Group A and is described as "somewhat excessively drained". The Kitsap series is within Hydrologic Soil Group C/D and is described as "moderately well drained".

Based upon the topography of the subject property and surrounding area, groundwater flow direction is generally inferred to the north-northeast.

A review of well logs available from the Washington State Department of Ecology (Ecology) and the United States Geological Survey (USGS) indicated that there are no groundwater monitoring (or other) wells identified at the subject property. However, based on the age of recorded residential development on the subject property (as early as 1924), an existing or abandoned domestic groundwater well may be present on the property.

6.0 INTERVIEWS

As part of the site assessment process, ESNW interviews current subject property owner(s) or their representatives and representatives of local governmental agencies (see Section 3.2 for further discussion of agency records).

6.1 SUBJECT PROPERTY OWNER REPRESENTATIVE

Property information obtained from interviewing Mr. Peter Chen (property owner) is described below:

- According to Mr. Chen, he has been associated with the property for 11 years.
- According to Mr. Chen, previously existing structures consisted of a barn, a burned house, and an additional burned structure.
- According to Mr. Chen, ACM abatement activities occurred at the subject property in 2018.

6.2 LOCAL GOVERNMENT OFFICIALS

According to the City, CPFR, and PLIA, there are no available records concerning the possible presence of permitted underground fuel storage tanks or hazardous materials storage/use at the subject property. Representatives at the Pierce County Auditor's office and PCAO stated that there are no environmental contamination issues, liens, or deed restrictions associated with the subject property. Records with Ecology and TPCHD included several reports that documented soil contamination at the subject property (see section 3.1.1 for further discussion).

7.0 EVALUATIONS

7.1 FINDINGS AND CONCLUSIONS

We have performed this Phase I ESA in general conformance with the scope and limitations of ASTM Practice E1527-13 and E1527-21 for the subject property, located at 2103 23rd Avenue Southeast, in Puyallup, Washington (see Vicinity Map – Plate 1). Any exceptions to, or deletions from, this practice are described in Section 1.5 and 1.6 of this report. This assessment has revealed evidence of one REC in connection with known soil and suspected groundwater contamination at the subject property associated with improper storage of hazardous materials. One PREC was identified in connection with potential soil and groundwater contamination surrounding the former battery casing retention wall. No evidence of HRECs or CRECS were identified in connection with the subject property. See below for further discussion.

The subject property consists of two tax parcel (Pierce County Parcel Nos. 042035-3027 and -7011) comprising a combined total of approximately 9.18 acres of land area (see Site Plan – Plate 2). The subject property is currently vacant and moderately overgrown with grass, brambles, and trees. Remnant building foundations currently occupy the southern portion of the subject property. A pond currently occupies the central portion of the subject property. A cell tower currently occupies the northeastern corner of the subject property.

The subject property was historically developed with one to two single-family residences from as early as 1924. Additional sheds, barns, and storage structures were built on the subject property up to roughly the 1950's. Review of historical aerial photographs and historical topographic maps depict gravel mine operations immediately south of the subject property from 1949 through 1997. Records indicate the structures on the subject property were associated with the gravel mining operations. The exact nature of the usage was not made available.

Records indicate two aboveground storage tanks (ASTs) previously occupied the subject property. During a previous Phase I ESA (conducted by Earth Associates, Inc. in 2005), a heating fuel AST was observed along the northern residence of the property. The heating fuel AST was reportedly not in service and did not show evidence of leaking. However, the residence identified with the heating fuel AST is not currently a portion of the subject project and subject property. The second AST was reportedly used to fuel vehicles (likely associated with the gravel mine operation) and did not show signs of leaking. No signs of the former ASTs (including soil staining and stressed vegetation) were observed during the 2023 site reconnaissance. No underground storage tanks (USTs) or aboveground storage tanks (ASTs) were listed on the regulatory databases for the subject property. Additionally, no fill ports or vent pipes associated with USTs were observed at the property during the site reconnaissance.

Records indicate a soil retention wall located along the northern edge of the pond on the subject property was previously constructed with battery casings. The battery casings were reportedly obtained from a local battery recycler in the 1960's. Records indicate the battery casings were emptied of their original contents, cleaned, and filled with soil. One soil sample was reportedly taken from the inside the battery casings and analyzed for Lead Toxicity Characteristic Leaching Potential (TCLP) and pH analyses in 2004. Lab results indicated a pH of 7.5 and leachable lead concentrations of 0.38 parts per million (ppm). Lead was estimated to be in a concentration of 7.6 ppm in soil within and surrounding the battery casing retention wall, which is well below regulatory clean up levels. The battery casings have since been removed from the subject property and a soil berm was constructed in its place. Although one soil sample was taken from the formerly existing battery casing retention wall, the potential for lead contamination to remain in soil and groundwater surrounding the northern portion of the on-site pond represents a Potential Recognized Environmental Condition (PREC) to the subject property.

The Environmental Data Resources, Inc. (EDR) database report identified the subject property on the CSCSL and Spills regulatory databases (among others) in connection with documented soil contamination and suspected groundwater contamination at the property. Records with Ecology indicate roughly 50 55-gallon drums (and other smaller drums and containers) were identified within the former barn and storage structures at the subject property in 2010. Approximately 27 of the drums/containers were observed to be full or partially full of waste oil/grease, mineral spirits, and other hazardous substances. Soil staining and obvious releases of hazardous substances were reportedly observed surrounding some of the 55-gallon drums. Soil samples (taken by Ecology in 2011) surrounding the 55-gallon drums identified lube oil and gasoline range organics well above the Model Toxics Control Act (MTCA) Method A soil cleanup levels for unrestricted land-use (CUL). A variety of pesticides and herbicides were reportedly identified at levels below cleanup levels with the exception of lindane, which was identified at a concentration equaling the CUL. See Appendix J to review the Ecology records. Based on the records indicating the subject property as a source of soil contamination, and the lack of records indicating further delineation or remediation of contaminated soil, the CSCSL listing represents a Recognized Environmental Condition (REC) to the subject property.

The EDR database report identified several nearby properties on the Allsites databases in connection with Construction Stormwater General Permits (CSGPs) for construction activities and storm water management. CSGPs are a standard Ecology requirement for protection of Waters of the State. No soil or groundwater contamination is recorded for these permits. Given the nature of these listings, they do not represent an environmental concern.

The reconnaissance of the subject property and adjacent properties, a review of regulatory lists and files, a review of the subject property history, and interviews with knowledgeable persons revealed evidence of one Recognized Environmental Condition (REC) in connection with known soil and suspected groundwater contamination surrounding the locations of former 55-gallon drums at the subject property. One Potential REC (PREC) was identified at the subject property in connection with potential soil and groundwater contamination surrounding the former battery casing retention wall. No evidence of Historical Recognized Environmental Conditions (HRECs) or Controlled RECs (CRECs) were identified in connection with the subject property. No significant data gaps were identified during the course of this Phase I ESA investigation. See Section 8.1 of this report for overall recommendations regarding the subject property.

7.2 ADDITIONAL SERVICES

This Phase I ESA did not include additional services related to business environmental risk considerations, such as asbestos-containing materials (ACMs), lead-based paints (LBPs), radon, polychlorinated biphenyls (PCBs), lead in drinking water, wetland investigations/delineations, regulatory compliance, cutural and historic resources, industrial hygiene, health and safety ecological resources, threatened/endangered species, mold, indoor air quality, high voltage power lines, or any other considerations not mentioned here.

7.3 QUALIFICATIONS AND STATEMENTS OF ENVIRONMENTAL PROFESSIONALS

Mr. Kyler T. Kelly, L.G. of ESNW, a professional experienced with environmental site assessments, conducted this Phase I Environmental Site Assessment. Mr. Kelly has over six years of experience in the environmental industry, with portions of that time conducting and reviewing Phase I and Phase II Environmental Site Assessments.

Mr. Ted W. Sykes of ESNW, a professional experienced with environmental site assessments and a State of California Registered Environmental Assessor, reviewed this Phase I Environmental Site Assessment Report. Mr. Sykes has 20 years of experience in the environmental industry, with significant portions of that time conducting and reviewing Phase I and Phase II Environmental Site Assessments.

Mr. Kelly and Mr. Sykes of ESNW declare that, to the best of our professional knowledge and belief, we each meet the definition of “Environmental Professional” as defined in Section 312.10 of 40 CFR 312. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed all the appropriate inquiries in conformance with the standards and practices set forth in 40 CFR 312.

8.0 NON-SCOPE SERVICES

8.1 RECOMMENDATIONS

This assessment revealed evidence of one REC (as defined by ASTM E1527-13 and E1527-21) in connection with known soil and suspected groundwater contamination at the subject property surrounding the former location of improperly stored 55-gallon drums. One potential REC (PREC) was identified in connection with a formerly existing battery casing retention wall on the subject property. No evidence of HRECs or CRECs (as defined by ASTM E1527-13 and E1527-21) were identified in connection with the subject property.

Based on the results of this investigation, ESNW makes the following recommendations:

1. The Client should consider completing a Limited Phase II ESA at the subject property to investigate the extent of petroleum hydrocarbon contamination in shallow site soils and potentially groundwater surrounding the locations of the former 55-gallon drums and other hazardous materials containers. The Limited Phase II ESA should also delineate the extent of potential pesticide and herbicide contamination in shallow site soils and groundwater surrounding the locations of the former 55-gallon drums. The Limited Phase II ESA should include an evaluation of soil and groundwater surrounding the former battery casing retention wall on the subject property.

2. If undocumented USTs or groundwater wells are encountered on the property during site development and construction activities, they should be decommissioned in accordance with Federal, State, and local requirements.

3. If septic tanks are encountered on the property during development activities, they should be pumped out by a septic tank service contractor and removed from the site.

4. If buried hazardous materials or visually impacted soils are encountered during site development, the hazardous materials or soil should be sampled, analyzed, and removed from the property and disposed of properly.

9.0 REFERENCES

1. American Society for Testing and Materials, 2021, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, Designation E1527-21.

2. Environmental Data Resources Reports, Sunset Pointe, 2301 23rd Street SE, Puyallup, Washington 98372. Report ID: 7214049.2s, dated December 29, 2022.

3. Property Parcel Records, https://matterhornwab.co.pierce.wa.us/publicgis/.

4. Puyallup City Hall, 333 South Meridian, Puyallup, Washington 98371

5. Central Pierce Fire and Rescue, 17520 22nd Ave E, Tacoma, Washington 98445.

6. Pollution Liability Insurance Agency, PO Box 40930, Olympia, Washington 98504.

7. Pierce County Auditor's Office, 2401 South 35th Street, Suite 200, Tacoma, Washington 98409.

8. Pierce County Assessor's Office, 2401 South 35th Street, Suite 142, Tacoma, Washington 98409.

9. Tacoma – Pierce County Health Department, 3629 South D Street, Tacoma, Washington 98418.

10. Web Soil Survey (WSS) online resource maintained by the Natural Resources Conservation Service (NRCS) under the United States Department of Agriculture (USDA).

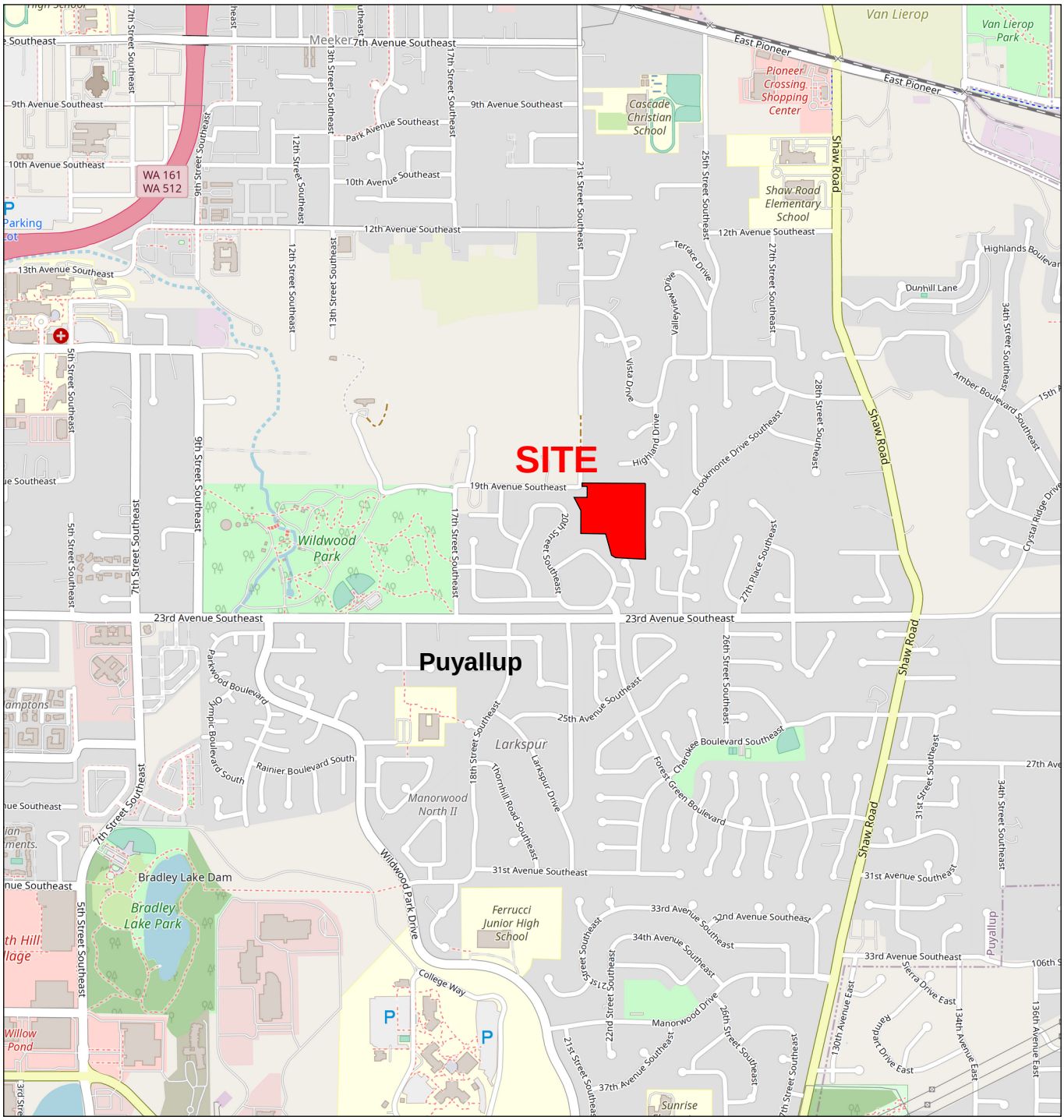
11. Department of Ecology, Northwest Regional Office, 3190 – 160th Avenue Southeast, Bellevue, Washington 98008.

12. Well Licensing Office, Washington Department of Ecology, Olympia, Washington.

Additional sources are referenced separately in the report text.

Plates

ES-5559.06



Reference:
Pierce County, Washington
OpenStreetMap.org

NORTH

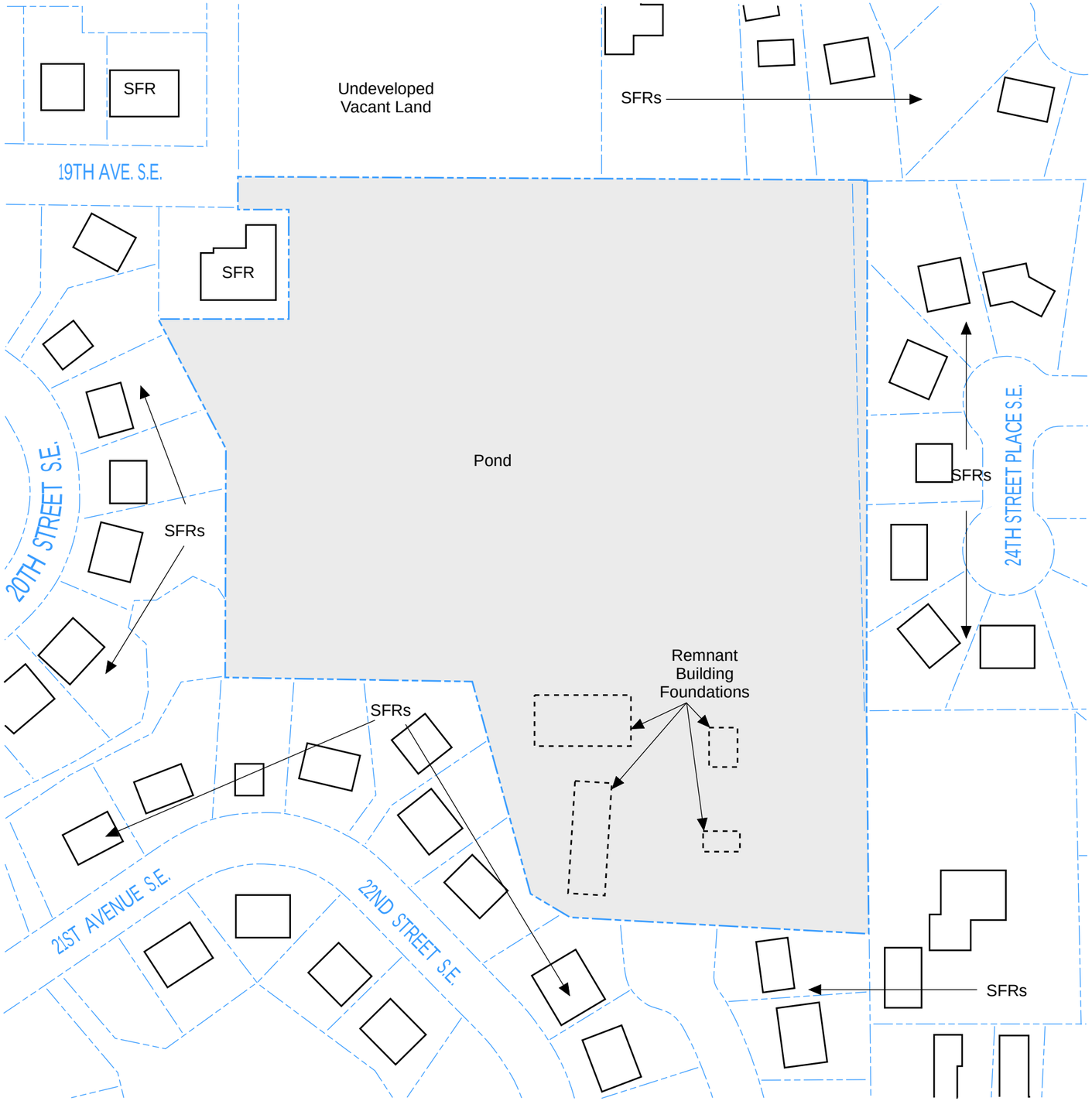
NOTE: This plate may contain areas of color. ESNW cannot be responsible for any subsequent misinterpretation of the information resulting from black & white reproductions of this plate.

Earth Solutions NW LLC

Geotechnical Engineering, Construction Observation/Testing and Environmental Services

Vicinity Map
Sunset Pointe
Puyallup, Washington

Drawn MRS	Date 01/13/2023	Proj. No. 5559.06
Checked KTK	Date Jan. 2023	Plate 1



LEGEND

- Subject Site
- Existing Building

NORTH

NOT - TO - SCALE

NOTE: The graphics shown on this plate are not intended for design purposes or precise scale measurements, but only to illustrate the approximate test locations relative to the approximate locations of existing and / or proposed site features. The information illustrated is largely based on data provided by the client at the time of our study. ESNW cannot be responsible for subsequent design changes or interpretation of the data by others.

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Site Plan
Sunset Pointe
Puyallup, Washington

Earth Solutions NW LLC
Geotechnical Engineering, Construction Observation/Testing and Environmental Services

Drawn	MRS
Checked	KTK
Date	01/13/2023
Proj. No.	5559.06
Plate	2

Appendix A

EDR Radius Map Report with GeoCheck

ES-5559.06

Sunset Pointe
2301 23rd St SE
Puyallup, WA 98372

Inquiry Number: 7214049.2s
December 29, 2022

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.
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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 (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

2301 23RD ST SE
PUYALLUP, WA 98372

COORDINATES

Latitude (North):	47.1725390 - 47ˆ 10' 21.14''
Longitude (West):	122.2654310 - 122ˆ 15' 55.55''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	555667.6
UTM Y (Meters):	5224381.0
Elevation:	371 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	14742704 PUYALLUP, WA
Version Date:	2020
East Map:	14742722 SUMNER, WA
Version Date:	2020

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20150807
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
2301 23RD ST SE
PUYALLUP, WA 98372

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	PIONEER MUSEUM	2301 23RD AVE SE	CSCSL, ALLSITES		TP
A2	PIONEER MUSEUM FORME	2301 23RD AVE SE	RGA HWS		TP
A3	PIONEER MUSEUM	2301 23RD AVE SE	FINDS		TP
A4		1900 BLK 22ND PLACE	SPILLS	Higher	1 ft.
5	CYPRESS MANOR	CORNER 19TH AVE SE &	ALLSITES	Lower	1496, 0.283, NE
6	SULLYS GLEN	2820 23RD AVE SE	ALLSITES, NPDES	Higher	2156, 0.408, ESE
7	PUYALLUP HIGHLANDS P	1500 SHAW RD	ALLSITES	Lower	2487, 0.471, NE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
PIONEER MUSEUM 2301 23RD AVE SE PUYALLUP, WA 98372	CSCSL Site Status: Awaiting Cleanup Clean Up Siteid: 11739 Facility ID: 9490 Soil: Confirmed Above Cleanup Levels Contaminant Name: Non-Halogenated Pesticides Contaminant Name: Other Halogenated Organics Contaminant Name: Petroleum-Gasoline Contaminant Name: Petroleum-Other Contaminant Name: Phenolic Compounds ALLSITES Facility Id: 9490	N/A
PIONEER MUSEUM FORME 2301 23RD AVE SE PUYALLUP, WA	RGA HWS Facility ID: 9490	N/A
PIONEER MUSEUM 2301 23RD AVE SE PUYALLUP, WA 98372	FINDS Registry ID:: 110045015274	N/A

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
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 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

INDIAN VCP ---- Voluntary Cleanup Priority Listing
VCP ---- Voluntary Cleanup Program Sites
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
SWTIRE ---- Solid Waste Tire Facilities
INDIAN ODI ---- Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9 ---- Torres Martinez Reservation Illegal Dump Site Locations
ODI ---- Open Dump Inventory
IHS OPEN DUMPS ---- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---- Delisted National Clandestine Laboratory Register
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

Records of Emergency Release Reports

HMIRS ---- Hazardous Materials Information Reporting System
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
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
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 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 NPDES	Clean Water Act Discharge Monitoring Information
PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing
PFAS ECHO FIRE TRAINING	Facilities in Industries that May Be Handling PFAS Listing
PFAS PART 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing
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
MINES MRDS	Mineral Resources Data System

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

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS 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. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

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

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

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

A review of the ALLSITES list, as provided by EDR, and dated 07/25/2022 has revealed that there are 3 ALLSITES sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SULLYS GLEN Facility Id: 7041	***2820 23RD AVE SE***	***ESE 1/4 - 1/2 (0.408 mi.)***	***6***	***13***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CYPRESS MANOR Facility Id: 14849	CORNER 19TH AVE SE &	NE 1/4 - 1/2 (0.283 mi.)	5	12
PUYALLUP HIGHLANDS P Facility Id: 15776 Facility Id: 11283 Facility Id: 9017 Facility Id: 6587244 Facility Id: 6276	1500 SHAW RD	NE 1/4 - 1/2 (0.471 mi.)	7	13

**Additional key fields are available in the Map Findings section*

EXECUTIVE SUMMARY

Records of Emergency Release Reports

SPILLS: 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.

A review of the SPILLS list, as provided by EDR, has revealed that there is 1 SPILLS site within approximately 0.001 miles of the target property.

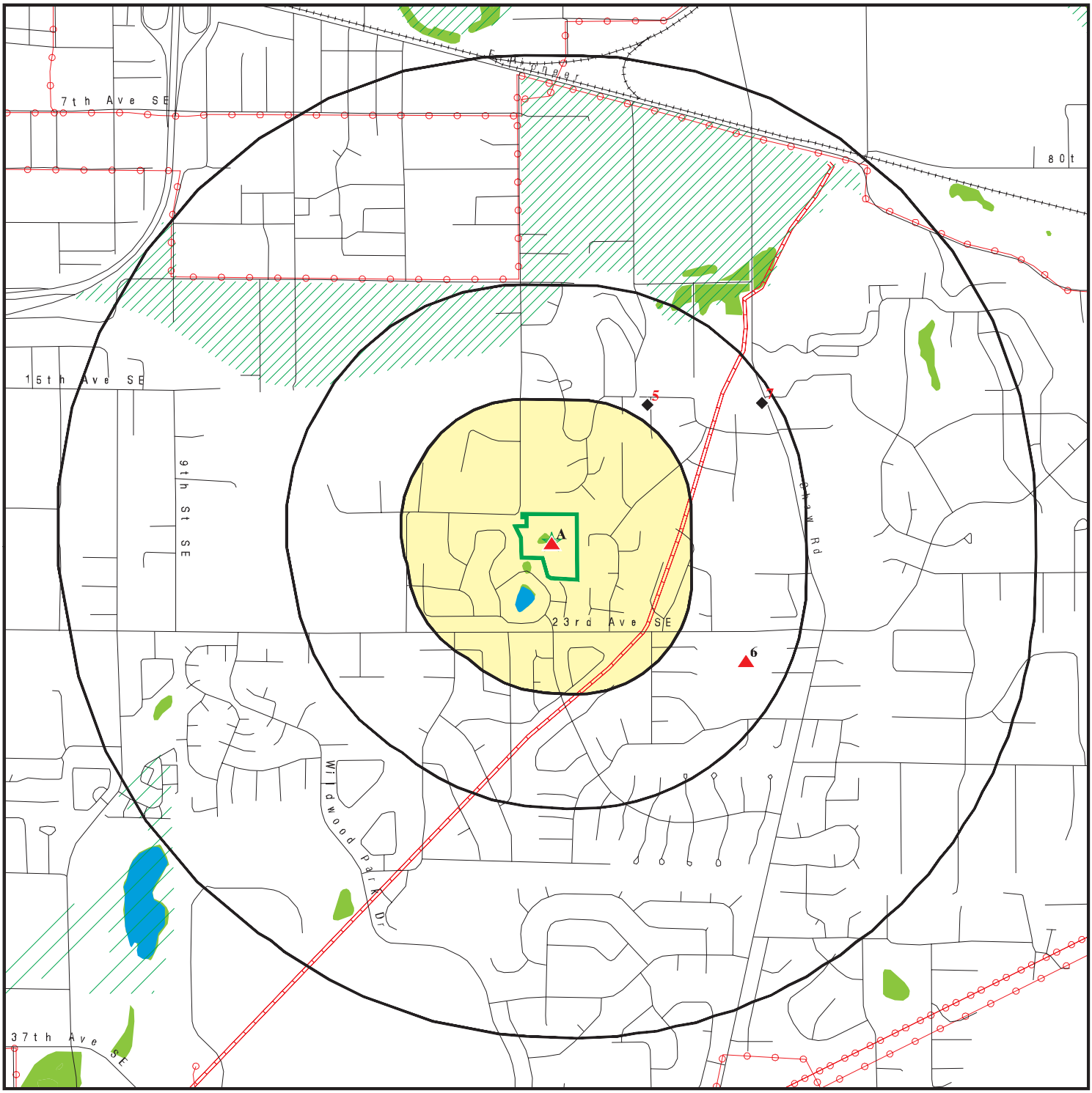
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	1900 BLK 22ND PLACE	0 - 1/8 (0.000 mi.)	A4	11
Database: SPILLS ERTS, Date of Government Version: 12/05/2022				
Database: SPILLS, Date of Government Version: 08/24/2022				
Facility ID: 82675				

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 2 records.

Site Name	Database(s)
OCCIDENTAL CHEMICAL-SITE II	SWF/LF
O'CONNER DEMOLITION FILL	SWF/LF

OVERVIEW MAP - 7214049.2S



- 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
- Power transmission lines
- Pipelines
- 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: Sunset Pointe	CLIENT: Earth Solutions Northwest
ADDRESS: 2301 23rd St SE Puyallup WA 98372	CONTACT: Kyler Kelly INQUIRY #: 7214049.2s
LAT/LONG: 47.172539 / 122.265431	DATE: December 29, 2022 3:30 pm

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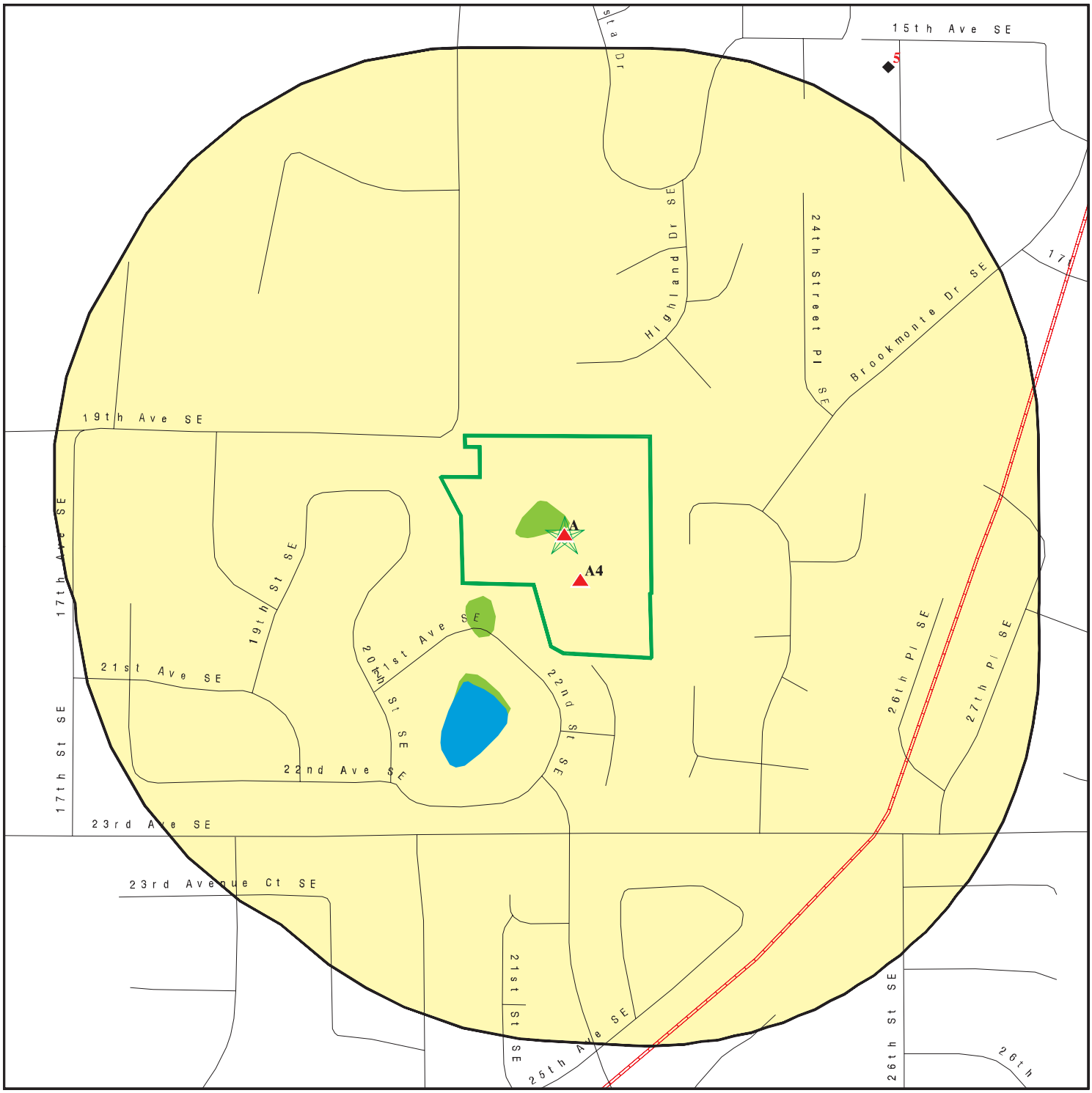
DETAIL MAP - 7214049.2S



- 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
- Pipelines
- 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:	Sunset Pointe	CLIENT:	Earth Solutions Northwest
ADDRESS:	2301 23rd St SE Puyallup WA 98372	CONTACT:	Kyler Kelly
		INQUIRY #:	7214049.2s
LAT/LONG:	47.172539 / 122.265431	DATE:	December 29, 2022 3:32 pm

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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								
Lists of Federal NPL (Superfund) sites								
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
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
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
Federal institutional controls / engineering controls registries								
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
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
HSL	1.000		0	0	0	0	NR	0
Lists of state- and tribal hazardous waste facilities								
CSCSL	1.000	1	0	0	0	0	NR	1
Lists of state and tribal landfills and solid waste disposal facilities								
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
Lists of state and tribal leaking storage tanks								
LUST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
Lists of state and tribal registered storage tanks								
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
State and tribal institutional control / engineering control registries								
INST CONTROL	0.500		0	0	0	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
ICR	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
PTAP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
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
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
ALLSITES	0.500	1	0	0	3	NR	NR	4
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
Local Land Records								
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency Release Reports								
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		1	NR	NR	NR	NR	1
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
FINDS	0.001	1	0	NR	NR	NR	NR	1
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 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 NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAINING	0.250		0	0	NR	NR	NR	0
PFAS PART 139 AIRPORT	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
AQUEOUS FOAM NRC	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
MINES MRDS	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	1	0	NR	NR	NR	NR	1
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		4	1	0	3	0	0	8

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **PIONEER MUSEUM** **CSCSL** **S111414226**
Target **2301 23RD AVE SE** **ALLSITES** **N/A**
Property **PUYALLUP, WA 98372**

Site 1 of 4 in cluster A

Actual:
371 ft.

CSCSL:

Name:	PIONEER MUSEUM
Address:	2301 23RD AVE SE
City,State,Zip:	PUYALLUP, WA 98372
Facility ID:	9490
Region:	Southwest
Lat/Long:	47.172527 / -122.265384
Clean Up Siteid:	11739
Site Status:	Awaiting Cleanup
Contaminant Name:	Non-Halogenated Pesticides
Alternate Site Names:	Not reported
Site Rank:	Not reported
Has Institutional Control:	Not reported
Past VCP:	Not reported
Current VCP:	Not reported
URL:	https://apps.ecology.wa.gov/cleanupsearch/site/11739
Ground Water:	Not reported
Surface Water:	Not reported
Soil:	Confirmed Above Cleanup Levels
Sediment:	Not reported
Air:	Not reported
Bedrock:	Not reported
Responsible Unit:	Southwest

Name:	PIONEER MUSEUM
Address:	2301 23RD AVE SE
City,State,Zip:	PUYALLUP, WA 98372
Facility ID:	9490
Region:	Southwest
Lat/Long:	47.172527 / -122.265384
Clean Up Siteid:	11739
Site Status:	Awaiting Cleanup
Contaminant Name:	Other Halogenated Organics
Alternate Site Names:	Not reported
Site Rank:	Not reported
Has Institutional Control:	Not reported
Past VCP:	Not reported
Current VCP:	Not reported
URL:	https://apps.ecology.wa.gov/cleanupsearch/site/11739
Ground Water:	Not reported
Surface Water:	Not reported
Soil:	Confirmed Above Cleanup Levels
Sediment:	Not reported
Air:	Not reported
Bedrock:	Not reported
Responsible Unit:	Southwest

Name:	PIONEER MUSEUM
Address:	2301 23RD AVE SE
City,State,Zip:	PUYALLUP, WA 98372
Facility ID:	9490
Region:	Southwest
Lat/Long:	47.172527 / -122.265384

PIONEER MUSEUM (Continued) **S111414226**

Clean Up Siteid: 11739
Site Status: Awaiting Cleanup
Contaminant Name: Petroleum-Gasoline
Alternate Site Names: Not reported
Site Rank: Not reported
Has Institutional Control: Not reported
Past VCP: Not reported
Current VCP: Not reported
URL: https://apps.ecology.wa.gov/cleanupsearch/site/11739
Ground Water: Not reported
Surface Water: Not reported
Soil: Confirmed Above Cleanup Levels
Sediment: Not reported
Air: Not reported
Bedrock: Not reported
Responsible Unit: Southwest

Name: PIONEER MUSEUM
Address: 2301 23RD AVE SE
City,State,Zip: PUYALLUP, WA 98372
Facility ID: 9490
Region: Southwest
Lat/Long: 47.172527 / -122.265384
Clean Up Siteid: 11739
Site Status: Awaiting Cleanup
Contaminant Name: Petroleum-Other
Alternate Site Names: Not reported
Site Rank: Not reported
Has Institutional Control: Not reported
Past VCP: Not reported
Current VCP: Not reported
URL: https://apps.ecology.wa.gov/cleanupsearch/site/11739
Ground Water: Not reported
Surface Water: Not reported
Soil: Confirmed Above Cleanup Levels
Sediment: Not reported
Air: Not reported
Bedrock: Not reported
Responsible Unit: Southwest

Name: PIONEER MUSEUM
Address: 2301 23RD AVE SE
City,State,Zip: PUYALLUP, WA 98372
Facility ID: 9490
Region: Southwest
Lat/Long: 47.172527 / -122.265384
Clean Up Siteid: 11739
Site Status: Awaiting Cleanup
Contaminant Name: Phenolic Compounds
Alternate Site Names: Not reported
Site Rank: Not reported
Has Institutional Control: Not reported
Past VCP: Not reported
Current VCP: Not reported
URL: https://apps.ecology.wa.gov/cleanupsearch/site/11739
Ground Water: Not reported
Surface Water: Not reported

PIONEER MUSEUM (Continued) **S111414226**

Soil: Confirmed Above Cleanup Levels
Sediment: Not reported
Air: Not reported
Bedrock: Not reported
Responsible Unit: Southwest

ALLSITES:
Name: PIONEER MUSEUM
Facility Id: 9490

Interaction: 98655
Interaction 1: A
Interaction 2: SCS
Ecology Program: TOXICS
Program Data: ISIS
Facility Alt.: PIONEER MUSEUM
Program ID: Not reported
Date Interaction: 2010-06-28 00:00:00
Date Interaction 3: State Cleanup Site
Latitude: 47.172525905299999
Longitude: -122.265370589

A2 Target Property **PIONEER MUSEUM FORMER** **RGA HWS** **S115345102**
2301 23RD AVE SE **N/A**
PUYALLUP, WA

Site 2 of 4 in cluster A

Actual: 371 ft.

RGA HWS:
2012 PIONEER MUSEUM FORMER 2301 23RD AVE SE

A3 Target Property **PIONEER MUSEUM** **FINDS** **1015922136**
2301 23RD AVE SE **N/A**
PUYALLUP, WA 98372

Site 3 of 4 in cluster A

Actual: 371 ft.

FINDS:
Registry ID: 110045015274

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
Washington Facility / Site Identification System (WA-FSIS) provides a means to query and display data maintained by the Washington Department of Ecology. This system contains key information for each facility/site that is currently, or has been, of interest to the Air Quality, Dam Safety, Hazardous Waste, Toxics Cleanup, and Water Quality Programs.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A4 **SPILLS** **S110627886**
N/A

1900 BLK 22ND PLACE
< 1/8 **PUYALLUP, WA**
1 ft.

Site 4 of 4 in cluster A

Relative: **Higher**

Actual: **386 ft.**

SPILLS:

Name:	Not reported
Address:	1900 BLK 22ND PLACE
City,State,Zip:	PUYALLUP, WA
Facility ID:	82675
Medium:	Land
Material Desc:	OILY WATER MIXTURE
Material Qty:	1051
Material Units:	Gals
Incident Date:	06/27/2010
Incident Category Type:	Oil Spill
Incident Category:	Oil Spill
Latitude:	47.172113
Longitude:	-122.265218
Source Type:	Private Property
Source:	Drum or Container
Vessel Facility Name2:	Not reported
Recovered Quantity:	1051
Resp Party Contact:	Joshua Gunia, Sharon Tanner
Cause:	ERTS# 620837 - 06/27/2010
Cause Type:	Not reported
Resp Party Name:	Not reported
Medium Type:	Land
Contributing Factors:	Not reported

SPILLS ERTS:

Facility Site ID:	Not reported
Name:	Not reported
Address:	1900 BLK 22ND PLACE
City,State,Zip:	PUYALLUP, WA
Program Name:	Toxics Cleanup
Incident ID:	620837
Incident Status:	Historic
Incident Date:	06/27/2010
Initial Report Activity Name:	Unknown
Initial Report Cause Category:	Human error
Initial Report Cause Name:	Unknown
Initial Report Medium Name:	Building/Structure
Initial Report Medium Category:	Impermeable surface
Initial Report Source Name:	Undetermined
Initial Report Source Category:	Historical
Initial Report Substance Name:	Undetermined
Initial Report Substance Category:	Historical
Initial Report Substance Quantity:	15
Initial Report Substance Unit Of Measure:	Drum
Potentially Responsible Party First Name:	Not reported
Potentially Responsible Party Last Name:	Unknown
Potentially Responsible Party Organization:	Not reported
External Reference Number:	Not reported
Latitude:	47.172113000000003
Longitude:	122.265218

Facility Site ID: Not reported

(Continued) **S110627886**

Name:	Not reported
Address:	1900 BLK 22ND PLACE
City,State,Zip:	PUYALLUP, WA
Program Name:	Spill Prevention, Preparedness & Response
Incident ID:	620837
Incident Status:	Historic
Incident Date:	06/27/2010
Initial Report Activity Name:	Unknown
Initial Report Cause Category:	Human error
Initial Report Cause Name:	Unknown
Initial Report Medium Name:	Building/Structure
Initial Report Medium Category:	Impermeable surface
Initial Report Source Name:	Undetermined
Initial Report Source Category:	Historical
Initial Report Substance Name:	Undetermined
Initial Report Substance Category:	Historical
Initial Report Substance Quantity:	15
Initial Report Substance Unit Of Measure:	Drum
Potentially Responsible Party First Name:	Not reported
Potentially Responsible Party Last Name:	Unknown
Potentially Responsible Party Organization:	Not reported
External Reference Number:	Not reported
Latitude:	47.172113000000003
Longitude:	122.265218

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5 **CYPRESS MANOR** **ALLSITES** **S110037749**
NE **CORNER 19TH AVE SE & 17TH ST SE** **N/A**
1/4-1/2 **PUYALLUP, WA 98372**
0.283 mi.
1496 ft.

Relative: **Lower**

Actual: **205 ft.**

ALLSITES:

Name:	CYPRESS MANOR
Facility Id:	14849

Interaction:	84127
Interaction 1:	A
Interaction 2:	CONSTSWGP
Ecology Program:	WATQUAL
Program Data:	PARIS
Facility Alt.:	CYPRESS MANOR
Program ID:	WAR007059
Date Interaction:	2006-04-07 00:00:00
Date Interaction 3:	Construction SW GP
Latitude:	47.176900000099998
Longitude:	-122.261

6
ESE
1/4-1/2
0.408 mi.
2156 ft.

SULLYS GLEN
2820 23RD AVE SE
PUYALLUP, WA 98374

ALLSITES **S121069829**
NPDES **N/A**

Relative:
Higher

Actual:
496 ft.

ALLSITES:

Name:	SULLYS GLEN
Facility Id:	7041
Interaction:	123271
Interaction 1:	A
Interaction 2:	CONSTSWGP
Ecology Program:	WATQUAL
Program Data:	PARIS
Facility Alt.:	Sully's Glen
Program ID:	WAR305747
Date Interaction:	2017-08-09 00:00:00
Date Interaction 3:	Construction SW GP
Latitude:	47.168808756300002
Longitude:	-122.256441714

NPDES:

Name:	SULLY'S GLEN
Address:	2820 23RD AVE SE
City,State,Zip:	PUYALLUP, WA 98374
Facility Status:	Not reported
Facility Type:	Construction SW GP
Admin Region:	Headqarters
Date Issued:	11/18/2020
Latitude:	Not reported
Longitude:	Not reported
Permit ID:	WAR305747
Permit Version:	Not reported
Permit Status:	Active
Permit SubStatus:	Not reported
Ecology Contact:	Not reported
WRIA:	Not reported
Permit Expiration Date:	12/31/2025
Effective Date:	01/01/2021
Days to Expiration:	-1178

7
NE
1/4-1/2
0.471 mi.
2487 ft.

PUYALLUP HIGHLANDS PHASE 4
1500 SHAW RD
PUYALLUP, WA 98372

ALLSITES **S110764255**
N/A

Relative:
Lower

Actual:
129 ft.

ALLSITES:

Name:	PUYALLUP HIGHLANDS PHASE 4
Facility Id:	15776
Interaction:	101944
Interaction 1:	A
Interaction 2:	CONSTSWGP
Ecology Program:	WATQUAL
Program Data:	PARIS
Facility Alt.:	Puyallup Highlands Phase 4

PUYALLUP HIGHLANDS PHASE 4 (Continued) **S110764255**

Program ID: WAR125927
Date Interaction: 2012-06-25 00:00:00
Date Interaction 3: Construction SW GP
Latitude: 47.1769183619
Longitude: -122.255701102

Name: PUAYLLUP HIGHLANDS PHASE 3 PARTIAL
Facility Id: 11283

Interaction: 99219
Interaction 1: I
Interaction 2: CONSTSWGP
Ecology Program: WATQUAL
Program Data: PARIS
Facility Alt.: Puayllup Highlands Phase 3 Partial
Program ID: WAR125473
Date Interaction: 2012-01-06 00:00:00
Date Interaction 3: Construction SW GP
Latitude: 47.180205494200003
Longitude: -122.249252181

Name: PUYALLUP HIGHLANDS PHASE 3 PARTIAL
Facility Id: 6276

Interaction: 103330
Interaction 1: I
Interaction 2: CONSTSWGP
Ecology Program: WATQUAL
Program Data: PARIS
Facility Alt.: Puyallup Highlands Phase 3 Partial
Program ID: WAR126613
Date Interaction: 2012-12-12 00:00:00
Date Interaction 3: Construction SW GP
Latitude: 47.178983488999997
Longitude: -122.246638257

Name: PUYALLUP HIGHLANDS HIGH COUNTRY
Facility Id: 9017

Interaction: 109335
Interaction 1: A
Interaction 2: CONSTSWGP
Ecology Program: WATQUAL
Program Data: PARIS
Facility Alt.: Puyallup Highlands High Country
Program ID: WAR302153
Date Interaction: 2014-06-30 00:00:00
Date Interaction 3: Construction SW GP
Latitude: 47.181000661100001
Longitude: -122.247990917

Name: PUYALLUP HIGHLANDS CONSTRUCTION SITE
Facility Id: 6587244

PUYALLUP HIGHLANDS PHASE 4 (Continued) **S110764255**

Interaction: 90992
Interaction 1: A
Interaction 2: ENFORFNL
Ecology Program: WATQUAL
Program Data: DMS
Facility Alt.: Not reported
Program ID: Not reported
Date Interaction: 2010-02-22 00:00:00
Date Interaction 3: Enforcement Final
Latitude: 47.176918999800002
Longitude: -122.255703

Interaction: 87647
Interaction 1: I
Interaction 2: CONSTSWGP
Ecology Program: WATQUAL
Program Data: PARIS
Facility Alt.: PUYALLUP HIGHLANDS
Program ID: WAR006083
Date Interaction: 2005-03-18 00:00:00
Date Interaction 3: Construction SW GP
Latitude: 47.176918999800002
Longitude: -122.255703

Interaction: 96273
Interaction 1: I
Interaction 2: CONSTSWGP
Ecology Program: WATQUAL
Program Data: PARIS
Facility Alt.: Puyallup Highlands Phase 3
Program ID: WAR124893
Date Interaction: 2011-04-11 00:00:00
Date Interaction 3: Construction SW GP
Latitude: 47.176918999800002
Longitude: -122.255703

Name: PUYALLUP HIGHLANDS RICHMOND AMERICAN HOMES
Facility Id: 19488

Interaction: 104667
Interaction 1: I
Interaction 2: CONSTSWGP
Ecology Program: WATQUAL
Program Data: PARIS
Facility Alt.: Puyallup Highlands Richmond American Homes
Program ID: WAR126927
Date Interaction: 2013-04-02 00:00:00
Date Interaction 3: Construction SW GP
Latitude: 47.177129722799997
Longitude: -122.255868885

Count: 2 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
PIERCE COUNTY	S118401950	OCCIDENTAL CHEMICAL-SITE II	26TH AVE E AND N OF PACIFIC HW		SWF/LF
PIERCE COUNTY	S118401944	O'CONNER DEMOLITION FILL	BETWEEN 19TH AND 21ST ST NE AN		SWF/LF

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: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 12/01/2022
Next Scheduled EDR Contact: 04/10/2023
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: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 12/01/2022
Next Scheduled EDR Contact: 04/10/2023
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.

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: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 12/01/2022
Next Scheduled EDR Contact: 04/10/2023
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: 08/25/2022
Date Data Arrived at EDR: 09/06/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 90

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 12/21/2022
Next Scheduled EDR Contact: 04/10/2023
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 know 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: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/01/2022
Next Scheduled EDR Contact: 01/23/2023
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

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: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/01/2022
Next Scheduled EDR Contact: 01/23/2023
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: 11/21/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 14

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/21/2022
Next Scheduled EDR Contact: 04/03/2023
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: 11/21/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 12/21/2022
Next Scheduled EDR Contact: 04/03/2023
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: 11/21/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 12/21/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

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: 11/21/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 12/21/2022
Next Scheduled EDR Contact: 04/03/2023
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: 11/21/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 12/21/2022
Next Scheduled EDR Contact: 04/03/2023
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: 08/16/2022
Date Data Arrived at EDR: 08/22/2022
Date Made Active in Reports: 10/24/2022
Number of Days to Update: 63

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/01/2022
Next Scheduled EDR Contact: 02/20/2023
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: 08/15/2022
Date Data Arrived at EDR: 08/17/2022
Date Made Active in Reports: 10/24/2022
Number of Days to Update: 68

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/16/2022
Next Scheduled EDR Contact: 03/06/2023
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: 08/15/2022
Date Data Arrived at EDR: 08/17/2022
Date Made Active in Reports: 10/24/2022
Number of Days to Update: 68

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/16/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: Varies

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: 12/12/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 12/19/2022
Number of Days to Update: 5

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 12/14/2022
Next Scheduled EDR Contact: 04/03/2023
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).

Date of Government Version: 08/24/2022
Date Data Arrived at EDR: 09/07/2022
Date Made Active in Reports: 11/29/2022
Number of Days to Update: 83

Source: Department of Ecology
Telephone: 360-407-7200
Last EDR Contact: 11/28/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Semi-Annually

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: 10/10/2022
Date Data Arrived at EDR: 10/11/2022
Date Made Active in Reports: 12/22/2022
Number of Days to Update: 72

Source: Department of Ecology
Telephone: 360-407-7200
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/23/2023
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: 07/07/2022
Date Data Arrived at EDR: 07/21/2022
Date Made Active in Reports: 10/04/2022
Number of Days to Update: 75

Source: Department of Ecology
Telephone: 360-407-6132
Last EDR Contact: 11/22/2022
Next Scheduled EDR Contact: 03/13/2023
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: 08/08/2022
Date Data Arrived at EDR: 08/09/2022
Date Made Active in Reports: 10/26/2022
Number of Days to Update: 78

Source: Department of Ecology
Telephone: 360-407-7183
Last EDR Contact: 11/08/2022
Next Scheduled EDR Contact: 02/20/2023
Data Release Frequency: Quarterly

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

Date of Government Version: 04/28/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
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: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
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: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/06/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

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: 04/08/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
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: 04/11/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

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

Date of Government Version: 06/02/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/31/2022
Number of Days to Update: 79

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
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: 04/14/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
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: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
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: 10/14/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 02/01/2022
Number of Days to Update: 88
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 12/28/2022
Next Scheduled EDR Contact: 04/17/2023
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: 08/08/2022
Date Data Arrived at EDR: 08/09/2022
Date Made Active in Reports: 10/26/2022
Number of Days to Update: 78
Source: Department of Ecology
Telephone: 360-407-7183
Last EDR Contact: 11/08/2022
Next Scheduled EDR Contact: 02/20/2023
Data Release Frequency: Quarterly

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
Date Data Arrived at EDR: 02/02/2016
Date Made Active in Reports: 05/03/2016
Number of Days to Update: 91
Source: Department of Ecology
Telephone: 360-407-7562
Last EDR Contact: 10/20/2022
Next Scheduled EDR Contact: 02/06/2023
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: 06/02/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/31/2022
Number of Days to Update: 79
Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
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: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64
Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
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: 04/14/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
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: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
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: 04/07/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

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: 04/11/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

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: 04/28/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
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: 04/08/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 01/30/2023
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: 10/10/2022
Date Data Arrived at EDR: 10/11/2022
Date Made Active in Reports: 12/22/2022
Number of Days to Update: 72

Source: Department of Ecology
Telephone: 360-407-7170
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/23/2023
Data Release Frequency: Quarterly

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

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

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
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
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 12/13/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Varies

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: 10/10/2022
Date Data Arrived at EDR: 10/11/2022
Date Made Active in Reports: 12/22/2022
Number of Days to Update: 72

Source: Department of Ecology
Telephone: 360-407-7200
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/23/2023
Data Release Frequency: Varies

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
Date Data Arrived at EDR: 01/03/2003
Date Made Active in Reports: 01/22/2003
Number of Days to Update: 19

Source: Department of Ecology
Telephone: 360-407-7200
Last EDR Contact: 08/10/2009
Next Scheduled EDR Contact: 11/09/2009
Data Release Frequency: No Update Planned

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: 08/08/2022
Date Data Arrived at EDR: 08/09/2022
Date Made Active in Reports: 10/26/2022
Number of Days to Update: 78

Source: Department of Ecology
Telephone: 360-407-0515
Last EDR Contact: 11/08/2022
Next Scheduled EDR Contact: 02/22/2023
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: 10/10/2022
Date Data Arrived at EDR: 10/11/2022
Date Made Active in Reports: 12/22/2022
Number of Days to Update: 72

Source: Department of Ecology
Telephone: 360-725-4030
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/23/2023
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: 02/23/2022
Date Data Arrived at EDR: 03/10/2022
Date Made Active in Reports: 03/10/2022
Number of Days to Update: 0

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/07/2022
Next Scheduled EDR Contact: 03/27/2023
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWTIRE 2: Solid Waste Tire Facilities 2

solid waste tire piles

Date of Government Version: 06/01/2022
Date Data Arrived at EDR: 06/23/2022
Date Made Active in Reports: 09/12/2022
Number of Days to Update: 81

Source: Department of Ecology
Telephone: 425-649-7104
Last EDR Contact: 11/22/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Varies

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

SWRCY: Recycling Facility List
A llisting of recycling center locations.

Date of Government Version: 07/14/2022
Date Data Arrived at EDR: 09/06/2022
Date Made Active in Reports: 09/13/2022
Number of Days to Update: 7
Source: Department of Ecology
Telephone: 360-407-6105
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
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: 10/20/2022
Next Scheduled EDR Contact: 02/06/2023
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: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
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 Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 10/28/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Varies

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: 07/29/2022
Date Data Arrived at EDR: 08/18/2022
Date Made Active in Reports: 10/24/2022
Number of Days to Update: 67
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/16/2022
Next Scheduled EDR Contact: 03/06/2023
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: 07/25/2022
Date Data Arrived at EDR: 07/26/2022
Date Made Active in Reports: 10/06/2022
Number of Days to Update: 72

Source: Department of Ecology
Telephone: 360-407-6423
Last EDR Contact: 10/26/2022
Next Scheduled EDR Contact: 02/06/2023
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: 06/30/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 10/19/2022
Number of Days to Update: 78

Source: Department of Health
Telephone: 360-236-3380
Last EDR Contact: 10/27/2022
Next Scheduled EDR Contact: 02/13/2023
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
Date Data Arrived at EDR: 06/26/2007
Date Made Active in Reports: 07/19/2007
Number of Days to Update: 23

Source: Department of Health
Telephone: 360-236-3381
Last EDR Contact: 06/02/2008
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: 10/10/2022
Date Data Arrived at EDR: 10/11/2022
Date Made Active in Reports: 12/22/2022
Number of Days to Update: 72

Source: Department of Ecology
Telephone: 360-407-7170
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/23/2023
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.

Date of Government Version: 07/29/2022
Date Data Arrived at EDR: 08/18/2022
Date Made Active in Reports: 10/24/2022
Number of Days to Update: 67

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/16/2022
Next Scheduled EDR Contact: 03/06/2023
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: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 12/01/2022
Next Scheduled EDR Contact: 04/10/2023
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: 09/19/2022
Date Data Arrived at EDR: 09/19/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 11

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 12/14/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

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

Date of Government Version: 08/24/2022
Date Data Arrived at EDR: 08/30/2022
Date Made Active in Reports: 11/17/2022
Number of Days to Update: 79

Source: Department of Ecology
Telephone: 360-407-6950
Last EDR Contact: 11/22/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Semi-Annually

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: 12/05/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 12/22/2022
Number of Days to Update: 16

Source: Department of Ecology
Telephone: 360-407-7455
Last EDR Contact: 11/22/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Varies

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

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: 11/21/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 12/21/2022
Next Scheduled EDR Contact: 04/03/2023
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: 08/11/2022
Date Data Arrived at EDR: 08/11/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 50

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 11/10/2022
Next Scheduled EDR Contact: 02/27/2023
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
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/13/2022
Next Scheduled EDR Contact: 01/23/2023
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
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/03/2022
Next Scheduled EDR Contact: 01/16/2023
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: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 11/03/2022
Next Scheduled EDR Contact: 02/20/2023
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.

Date of Government Version: 09/19/2022
Date Data Arrived at EDR: 09/20/2022
Date Made Active in Reports: 12/22/2022
Number of Days to Update: 93

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 12/14/2022
Next Scheduled EDR Contact: 04/03/2023
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: 10/28/2022
Next Scheduled EDR Contact: 02/16/2023
Data Release Frequency: Quarterly

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: 10/28/2022
Next Scheduled EDR Contact: 02/16/2023
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: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/12/2022
Next Scheduled EDR Contact: 03/27/2023
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: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/01/2022
Next Scheduled EDR Contact: 02/27/2023
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.

Date of Government Version: 07/18/2022
Date Data Arrived at EDR: 07/18/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 11

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/18/2022
Next Scheduled EDR Contact: 01/30/2023
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: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/01/2022
Next Scheduled EDR Contact: 03/13/2023
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: 04/27/2022
Date Data Arrived at EDR: 05/04/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 10/27/2022
Next Scheduled EDR Contact: 01/30/2023
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: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 12/01/2022
Next Scheduled EDR Contact: 02/16/2023
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.

Date of Government Version: 01/20/2022
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 64

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/06/2022
Next Scheduled EDR Contact: 01/16/2023
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: 12/28/2022
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 10/26/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 13
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
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: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 84
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 11/29/2022
Next Scheduled EDR Contact: 03/13/2023
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.

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: 11/23/2022
Next Scheduled EDR Contact: 03/13/2023
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: 11/03/2022
Next Scheduled EDR Contact: 02/13/2023
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: 12/20/2022
Next Scheduled EDR Contact: 04/10/2023
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 Transporation, 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 Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 10/24/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Quarterly

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: 06/30/2022
Date Data Arrived at EDR: 07/21/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 71

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 09/27/2022
Next Scheduled EDR Contact: 01/16/2023
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: 12/31/2019
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 23

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 12/21/2022
Next Scheduled EDR Contact: 04/03/2023
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
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/06/2022
Next Scheduled EDR Contact: 01/16/2023
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: 07/26/2021
Date Data Arrived at EDR: 07/27/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 10/27/2022
Next Scheduled EDR Contact: 02/16/2023
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: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/09/2022
Next Scheduled EDR Contact: 02/27/2023
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 12/01/2022
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 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: 11/29/2022
Date Data Arrived at EDR: 11/30/2022
Date Made Active in Reports: 12/22/2022
Number of Days to Update: 22

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 11/28/2022
Next Scheduled EDR Contact: 03/13/2023
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: 08/03/2022
Date Data Arrived at EDR: 08/17/2022
Date Made Active in Reports: 08/31/2022
Number of Days to Update: 14

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 11/17/2022
Next Scheduled EDR Contact: 03/06/2023
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: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/21/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: Varies

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
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/21/2022
Next Scheduled EDR Contact: 03/06/2023
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: 09/13/2022
Date Data Arrived at EDR: 09/14/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 82

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 12/13/2022
Next Scheduled EDR Contact: 03/20/2023
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: 08/03/2022
Date Data Arrived at EDR: 08/25/2022
Date Made Active in Reports: 10/24/2022
Number of Days to Update: 60

Source: EPA
Telephone: (206) 553-1200
Last EDR Contact: 11/29/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

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

Date of Government Version: 09/25/2022
Date Data Arrived at EDR: 09/30/2022
Date Made Active in Reports: 12/22/2022
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 09/30/2022
Next Scheduled EDR Contact: 01/16/2023
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: 11/15/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 01/11/2022
Date Made Active in Reports: 02/14/2022
Number of Days to Update: 34

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 10/05/2022
Next Scheduled EDR Contact: 01/23/2023
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: 08/11/2022
Date Data Arrived at EDR: 08/11/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 50

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 11/10/2022
Next Scheduled EDR Contact: 02/27/2023
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: 02/23/2022
Date Data Arrived at EDR: 07/08/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 123

Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 10/04/2022
Next Scheduled EDR Contact: 01/16/2023
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: 02/23/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/06/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Varies

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: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/04/2022
Next Scheduled EDR Contact: 01/16/2023
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: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/06/2022
Next Scheduled EDR Contact: 01/16/2023
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
Date Data Arrived at EDR: 03/17/2021
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 601

Source: Department of Health & Human Services
Telephone: 202-741-5770
Last EDR Contact: 10/28/2022
Next Scheduled EDR Contact: 02/06/2023
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: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/06/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Varies

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.

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/06/2022
Next Scheduled EDR Contact: 01/16/2023
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: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/06/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Varies

PFAS ECHO FIRE TRAINING: 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 facilitys 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: 08/22/2018
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/06/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Varies

PFAS PART 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: 08/22/2018
Date Data Arrived at EDR: 10/26/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/26/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Varies

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: 02/23/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/06/2022
Next Scheduled EDR Contact: 01/16/2023
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: 08/08/2022
Date Data Arrived at EDR: 08/09/2022
Date Made Active in Reports: 09/28/2022
Number of Days to Update: 50

Source: Department of Ecology
Telephone: 360-407-6116
Last EDR Contact: 09/28/2022
Next Scheduled EDR Contact: 01/16/2023
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: 09/28/2022
Date Data Arrived at EDR: 10/05/2022
Date Made Active in Reports: 10/26/2022
Number of Days to Update: 21

Source: Department of Ecology
Telephone: 360-407-6116
Last EDR Contact: 09/28/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Varies

AIRS (EMI): Washington Emissions Data System

Emissions inventory data.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 07/12/2022
Date Made Active in Reports: 09/28/2022
Number of Days to Update: 78

Source: Department of Ecology
Telephone: 360-407-6040
Last EDR Contact: 10/13/2022
Next Scheduled EDR Contact: 01/23/2023
Data Release Frequency: Annually

ASBESTOS: Asbestos Notification Listing

Asbestos sites

Date of Government Version: 09/06/2022
Date Data Arrived at EDR: 09/07/2022
Date Made Active in Reports: 11/30/2022
Number of Days to Update: 84

Source: Department of Labor & Industries
Telephone: 360-902-6209
Last EDR Contact: 11/09/2022
Next Scheduled EDR Contact: 02/27/2023
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Site Listing

A listing of coal ash disposal site locations.

Date of Government Version: 07/11/2022
Date Data Arrived at EDR: 07/20/2022
Date Made Active in Reports: 10/04/2022
Number of Days to Update: 76

Source: Department of Ecology
Telephone: 360-407-6933
Last EDR Contact: 11/22/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Varies

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: 10/06/2022
Date Data Arrived at EDR: 10/06/2022
Date Made Active in Reports: 12/22/2022
Number of Days to Update: 77

Source: Department of Ecology
Telephone: 360-407-6732
Last EDR Contact: 10/05/2022
Next Scheduled EDR Contact: 01/23/2023
Data Release Frequency: Varies

Financial 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: 11/17/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 11/29/2022
Number of Days to Update: 7

Source: Department of Ecology
Telephone: 360-586-1060
Last EDR Contact: 11/16/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: No Update Planned

Financial 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: 08/07/2022
Date Data Arrived at EDR: 08/10/2022
Date Made Active in Reports: 10/26/2022
Number of Days to Update: 77

Source: Department of Ecology
Telephone: 360-407-6754
Last EDR Contact: 11/02/2022
Next Scheduled EDR Contact: 02/20/2023
Data Release Frequency: Varies

Financial 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: 11/15/2017
Date Data Arrived at EDR: 11/20/2017
Date Made Active in Reports: 01/04/2018
Number of Days to Update: 45

Source: Department of Ecology
Telephone: 360-407-6136
Last EDR Contact: 10/14/2022
Next Scheduled EDR Contact: 02/20/2023
Data Release Frequency: No Update Planned

INACTIVE DRYCLEANERS: Inactive Drycleaners

A listing of inactive drycleaner facility locations.

Date of Government Version: 10/06/2022
Date Data Arrived at EDR: 10/06/2022
Date Made Active in Reports: 12/22/2022
Number of Days to Update: 77

Source: Department of Ecology
Telephone: 360-407-6732
Last EDR Contact: 10/05/2022
Next Scheduled EDR Contact: 01/23/2023
Data Release Frequency: Annually

WA MANIFEST: Hazardous Waste Manifest Data

Hazardous waste manifest information.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 08/11/2021
Date Made Active in Reports: 11/23/2021
Number of Days to Update: 104

Source: Department of Ecology
Telephone: N/A
Last EDR Contact: 12/07/2022
Next Scheduled EDR Contact: 03/27/2023
Data Release Frequency: Annually

NPDES: Water Quality Permit System Data
A listing of permitted wastewater facilities.

Date of Government Version: 10/10/2022
Date Data Arrived at EDR: 10/11/2022
Date Made Active in Reports: 12/22/2022
Number of Days to Update: 72

Source: Department of Ecology
Telephone: 360-407-6073
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/23/2023
Data Release Frequency: Quarterly

UIC: Underground Injection Wells Listing
A listing of underground injection wells.

Date of Government Version: 04/01/2022
Date Data Arrived at EDR: 04/01/2022
Date Made Active in Reports: 04/13/2022
Number of Days to Update: 12

Source: Department of Ecology
Telephone: 360-407-6143
Last EDR Contact: 10/05/2022
Next Scheduled EDR Contact: 01/23/2023
Data Release Frequency: Quarterly

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 12/28/2022
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 11/22/2022
Next Scheduled EDR Contact: 03/06/2023
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: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 12/28/2022
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Semi-Annually

PCS INACTIVE: Listing of Inactive PCS Permits
An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 12/28/2022
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Semi-Annually

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.

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:

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
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/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
Date Data Arrived at EDR: 08/18/1995
Date Made Active in Reports: 09/20/1995
Number of Days to Update: 33
Source: Department of Public Health
Telephone: 206-296-4785
Last EDR Contact: 08/14/1995
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
Date Data Arrived at EDR: 09/25/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 29

Source: Snohomish Health District
Telephone: 206-339-5250
Last EDR Contact: 12/12/2022
Next Scheduled EDR Contact: 03/27/2023
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
Date Data Arrived at EDR: 03/24/2003
Date Made Active in Reports: 05/14/2003
Number of Days to Update: 51

Source: Tacoma-Pierce County Health Department
Telephone: 206-591-6500
Last EDR Contact: 03/19/2003
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.

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: 08/08/2022
Date Data Arrived at EDR: 08/08/2022
Date Made Active in Reports: 10/21/2022
Number of Days to Update: 74

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/16/2022
Next Scheduled EDR Contact: 02/20/2023
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: 01/01/2019
Date Data Arrived at EDR: 10/29/2021
Date Made Active in Reports: 01/19/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 10/28/2022
Next Scheduled EDR Contact: 02/06/2023
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: 10/05/2022
Next Scheduled EDR Contact: 01/23/2023
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: 12/01/2022
Next Scheduled EDR Contact: 03/20/2023
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.

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

SUNSET POINTE
2301 23RD ST SE
PUYALLUP, WA 98372

TARGET PROPERTY COORDINATES

Latitude (North):	47.172539 - 47ˆ 10’ 21.14’’
Longitude (West):	122.265431 - 122ˆ 15’ 55.55’’
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	555667.6
UTM Y (Meters):	5224381.0
Elevation:	371 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	14742704 PUYALLUP, WA
Version Date:	2020
East Map:	14742722 SUMNER, 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).

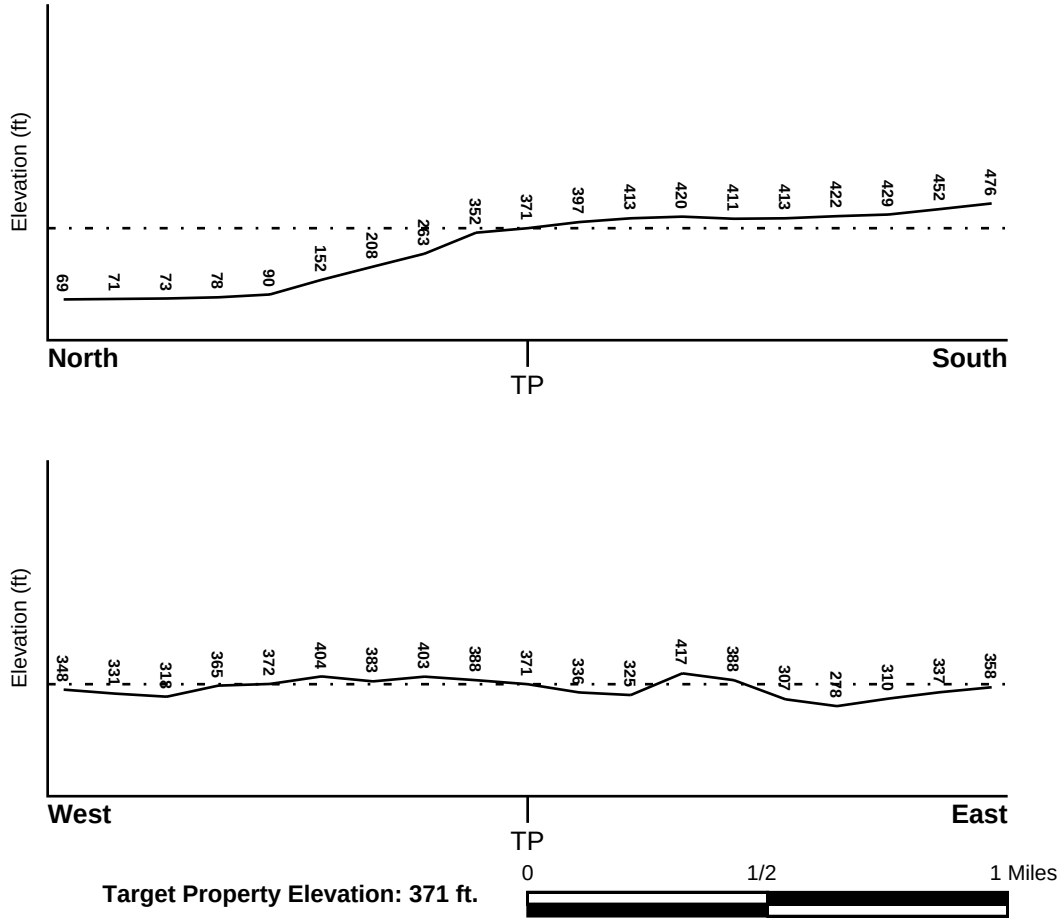
TOPOGRAPHIC INFORMATION

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 North

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

Flood Plain Panel at Target Property	FEMA Source Type
5301440005B	FEMA Q3 Flood data

Additional Panels in search area:	FEMA Source Type
5301380350D	FEMA Q3 Flood data
5301380361C	FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
PUYALLUP	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.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

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

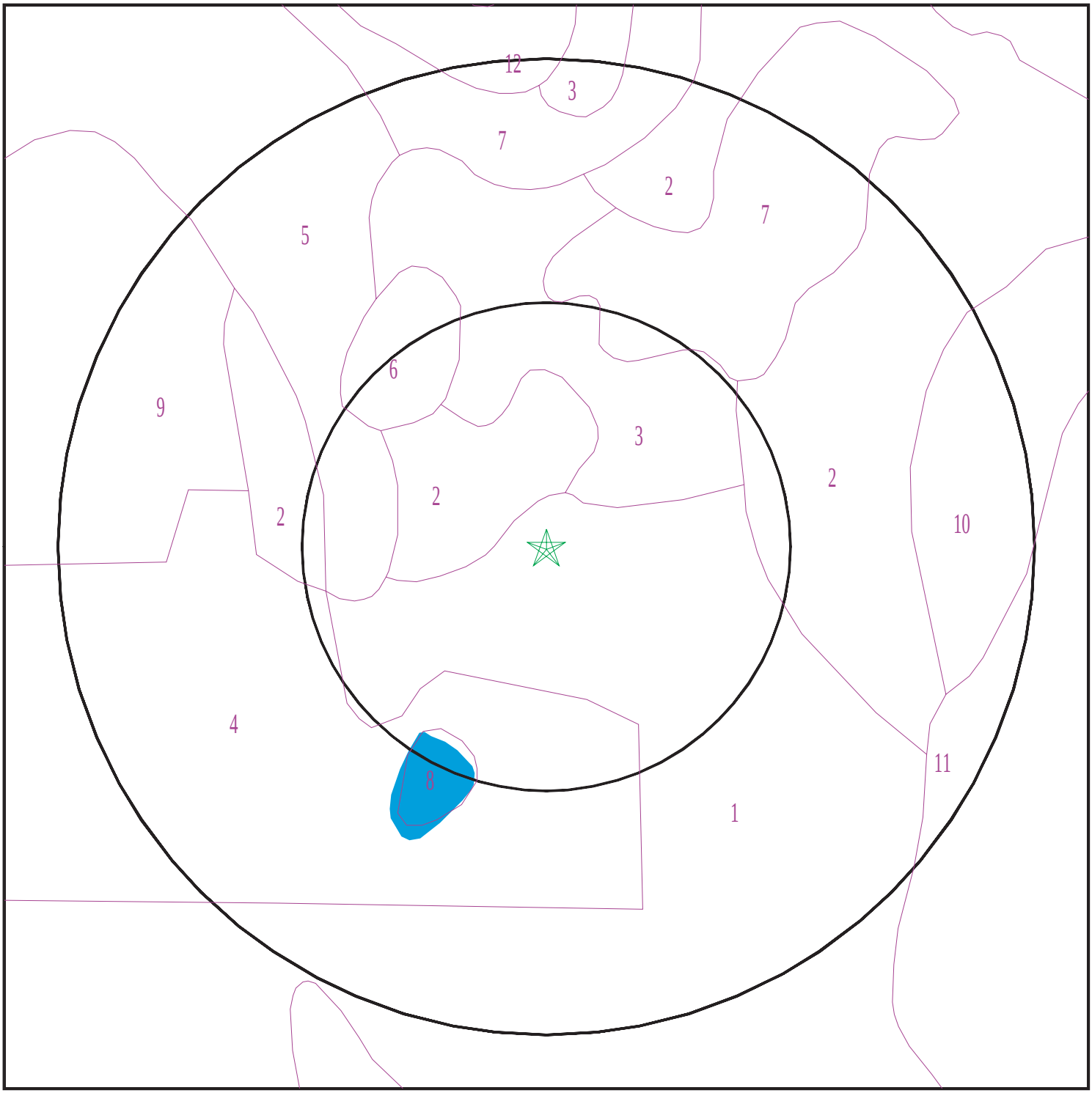
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

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 - 7214049.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Sunset Pointe	CLIENT:	Earth Solutions Northwest
ADDRESS:	2301 23rd St SE Puyallup WA 98372	CONTACT:	Kyler Kelly
LAT/LONG:	47.172539 / 122.265431	INQUIRY #:	7214049.2s
		DATE:	December 29, 2022 3:33 pm

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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: Everett

Soil Surface Texture: gravelly sandy loam

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

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							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 705 Min: 141	Max: 6 Min: 5.6
2	7 inches	18 inches	very gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 705 Min: 141	Max: 6 Min: 5.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
3	18 inches	59 inches	very gravelly sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 705 Min: 141	Max: 6 Min: 5.6

Soil Map ID: 2

Soil Component Name: Kitsap

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: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 1.4 Min: 0.42	Max: 7.3 Min: 6.1

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	9 inches	31 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 1.4 Min: 0.42	Max: 7.3 Min: 6.1
3	31 inches	59 inches	stratified silt to silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 1.4 Min: 0.42	Max: 7.3 Min: 6.1

Soil Map ID: 3

Soil Component Name: Kitsap

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: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 1.4 Min: 0.42	Max: 7.3 Min: 6.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	9 inches	31 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 1.4 Min: 0.42	Max: 7.3 Min: 6.1
3	31 inches	59 inches	stratified silt to silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 1.4 Min: 0.42	Max: 7.3 Min: 6.1

Soil Map ID: 4

Soil Component Name: Pits

Soil Surface Texture: silt loam

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 5

Soil Component Name: Alderwood

Soil Surface Texture: gravelly sandy 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: Moderately well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 0.42 Min: 0.01	Max: 6 Min: 5.6
2	7 inches	40 inches	very gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 0.42 Min: 0.01	Max: 6 Min: 5.6
3	40 inches	59 inches	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 0.42 Min: 0.01	Max: 6 Min: 5.6

Soil Map ID: 6

Soil Component Name: Indianola

Soil Surface Texture: loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

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							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141	Max: 6.5 Min: 6.1
2	7 inches	59 inches	sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141	Max: 6.5 Min: 6.1

Soil Map ID: 7

Soil Component Name: Kitsap

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: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 1.4 Min: 0.42	Max: 7.3 Min: 6.1
2	9 inches	31 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 1.4 Min: 0.42	Max: 7.3 Min: 6.1
3	31 inches	59 inches	stratified silt to silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 1.4 Min: 0.42	Max: 7.3 Min: 6.1

Soil Map ID: 8

Soil Component Name: Water

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:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 9

Soil Component Name: Alderwood

Soil Surface Texture: gravelly sandy 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: Moderately well 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

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 0.42 Min: 0.01	Max: 6 Min: 5.6
2	7 inches	37 inches	very gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 0.42 Min: 0.01	Max: 6 Min: 5.6
3	37 inches	59 inches	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 0.42 Min: 0.01	Max: 6 Min: 5.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 10

Soil Component Name: Kapowsin

Soil Surface Texture: gravelly loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 0.42 Min: 0.01	Max: 6 Min: 5.6
2	7 inches	16 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 0.42 Min: 0.01	Max: 6 Min: 5.6
3	16 inches	25 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 0.42 Min: 0.01	Max: 6 Min: 5.6
4	25 inches	59 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 0.42 Min: 0.01	Max: 6 Min: 5.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 11

Soil Component Name: Kapowsin

Soil Surface Texture: gravelly loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 0.42 Min: 0.01	Max: 6 Min: 5.6
2	7 inches	16 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 0.42 Min: 0.01	Max: 6 Min: 5.6
3	16 inches	25 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 0.42 Min: 0.01	Max: 6 Min: 5.6
4	25 inches	59 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 0.42 Min: 0.01	Max: 6 Min: 5.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 12

Soil Component Name: Everett

Soil Surface Texture: gravelly sandy loam

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

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							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 705 Min: 141	Max: 6 Min: 5.6
2	7 inches	18 inches	very gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 705 Min: 141	Max: 6 Min: 5.6
3	18 inches	59 inches	very gravelly sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel.	Max: 705 Min: 141	Max: 6 Min: 5.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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

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

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	USGS40001249455	1/4 - 1/2 Mile NNW
A2	USGS40001249454	1/4 - 1/2 Mile NW
D13	USGS40001249139	1/4 - 1/2 Mile SSW
D14	USGS40001249140	1/4 - 1/2 Mile SSW
33	USGS40001249386	1/4 - 1/2 Mile East
47	USGS40001249051	1/4 - 1/2 Mile SSE
48	USGS40001249184	1/4 - 1/2 Mile ESE
I53	USGS40001249067	1/4 - 1/2 Mile WSW
J54	USGS40001249399	1/2 - 1 Mile East
J55	USGS40001249385	1/2 - 1 Mile East
57	USGS40001249684	1/2 - 1 Mile NNE
L58	USGS40001249354	1/2 - 1 Mile East
K59	USGS40001248931	1/2 - 1 Mile SSE
M67	USGS40001249658	1/2 - 1 Mile NNE
68	USGS40001249628	1/2 - 1 Mile NNW
N69	USGS40001249441	1/2 - 1 Mile ENE
72	USGS40001249517	1/2 - 1 Mile ENE
N73	USGS40001249453	1/2 - 1 Mile ENE
77	USGS40001249066	1/2 - 1 Mile SW
N78	USGS40001249452	1/2 - 1 Mile ENE
79	USGS40001249286	1/2 - 1 Mile East
80	USGS40001249593	1/2 - 1 Mile NW
108	USGS40001249757	1/2 - 1 Mile NNE
R109	USGS40001249601	1/2 - 1 Mile NE
110	USGS40001249480	1/2 - 1 Mile ENE
126	USGS40001249804	1/2 - 1 Mile North
Y144	USGS40001249572	1/2 - 1 Mile WNW
Z145	USGS40001249755	1/2 - 1 Mile NNE
AA147	USGS40001249758	1/2 - 1 Mile NW
AC150	USGS40001249756	1/2 - 1 Mile NE
X151	USGS40001248743	1/2 - 1 Mile South
AA164	USGS40001249728	1/2 - 1 Mile NW
Z165	USGS40001249835	1/2 - 1 Mile NNE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

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

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
B3	WALOG2000042077	1/4 - 1/2 Mile NW
B4	WALOG2000347830	1/4 - 1/2 Mile NW
B5	WALOG2000042076	1/4 - 1/2 Mile NW
B6	WALOG2000042075	1/4 - 1/2 Mile NW
C7	WALOG2000378256	1/4 - 1/2 Mile ESE
C8	WALOG2000378257	1/4 - 1/2 Mile ESE
C9	WALOG2000378258	1/4 - 1/2 Mile ESE
C10	WALOG2000377134	1/4 - 1/2 Mile ESE
C11	WALOG2000377135	1/4 - 1/2 Mile ESE
C12	WALOG2000378255	1/4 - 1/2 Mile ESE
E15	WALOG2000862774	1/4 - 1/2 Mile NNE
E16	WALOG2000038991	1/4 - 1/2 Mile NNE
F17	WALOG2000509075	1/4 - 1/2 Mile ENE
F18	WALOG2000509076	1/4 - 1/2 Mile ENE
F19	WALOG2000509074	1/4 - 1/2 Mile ENE
F20	WALOG2000284876	1/4 - 1/2 Mile ENE
F21	WALOG2000453555	1/4 - 1/2 Mile ENE
F22	WALOG2000544279	1/4 - 1/2 Mile ENE
F23	WALOG2000544280	1/4 - 1/2 Mile ENE
F24	WALOG2000515851	1/4 - 1/2 Mile ENE
F25	WALOG2000515852	1/4 - 1/2 Mile ENE
F26	WALOG2000510397	1/4 - 1/2 Mile ENE
F27	WALOG2000509078	1/4 - 1/2 Mile ENE
F28	WALOG2000509077	1/4 - 1/2 Mile ENE
F29	WALOG2000509080	1/4 - 1/2 Mile ENE
F30	WALOG2000509079	1/4 - 1/2 Mile ENE
D31	WALOG2000377859	1/4 - 1/2 Mile SSW
D32	WALOG2000377858	1/4 - 1/2 Mile SSW
G34	WALOG2000665086	1/4 - 1/2 Mile West
G35	WALOG2000638073	1/4 - 1/2 Mile West
G36	WALOG2000637428	1/4 - 1/2 Mile West
G37	WALOG2000665090	1/4 - 1/2 Mile West
G38	WALOG2000665091	1/4 - 1/2 Mile West
G39	WALOG2000665094	1/4 - 1/2 Mile West
G40	WALOG2000680061	1/4 - 1/2 Mile West
G41	WALOG2000665095	1/4 - 1/2 Mile West
G42	WALOG2000665089	1/4 - 1/2 Mile West
G43	WALOG2000665088	1/4 - 1/2 Mile West
G44	WALOG2000665087	1/4 - 1/2 Mile West
G45	WALOG2000665092	1/4 - 1/2 Mile West
G46	WALOG2000665093	1/4 - 1/2 Mile West
49	WALOG2000041626	1/4 - 1/2 Mile NNW
50	WALOG2000180410	1/4 - 1/2 Mile SE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
H51	WA1200000020594	1/4 - 1/2 Mile WNW
H52	WA1200000020595	1/4 - 1/2 Mile WNW
K56	WA1200000025940	1/2 - 1 Mile SSE
I60	WA1200000025942	1/2 - 1 Mile WSW
M61	WALOG2000205597	1/2 - 1 Mile NE
M62	WALOG2000205596	1/2 - 1 Mile NE
M63	WALOG2000205600	1/2 - 1 Mile NE
M64	WALOG2000205601	1/2 - 1 Mile NE
M65	WALOG2000205598	1/2 - 1 Mile NE
M66	WALOG2000205599	1/2 - 1 Mile NE
L70	WALOG2000043083	1/2 - 1 Mile East
L71	WALOG2000039357	1/2 - 1 Mile East
N74	WALOG2000040718	1/2 - 1 Mile ENE
N75	WALOG2000039261	1/2 - 1 Mile ENE
N76	WA1200000002012	1/2 - 1 Mile ENE
O81	WALOG2000412811	1/2 - 1 Mile ESE
O82	WALOG2000412796	1/2 - 1 Mile ESE
O83	WALOG2000231120	1/2 - 1 Mile ESE
O84	WALOG2000668865	1/2 - 1 Mile ESE
O85	WALOG2000668864	1/2 - 1 Mile ESE
O86	WALOG2000668866	1/2 - 1 Mile ESE
O87	WALOG2000800574	1/2 - 1 Mile ESE
O88	WALOG2000668867	1/2 - 1 Mile ESE
O89	WALOG2000446570	1/2 - 1 Mile ESE
O90	WALOG2000446563	1/2 - 1 Mile ESE
O91	WALOG2000446562	1/2 - 1 Mile ESE
O92	WALOG2000446564	1/2 - 1 Mile ESE
O93	WALOG2000446569	1/2 - 1 Mile ESE
O94	WALOG2000446568	1/2 - 1 Mile ESE
P95	WALOG2000702148	1/2 - 1 Mile North
P96	WALOG2000702149	1/2 - 1 Mile North
Q97	WALOG2000506103	1/2 - 1 Mile West
Q98	WALOG2000506104	1/2 - 1 Mile West
Q99	WALOG2000442531	1/2 - 1 Mile West
Q100	WALOG2000442532	1/2 - 1 Mile West
101	WA1200000011224	1/2 - 1 Mile WNW
R102	WALOG2000206055	1/2 - 1 Mile NE
R103	WALOG2000400151	1/2 - 1 Mile NE
S104	WALOG2000039081	1/2 - 1 Mile NNW
S105	WALOG2000038321	1/2 - 1 Mile NNW
S106	WALOG2000865578	1/2 - 1 Mile NNW
S107	WALOG2000257546	1/2 - 1 Mile NNW
T111	WALOG2000508995	1/2 - 1 Mile NNE
T112	WALOG2000508996	1/2 - 1 Mile NNE
T113	WALOG2000692824	1/2 - 1 Mile NNE
T114	WALOG2000508994	1/2 - 1 Mile NNE
T115	WALOG2000040867	1/2 - 1 Mile NNE
T116	WALOG2000313030	1/2 - 1 Mile NNE
T117	WALOG2000508993	1/2 - 1 Mile NNE
T118	WALOG2000698560	1/2 - 1 Mile NNE
T119	WALOG2000702630	1/2 - 1 Mile NNE
T120	WALOG2000702631	1/2 - 1 Mile NNE

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
T121	WALOG2000698559	1/2 - 1 Mile NNE
T122	WALOG2000692825	1/2 - 1 Mile NNE
T123	WALOG2000698557	1/2 - 1 Mile NNE
T124	WALOG2000698558	1/2 - 1 Mile NNE
125	WALOG2000028655	1/2 - 1 Mile SSE
127	WA1200000029417	1/2 - 1 Mile NE
U128	WALOG2000668871	1/2 - 1 Mile SE
U129	WALOG2000668870	1/2 - 1 Mile SE
U130	WALOG2000668868	1/2 - 1 Mile SE
U131	WALOG2000668869	1/2 - 1 Mile SE
132	WALOG2000317105	1/2 - 1 Mile NNW
V133	WALOG2000040903	1/2 - 1 Mile WNW
V134	WALOG2000039338	1/2 - 1 Mile WNW
W135	WALOG2000499876	1/2 - 1 Mile East
W136	WALOG2000499881	1/2 - 1 Mile East
W137	WALOG2000499880	1/2 - 1 Mile East
W138	WALOG2000499883	1/2 - 1 Mile East
W139	WALOG2000499882	1/2 - 1 Mile East
W140	WALOG2000499877	1/2 - 1 Mile East
W141	WALOG2000499879	1/2 - 1 Mile East
W142	WALOG2000499878	1/2 - 1 Mile East
X143	WALOG2000031972	1/2 - 1 Mile South
Z146	WA1200000012279	1/2 - 1 Mile NNE
AB148	WALOG2000759752	1/2 - 1 Mile WNW
AB149	WALOG2000205086	1/2 - 1 Mile WNW
Y152	WA1200000025938	1/2 - 1 Mile WNW
AC153	WALOG2000339411	1/2 - 1 Mile NE
AC154	WALOG2000339412	1/2 - 1 Mile NE
AC155	WALOG2000048845	1/2 - 1 Mile NE
AC156	WALOG2000043317	1/2 - 1 Mile NE
AC157	WALOG2000044675	1/2 - 1 Mile NE
AC158	WALOG2000339413	1/2 - 1 Mile NE
AC159	WALOG2000622183	1/2 - 1 Mile NE
AC160	WALOG2000622184	1/2 - 1 Mile NE
AC161	WALOG2000622116	1/2 - 1 Mile NE
AC162	WALOG2000339414	1/2 - 1 Mile NE
AC163	WALOG2000622115	1/2 - 1 Mile NE
AD166	WALOG2000205854	1/2 - 1 Mile North
AD167	WALOG2000205855	1/2 - 1 Mile North
AD168	WALOG2000205856	1/2 - 1 Mile North
AD169	WALOG2000205853	1/2 - 1 Mile North
AD170	WALOG2000205850	1/2 - 1 Mile North
AD171	WALOG2000205851	1/2 - 1 Mile North
AD172	WALOG2000205852	1/2 - 1 Mile North
AD173	WALOG2000485136	1/2 - 1 Mile North
AD174	WALOG2000485137	1/2 - 1 Mile North
AD175	WALOG2000485138	1/2 - 1 Mile North
AD176	WALOG2000205857	1/2 - 1 Mile North
AD177	WALOG2000205858	1/2 - 1 Mile North
AD178	WALOG2000485135	1/2 - 1 Mile North
179	WALOG2000038347	1/2 - 1 Mile NW
AE180	WALOG2000780795	1/2 - 1 Mile NNE

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
AE181	WALOG2000780794	1/2 - 1 Mile NNE
AE182	WALOG2000780793	1/2 - 1 Mile NNE
AE183	WALOG2000780796	1/2 - 1 Mile NNE
AE184	WALOG2000780799	1/2 - 1 Mile NNE
AE185	WALOG2000780798	1/2 - 1 Mile NNE
AE186	WALOG2000780797	1/2 - 1 Mile NNE
AE187	WALOG2000780792	1/2 - 1 Mile NNE
AE188	WALOG2000780787	1/2 - 1 Mile NNE
AE189	WALOG2000780786	1/2 - 1 Mile NNE
AE190	WALOG2000780785	1/2 - 1 Mile NNE
AE191	WALOG2000780788	1/2 - 1 Mile NNE
AE192	WALOG2000780791	1/2 - 1 Mile NNE
AE193	WALOG2000780790	1/2 - 1 Mile NNE
AE194	WALOG2000780789	1/2 - 1 Mile NNE
AE195	WALOG2000780810	1/2 - 1 Mile NNE
AE196	WALOG2000780809	1/2 - 1 Mile NNE
AE197	WALOG2000780808	1/2 - 1 Mile NNE
AE198	WALOG2000780811	1/2 - 1 Mile NNE
AE199	WALOG2000780814	1/2 - 1 Mile NNE
AE200	WALOG2000780813	1/2 - 1 Mile NNE
AE201	WALOG2000780812	1/2 - 1 Mile NNE
AE202	WALOG2000780807	1/2 - 1 Mile NNE
AE203	WALOG2000780802	1/2 - 1 Mile NNE
AE204	WALOG2000780801	1/2 - 1 Mile NNE
AE205	WALOG2000780800	1/2 - 1 Mile NNE
AE206	WALOG2000780803	1/2 - 1 Mile NNE
AE207	WALOG2000780806	1/2 - 1 Mile NNE
AE208	WALOG2000780805	1/2 - 1 Mile NNE
AE209	WALOG2000780804	1/2 - 1 Mile NNE
AE210	WALOG2000780784	1/2 - 1 Mile NNE
AE211	WALOG2000757122	1/2 - 1 Mile NNE
AE212	WALOG2000757121	1/2 - 1 Mile NNE
AE213	WALOG2000757120	1/2 - 1 Mile NNE
AE214	WALOG2000757123	1/2 - 1 Mile NNE
AE215	WALOG2000778362	1/2 - 1 Mile NNE
AE216	WALOG2000778361	1/2 - 1 Mile NNE
AE217	WALOG2000778360	1/2 - 1 Mile NNE
AE218	WALOG2000757119	1/2 - 1 Mile NNE
AE219	WALOG2000757074	1/2 - 1 Mile NNE
AE220	WALOG2000618035	1/2 - 1 Mile NNE
AE221	WALOG2000044813	1/2 - 1 Mile NNE
AE222	WALOG2000757075	1/2 - 1 Mile NNE
AE223	WALOG2000757118	1/2 - 1 Mile NNE
AE224	WALOG2000757117	1/2 - 1 Mile NNE
AE225	WALOG2000757116	1/2 - 1 Mile NNE
AE226	WALOG2000780779	1/2 - 1 Mile NNE
AE227	WALOG2000780778	1/2 - 1 Mile NNE
AE228	WALOG2000778371	1/2 - 1 Mile NNE
AE229	WALOG2000780780	1/2 - 1 Mile NNE
AE230	WALOG2000780783	1/2 - 1 Mile NNE
AE231	WALOG2000780782	1/2 - 1 Mile NNE
AE232	WALOG2000780781	1/2 - 1 Mile NNE

STATE DATABASE WELL INFORMATION

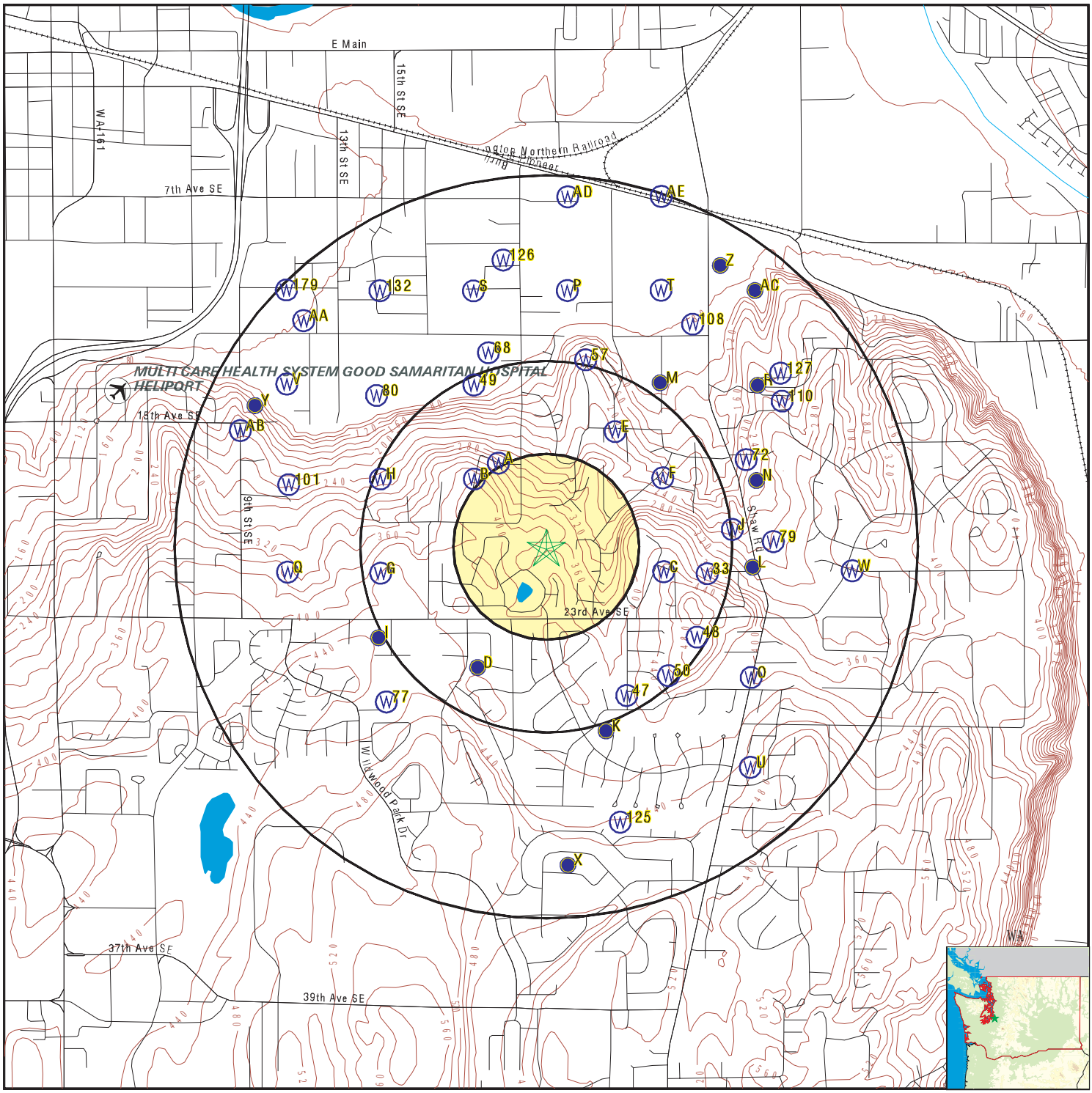
MAP ID	WELL ID	LOCATION FROM TP
AE233	WALOG2000778370	1/2 - 1 Mile NNE
AE234	WALOG2000778365	1/2 - 1 Mile NNE
AE235	WALOG2000778364	1/2 - 1 Mile NNE
AE236	WALOG2000778363	1/2 - 1 Mile NNE
AE237	WALOG2000778366	1/2 - 1 Mile NNE
AE238	WALOG2000778369	1/2 - 1 Mile NNE
AE239	WALOG2000778368	1/2 - 1 Mile NNE
AE240	WALOG2000778367	1/2 - 1 Mile NNE
AE241	WALOG2000837766	1/2 - 1 Mile NNE
AE242	WALOG2000837765	1/2 - 1 Mile NNE
AE243	WALOG2000837764	1/2 - 1 Mile NNE
AE244	WALOG2000837767	1/2 - 1 Mile NNE
AE245	WALOG2000837770	1/2 - 1 Mile NNE
AE246	WALOG2000837769	1/2 - 1 Mile NNE
AE247	WALOG2000837768	1/2 - 1 Mile NNE
AE248	WALOG2000837763	1/2 - 1 Mile NNE
AE249	WALOG2000837758	1/2 - 1 Mile NNE
AE250	WALOG2000837757	1/2 - 1 Mile NNE
AE251	WALOG2000837756	1/2 - 1 Mile NNE
AE252	WALOG2000837759	1/2 - 1 Mile NNE
AE253	WALOG2000837762	1/2 - 1 Mile NNE
AE254	WALOG2000837761	1/2 - 1 Mile NNE
AE255	WALOG2000837760	1/2 - 1 Mile NNE
AE256	WALOG2000837781	1/2 - 1 Mile NNE
AE257	WALOG2000837780	1/2 - 1 Mile NNE
AE258	WALOG2000837779	1/2 - 1 Mile NNE
AE259	WALOG2000837782	1/2 - 1 Mile NNE
AE260	WALOG2000837785	1/2 - 1 Mile NNE
AE261	WALOG2000837784	1/2 - 1 Mile NNE
AE262	WALOG2000837783	1/2 - 1 Mile NNE
AE263	WALOG2000837778	1/2 - 1 Mile NNE
AE264	WALOG2000837773	1/2 - 1 Mile NNE
AE265	WALOG2000837772	1/2 - 1 Mile NNE
AE266	WALOG2000837771	1/2 - 1 Mile NNE
AE267	WALOG2000837774	1/2 - 1 Mile NNE
AE268	WALOG2000837777	1/2 - 1 Mile NNE
AE269	WALOG2000837776	1/2 - 1 Mile NNE
AE270	WALOG2000837775	1/2 - 1 Mile NNE
AE271	WALOG2000780825	1/2 - 1 Mile NNE
AE272	WALOG2000780824	1/2 - 1 Mile NNE
AE273	WALOG2000780823	1/2 - 1 Mile NNE
AE274	WALOG2000780826	1/2 - 1 Mile NNE
AE275	WALOG2000780829	1/2 - 1 Mile NNE
AE276	WALOG2000780828	1/2 - 1 Mile NNE
AE277	WALOG2000780827	1/2 - 1 Mile NNE
AE278	WALOG2000780822	1/2 - 1 Mile NNE
AE279	WALOG2000780817	1/2 - 1 Mile NNE
AE280	WALOG2000780816	1/2 - 1 Mile NNE
AE281	WALOG2000780815	1/2 - 1 Mile NNE
AE282	WALOG2000780818	1/2 - 1 Mile NNE
AE283	WALOG2000780821	1/2 - 1 Mile NNE
AE284	WALOG2000780820	1/2 - 1 Mile NNE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
AE285	WALOG2000780819	1/2 - 1 Mile NNE
AE286	WALOG2000780840	1/2 - 1 Mile NNE
AE287	WALOG2000780839	1/2 - 1 Mile NNE
AE288	WALOG2000780838	1/2 - 1 Mile NNE
AE289	WALOG2000780841	1/2 - 1 Mile NNE
AE290	WALOG2000780844	1/2 - 1 Mile NNE
AE291	WALOG2000780843	1/2 - 1 Mile NNE
AE292	WALOG2000780842	1/2 - 1 Mile NNE
AE293	WALOG2000780837	1/2 - 1 Mile NNE
AE294	WALOG2000780832	1/2 - 1 Mile NNE
AE295	WALOG2000780831	1/2 - 1 Mile NNE
AE296	WALOG2000780830	1/2 - 1 Mile NNE
AE297	WALOG2000780833	1/2 - 1 Mile NNE
AE298	WALOG2000780836	1/2 - 1 Mile NNE
AE299	WALOG2000780835	1/2 - 1 Mile NNE
AE300	WALOG2000780834	1/2 - 1 Mile NNE

PHYSICAL SETTING SOURCE MAP - 7214049.2s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- 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:	Sunset Pointe	CLIENT:	Earth Solutions Northwest
ADDRESS:	2301 23rd St SE Puyallup WA 98372	CONTACT:	Kyler Kelly
		INQUIRY #:	7214049.2s
LAT/LONG:	47.172539 / 122.265431	DATE:	December 29, 2022 3:32 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A1
NNW
1/4 - 1/2 Mile
Lower

FED USGS **USGS40001249455**

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	20N/04E-35M01	Type:	Well
Description:	WELL DESTORYED AUGUST 14, 1991		
HUC:	17110014	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Not Reported
Formation Type:	Unclassified Overburden	Aquifer Type:	Not Reported
Construction Date:	19890425	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	296.5
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1989-05-01
Feet below surface:	200	Feet to sea level:	Not Reported
Note:	Not Reported		

A2
NW
1/4 - 1/2 Mile
Lower

FED USGS **USGS40001249454**

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	20N/04E-35M02	Type:	Well
Description:	Not Reported	HUC:	17110014
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Unclassified Overburden
Aquifer Type:	Not Reported	Construction Date:	19910828
Well Depth:	341	Well Depth Units:	ft
Well Hole Depth:	341	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	2	Level reading date:	1995-06-14
Feet below surface:	257.09	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1991-09-10	Feet below surface:	257
Feet to sea level:	Not Reported	Note:	Not Reported

B3
NW
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG2000042077**

Database:	Ecology Well Logs	Well Log ID:	48389
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	067591	Date Received:	Not Reported
Diameter (in):	8	Casing Depth (ft):	341
Well completion:	10-SEP-91	Well Owner:	JAMES VICTOR
Well Type:	Water	Driller #:	0379
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported

Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

B4
NW
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG2000347830**

Database:	Ecology Well Logs	Well Log ID:	453395
Well Tag #:	APP746	Project Tag #:	Not Reported
Notice of Intent #:	RE01524	Date Received:	15-SEP-06
Diameter (in):	9	Casing Depth (ft):	27
Well completion:	06-JUL-06	Well Owner:	DESERT CREEK LLC
Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

B5
NW
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG2000042076**

Database:	Ecology Well Logs	Well Log ID:	48388
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	024647	Date Received:	Not Reported
Diameter (in):	6	Casing Depth (ft):	296
Well completion:	01-MAY-89	Well Owner:	JAMES VICTOR
Well Type:	Water	Driller #:	0837
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

B6
NW
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG2000042075**

Database:	Ecology Well Logs	Well Log ID:	48387
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	067565	Date Received:	12-DEC-91
Diameter (in):	Not Reported	Casing Depth (ft):	Not Reported
Well completion:	28-AUG-91	Well Owner:	JAMES VICTOR
Well Type:	Water	Driller #:	0379
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C7
ESE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG2000378256**

Database:	Ecology Well Logs	Well Log ID:	496905
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	A128713	Date Received:	12-SEP-07
Diameter (in):	7	Casing Depth (ft):	40
Well completion:	19-SEP-07	Well Owner:	PUYALLUP~ CITY OF | HWA GEOSCIENCES INC
Well Type:	Decommisioning	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

C8
ESE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG2000378257**

Database:	Ecology Well Logs	Well Log ID:	496907
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	S029483	Date Received:	12-SEP-07
Diameter (in):	7	Casing Depth (ft):	30
Well completion:	19-SEP-07	Well Owner:	PUYALLUP~ CITY OF | HWA GEOSCIENCES INC
Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

C9
ESE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG2000378258**

Database:	Ecology Well Logs	Well Log ID:	496909
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	S029483	Date Received:	12-SEP-07
Diameter (in):	7	Casing Depth (ft):	40
Well completion:	19-SEP-07	Well Owner:	PUYALLUP~ CITY OF
Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

C10
ESE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG2000377134**

Database:	Ecology Well Logs	Well Log ID:	495194
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	A128713	Date Received:	12-SEP-07
Diameter (in):	7	Casing Depth (ft):	30

Well completion:	16-AUG-07	Well Owner:	PUYALLUP~ CITY OF | HWA GEOSCIENCES INC
Well Type:	Decommisioning	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

C11
ESE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG2000377135**

Database:	Ecology Well Logs	Well Log ID:	495196
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	S029483	Date Received:	12-SEP-07
Diameter (in):	7	Casing Depth (ft):	30
Well completion:	16-AUG-07	Well Owner:	PUYALLUP~ CITY OF | HWA GEOSCIENCES INC
Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

C12
ESE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG2000378255**

Database:	Ecology Well Logs	Well Log ID:	496903
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	A128713	Date Received:	12-SEP-07
Diameter (in):	7	Casing Depth (ft):	30
Well completion:	19-SEP-07	Well Owner:	PUYALLUP~ CITY OF | HWA GEOSCIENCES INC
Well Type:	Decommisioning	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

D13
SSW
1/4 - 1/2 Mile
Higher

FED USGS **USGS40001249139**

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	19N/04E-02D01	Type:	Well
Description:	Not Reported	HUC:	17110014
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19500413
Well Depth:	280	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D14
SSW
1/4 - 1/2 Mile
Higher

FED USGS **USGS40001249140**

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	19N/04E-02D02	Type:	Well
Description:	Not Reported	HUC:	17110014
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19500101
Well Depth:	351	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1960-04-25
Feet below surface:	330	Feet to sea level:	Not Reported
Note:	Other conditions existed that would affect the measured water level.		

E15
NNE
1/4 - 1/2 Mile
Lower

WA WELLS **WALOG2000862774**

Database:	Ecology Well Logs	Well Log ID:	1915495
Well Tag #:	AEF400	Project Tag #:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	Not Reported
Diameter (in):	0	Casing Depth (ft):	0
Well completion:	Not Reported	Well Owner:	Nelson-Crane Christian School
Well Type:	Water	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	Not Reported

E16
NNE
1/4 - 1/2 Mile
Lower

WA WELLS **WALOG2000038991**

Database:	Ecology Well Logs	Well Log ID:	44885
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	Not Reported
Diameter (in):	8	Casing Depth (ft):	38
Well completion:	21-JUL-47	Well Owner:	C. R. JOHNSON
Well Type:	Water	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

F17
ENE
1/4 - 1/2 Mile
Lower

WA WELLS **WALOG2000509075**

Database:	Ecology Well Logs	Well Log ID:	714851
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	AE12459	Date Received:	31-MAR-11
Diameter (in):	6	Casing Depth (ft):	100
Well completion:	10-MAR-11	Well Owner:	WSDOT | BOART LONGYEAR
Well Type:	Decommisioning	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

F18
ENE
1/4 - 1/2 Mile
Lower

WA WELLS **WALOG2000509076**

Database:	Ecology Well Logs	Well Log ID:	714853
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	AE12459	Date Received:	31-MAR-11
Diameter (in):	6	Casing Depth (ft):	101
Well completion:	10-MAR-11	Well Owner:	WSDOT | BOART LONGYEAR
Well Type:	Decommisioning	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

F19
ENE
1/4 - 1/2 Mile
Lower

WA WELLS **WALOG2000509074**

Database:	Ecology Well Logs	Well Log ID:	714849
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	AE12459	Date Received:	31-MAR-11
Diameter (in):	6	Casing Depth (ft):	90
Well completion:	10-MAR-11	Well Owner:	WSDOT | BOART LONGYEAR
Well Type:	Decommisioning	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

F20
ENE
1/4 - 1/2 Mile
Lower

WA WELLS **WALOG2000284876**

Database:	Ecology Well Logs	Well Log ID:	374752
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	A064234	Date Received:	16-SEP-03
Diameter (in):	6	Casing Depth (ft):	95

Well completion:	11-JUN-03	Well Owner:	CARRIAGE HOUSE INC
Well Type:	Decommisioning	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

F21
ENE
1/4 - 1/2 Mile
Lower

WA WELLS **WALOG2000453555**

Database:	Ecology Well Logs	Well Log ID:	605259
Well Tag #:	BAC427	Project Tag #:	Not Reported
Notice of Intent #:	W210479	Date Received:	23-SEP-09
Diameter (in):	6	Casing Depth (ft):	48
Well completion:	24-JUN-09	Well Owner:	GEORGE DELGADO
Well Type:	Water	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

F22
ENE
1/4 - 1/2 Mile
Lower

WA WELLS **WALOG2000544279**

Database:	Ecology Well Logs	Well Log ID:	783634
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	SE09315	Date Received:	09-JAN-12
Diameter (in):	6	Casing Depth (ft):	90
Well completion:	11-APR-11	Well Owner:	WSDOT | BOART LONGYEAR
Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

F23
ENE
1/4 - 1/2 Mile
Lower

WA WELLS **WALOG2000544280**

Database:	Ecology Well Logs	Well Log ID:	783636
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	AE12459	Date Received:	09-JAN-12
Diameter (in):	6	Casing Depth (ft):	90
Well completion:	07-APR-11	Well Owner:	WSDOT | BOART LONGYEAR
Well Type:	Decommisioning	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

F24
ENE
1/4 - 1/2 Mile
Lower

WA WELLS **WALOG2000515851**

Database:	Ecology Well Logs	Well Log ID:	727969
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	AE12943	Date Received:	23-MAY-11
Diameter (in):	6	Casing Depth (ft):	95
Well completion:	18-APR-11	Well Owner:	WSDOT | BOART LONGYEAR
Well Type:	Decommisioning	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

F25
ENE
1/4 - 1/2 Mile
Lower

WA WELLS **WALOG2000515852**

Database:	Ecology Well Logs	Well Log ID:	727971
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	SE09625	Date Received:	23-MAY-11
Diameter (in):	6	Casing Depth (ft):	95
Well completion:	18-APR-11	Well Owner:	WSDOT | BOART LONGYEAR
Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

F26
ENE
1/4 - 1/2 Mile
Lower

WA WELLS **WALOG2000510397**

Database:	Ecology Well Logs	Well Log ID:	717432
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	AE12459	Date Received:	31-MAR-11
Diameter (in):	6	Casing Depth (ft):	101
Well completion:	10-MAR-11	Well Owner:	WSDOT | BOART LONGYEAR
Well Type:	Decommisioning	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

F27
ENE
1/4 - 1/2 Mile
Lower

WA WELLS **WALOG2000509078**

Database:	Ecology Well Logs	Well Log ID:	714857
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	SE09315	Date Received:	31-MAR-11
Diameter (in):	6	Casing Depth (ft):	101

Well completion:	10-MAR-11	Well Owner:	WSDOT | BOART LONGYEAR
Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

F28
ENE
1/4 - 1/2 Mile
Lower

WA WELLS **WALOG2000509077**

Database:	Ecology Well Logs	Well Log ID:	714855
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	SE09315	Date Received:	31-MAR-11
Diameter (in):	6	Casing Depth (ft):	101
Well completion:	10-MAR-11	Well Owner:	WSDOT | BOART LONGYEAR
Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

F29
ENE
1/4 - 1/2 Mile
Lower

WA WELLS **WALOG2000509080**

Database:	Ecology Well Logs	Well Log ID:	714860
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	SE09315	Date Received:	31-MAR-11
Diameter (in):	6	Casing Depth (ft):	90
Well completion:	10-MAR-11	Well Owner:	WSDOT | BOART LONGYEAR
Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

F30
ENE
1/4 - 1/2 Mile
Lower

WA WELLS **WALOG2000509079**

Database:	Ecology Well Logs	Well Log ID:	714858
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	SE09315	Date Received:	31-MAR-11
Diameter (in):	6	Casing Depth (ft):	100
Well completion:	10-MAR-11	Well Owner:	WSDOT | BOART LONGYEAR
Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D31
SSW
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG2000377859**

Database:	Ecology Well Logs	Well Log ID:	496195
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	S013660	Date Received:	28-AUG-07
Diameter (in):	7	Casing Depth (ft):	11
Well completion:	04-JAN-06	Well Owner:	PUYALLUP SCHOOL DIST
Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

D32
SSW
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG2000377858**

Database:	Ecology Well Logs	Well Log ID:	496193
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	A085668	Date Received:	28-AUG-07
Diameter (in):	7	Casing Depth (ft):	11
Well completion:	04-JAN-06	Well Owner:	PUYALLUP SCHOOL DIST
Well Type:	Decommisioning	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

33
East
1/4 - 1/2 Mile
Higher

FED USGS **USGS40001249386**

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	20N/04E-35R04	Type:	Well
Description:	WELL MAY BE DESTORYED, COULD NOT BE LOCATED		
HUC:	17110014	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Not Reported
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19821201	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	30
Well Hole Depth Units:	ft		

G34
West
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG2000665086**

Database:	Ecology Well Logs	Well Log ID:	1024527
Well Tag #:	Not Reported	Project Tag #:	Not Reported

Notice of Intent #:	SE54985	Date Received:	11-JUN-15
Diameter (in):	9	Casing Depth (ft):	20.5
Well completion:	02-JUN-15	Well Owner:	Stewart
Well Type:	Resource Protection	Driller #:	2823
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Dry Hole	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

G35
West
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG2000638073**

Database:	Ecology Well Logs	Well Log ID:	963948
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	SE53078	Date Received:	20-NOV-14
Diameter (in):	8	Casing Depth (ft):	35
Well completion:	31-OCT-14	Well Owner:	Cty Of Puyallup
Well Type:	Resource Protection	Driller #:	1815
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

G36
West
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG2000637428**

Database:	Ecology Well Logs	Well Log ID:	962266
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	AE29425	Date Received:	20-NOV-14
Diameter (in):	8	Casing Depth (ft):	35
Well completion:	31-OCT-14	Well Owner:	Cty Of Puyallup
Well Type:	Decommisioning	Driller #:	3143
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

G37
West
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG2000665090**

Database:	Ecology Well Logs	Well Log ID:	1024531
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	AE32271	Date Received:	11-JUN-15
Diameter (in):	9	Casing Depth (ft):	21
Well completion:	02-JUN-15	Well Owner:	Stewart
Well Type:	Decommisioning	Driller #:	2823
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Dry Hole	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

G38
West
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG2000665091**

Database:	Ecology Well Logs	Well Log ID:	1024532
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	AE32271	Date Received:	11-JUN-15
Diameter (in):	9	Casing Depth (ft):	21
Well completion:	02-JUN-15	Well Owner:	Stewart
Well Type:	Decommisioning	Driller #:	2823
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Dry Hole	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

G39
West
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG2000665094**

Database:	Ecology Well Logs	Well Log ID:	1024535
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	SE54986	Date Received:	11-JUN-15
Diameter (in):	9	Casing Depth (ft):	21
Well completion:	02-JUN-15	Well Owner:	Thompson Orr
Well Type:	Resource Protection	Driller #:	2823
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Dry Hole	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

G40
West
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG2000680061**

Database:	Ecology Well Logs	Well Log ID:	1069044
Well Tag #:	BHL400	Project Tag #:	Not Reported
Notice of Intent #:	AE32272	Date Received:	05-OCT-15
Diameter (in):	2	Casing Depth (ft):	95
Well completion:	06-JUL-15	Well Owner:	Thompson Orr
Well Type:	Decommisioning	Driller #:	3062
Static Water Level:	82.5	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

G41
West
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG2000665095**

Database:	Ecology Well Logs	Well Log ID:	1024536
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	AE32272	Date Received:	11-JUN-15
Diameter (in):	9	Casing Depth (ft):	21

Well completion:	02-JUN-15	Well Owner:	Thompson Orr
Well Type:	Decommisioning	Driller #:	2823
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Dry Hole	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

G42
West
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG2000665089**

Database:	Ecology Well Logs	Well Log ID:	1024530
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	SE54985	Date Received:	11-JUN-15
Diameter (in):	9	Casing Depth (ft):	21
Well completion:	02-JUN-15	Well Owner:	Stewart
Well Type:	Resource Protection	Driller #:	2823
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Dry Hole	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

G43
West
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG2000665088**

Database:	Ecology Well Logs	Well Log ID:	1024529
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	SE54985	Date Received:	11-JUN-15
Diameter (in):	9	Casing Depth (ft):	21
Well completion:	02-JUN-15	Well Owner:	Stewart
Well Type:	Resource Protection	Driller #:	2823
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Dry Hole	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

G44
West
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG2000665087**

Database:	Ecology Well Logs	Well Log ID:	1024528
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	AE32271	Date Received:	11-JUN-15
Diameter (in):	9	Casing Depth (ft):	20.5
Well completion:	02-JUN-15	Well Owner:	Stewart
Well Type:	Decommisioning	Driller #:	2823
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Dry Hole	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

G45
West
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG2000665092**

Database:	Ecology Well Logs	Well Log ID:	1024533
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	SE54986	Date Received:	11-JUN-15
Diameter (in):	9	Casing Depth (ft):	20.5
Well completion:	02-JUN-15	Well Owner:	Thompson Orr
Well Type:	Resource Protection	Driller #:	2823
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Dry Hole	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

G46
West
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG2000665093**

Database:	Ecology Well Logs	Well Log ID:	1024534
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	AE32272	Date Received:	11-JUN-15
Diameter (in):	9	Casing Depth (ft):	20.5
Well completion:	02-JUN-15	Well Owner:	Thompson Orr
Well Type:	Decommisioning	Driller #:	2823
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Dry Hole	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

47
SSE
1/4 - 1/2 Mile
Higher

FED USGS **USGS40001249051**

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	19N/04E-02F02 UR-34	Type:	Well
Description:	NAWQA DATA ENTRY COM & VER ELINKPEN 06/21/1999		
HUC:	17110014	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Puget Sound aquifer system
Formation Type:	Glacio-Fluviatile	Aquifer Type:	Not Reported
Construction Date:	19960917	Well Depth:	33
Well Depth Units:	ft	Well Hole Depth:	37
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	2	Level reading date:	2004-08-25
Feet below surface:	21.52	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1996-09-17	Feet below surface:	22.0
Feet to sea level:	Not Reported		
Note:	Other conditions existed that would affect the measured water level.		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

48
ESE
1/4 - 1/2 Mile
Higher

FED USGS **USGS40001249184**

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	19N/04E-02B01	Type:	Well
Description:	AKA: NE NE S02 T19N R04E W		
HUC:	17110014	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Not Reported
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	20010103	Well Depth:	193
Well Depth Units:	ft	Well Hole Depth:	193
Well Hole Depth Units:	ft		

49
NNW
1/4 - 1/2 Mile
Lower

WA WELLS **WALOG2000041626**

Database:	Ecology Well Logs	Well Log ID:	47879
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	Not Reported
Diameter (in):	7	Casing Depth (ft):	46
Well completion:	11-OCT-52	Well Owner:	HENRY LELAND
Well Type:	Water	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

50
SE
1/4 - 1/2 Mile
Higher

WA WELLS **WALOG2000180410**

Database:	Ecology Well Logs	Well Log ID:	231589
Well Tag #:	ABS366	Project Tag #:	Not Reported
Notice of Intent #:	R008506	Date Received:	Not Reported
Diameter (in):	Not Reported	Casing Depth (ft):	Not Reported
Well completion:	Not Reported	Well Owner:	PUGET SOUND NAWQA
Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

H51
WNW
1/4 - 1/2 Mile
Lower

WA WELLS **WA1200000020594**

Database:	Water Wells	PWS ID:	59300
Source #:	01	Source Name:	SPRING 1

Source Status:	Inactive	Source Type:	Ground Water - Spring
Source Use:	Permanent	Date Source Effective:	01/01/1970
Date Source Inactive:	03/01/1989	Water Resource Inventory Area:	Puyallup-White
Well Depth:	0	Source Susceptibility:	Not Reported
System Name:	NEWHAVEN W SYSTEM	Public Water System Group:	A
System Type:	TNC	Full Time Res Pop:	0
Total Population Served:	94	Total Connections:	1
PWS Status:	Inactive	Residential Connection:	0
DOE Well Tag:	Not Reported	Capacity (gpm):	65000
Influenced by Droughts:	Not Reported	Influenced by Flooding:	Not Reported
Influenced by Surface Water:	U		

H52
WNW **WA WELLS** **WA1200000020595**
1/4 - 1/2 Mile
Lower

Database:	Water Wells	PWS ID:	59300
Source #:	02	Source Name:	SPRING 2
Source Status:	Inactive	Source Type:	Ground Water - Spring
Source Use:	Permanent	Date Source Effective:	01/01/1970
Date Source Inactive:	03/01/1989	Water Resource Inventory Area:	Puyallup-White
Well Depth:	0	Source Susceptibility:	Not Reported
System Name:	NEWHAVEN W SYSTEM	Public Water System Group:	A
System Type:	TNC	Full Time Res Pop:	0
Total Population Served:	94	Total Connections:	1
PWS Status:	Inactive	Residential Connection:	0
DOE Well Tag:	Not Reported	Capacity (gpm):	65000
Influenced by Droughts:	Not Reported	Influenced by Flooding:	Not Reported
Influenced by Surface Water:	U		

I53
WSW **FED USGS** **USGS40001249067**
1/4 - 1/2 Mile
Higher

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	19N/04E-03A01D1	Type:	Well
Description:	GWSI DATABASE AUGMENTATION SITE		
HUC:	17110014	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Not Reported
Formation Type:	Unclassified Overburden	Aquifer Type:	Not Reported
Construction Date:	19911202	Well Depth:	740
Well Depth Units:	ft	Well Hole Depth:	847
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	3	Level reading date:	1995-08-25
Feet below surface:	400	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1995-07-05	Feet below surface:	Not Reported
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1991-12-02	Feet below surface:	355
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

J54
East
1/2 - 1 Mile
Lower

FED USGS **USGS40001249399**

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	20N/04E-35J02	Type:	Well
Description:	Not Reported	HUC:	17110014
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19530601
Well Depth:	195	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1960-04-12
Feet below surface:	100	Feet to sea level:	Not Reported
Note:	Not Reported		

J55
East
1/2 - 1 Mile
Lower

FED USGS **USGS40001249385**

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	20N/04E-35R03		
Type:	Well: Test hole not completed as a well		
Description:	WELL AT KAELIN TREE FARM	HUC:	17110014
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19821201
Well Depth:	23	Well Depth Units:	ft
Well Hole Depth:	23.5	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1995-06-15
Feet below surface:	5.78	Feet to sea level:	Not Reported
Note:	Not Reported		

K56
SSE
1/2 - 1 Mile
Higher

WA WELLS **WA1200000025940**

Database:	Water Wells	PWS ID:	70050
Source #:	05	Source Name:	WELL #33 (23RD AVE SE) ACA528
Source Status:	Active	Source Type:	Ground Water - Well
Source Use:	Permanent	Date Source Effective:	01/01/1970
Date Source Inactive:	Not Reported	Water Resource Inventory Area:	Puyallup-White
Well Depth:	740	Source Susceptibility:	M
System Name:	PUYALLUP CITY OF	Public Water System Group:	A
System Type:	Comm	Full Time Res Pop:	36326
Total Population Served:	36326	Total Connections:	15537
PWS Status:	Active	Residential Connection:	14559

DOE Well Tag:	Not Reported	Capacity (gpm):	150
Influenced by Droughts:	N	Influenced by Flooding:	N
Influenced by Surface Water:	U		

57
NNE **FED USGS** **USGS40001249684**
1/2 - 1 Mile
Lower

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	20N/04E-35L01	Type:	Well
Description:	Not Reported	HUC:	17110014
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19470701
Well Depth:	38	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1947-07-01
Feet below surface:	Not Reported	Feet to sea level:	Not Reported
Note:	The site was flowing, but the head could not be measured without additional equipment.		

L58
East **FED USGS** **USGS40001249354**
1/2 - 1 Mile
Lower

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	20N/04E-35R01	Type:	Well
Description:	Not Reported	HUC:	17110014
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19570101
Well Depth:	288	Well Depth Units:	ft
Well Hole Depth:	288	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1960-04-18
Feet below surface:	218	Feet to sea level:	Not Reported
Note:	Not Reported		

K59
SSE **FED USGS** **USGS40001248931**
1/2 - 1 Mile
Higher

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	19N/04E-02F01	Type:	Well
Description:	GWSI DATABASE AUGMENTATION SITE		
HUC:	17110014	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Not Reported

Formation Type:	Unclassified Overburden	Aquifer Type:	Not Reported
Construction Date:	19910128	Well Depth:	623
Well Depth Units:	ft	Well Hole Depth:	624
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	2	Level reading date:	1995-07-05
Feet below surface:	322	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1991-05-13	Feet below surface:	301
Feet to sea level:	Not Reported	Note:	Not Reported

I60
WSW
1/2 - 1 Mile
Higher

WA WELLS **WA1200000025942**

Database:	Water Wells	PWS ID:	70050
Source #:	07	Source Name:	CHEROKEE PARK WELL #43
Source Status:	Active	Source Type:	Ground Water - Well
Source Use:	Emergency	Date Source Effective:	11/13/1992
Date Source Inactive:	Not Reported	Water Resource Inventory Area:	Puyallup-White
Well Depth:	623	Source Susceptibility:	L
System Name:	PUYALLUP CITY OF	Public Water System Group:	A
System Type:	Comm	Full Time Res Pop:	36326
Total Population Served:	36326	Total Connections:	15537
PWS Status:	Active	Residential Connection:	14559
DOE Well Tag:	Not Reported	Capacity (gpm):	250
Influenced by Droughts:	N	Influenced by Flooding:	N
Influenced by Surface Water:	U		

M61
NE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000205597**

Database:	Ecology Well Logs	Well Log ID:	276998
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	Not Reported
Diameter (in):	9	Casing Depth (ft):	Not Reported
Well completion:	Not Reported	Well Owner:	SEWER LINE
Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

M62
NE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000205596**

Database:	Ecology Well Logs	Well Log ID:	276997
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	Not Reported
Diameter (in):	9	Casing Depth (ft):	Not Reported
Well completion:	Not Reported	Well Owner:	SEWER LINE

Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

M63
NE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000205600**

Database:	Ecology Well Logs	Well Log ID:	277001
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	Not Reported
Diameter (in):	9	Casing Depth (ft):	Not Reported
Well completion:	Not Reported	Well Owner:	SEWER LINE
Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

M64
NE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000205601**

Database:	Ecology Well Logs	Well Log ID:	277002
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	Not Reported
Diameter (in):	9	Casing Depth (ft):	Not Reported
Well completion:	Not Reported	Well Owner:	SEWER LINE
Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

M65
NE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000205598**

Database:	Ecology Well Logs	Well Log ID:	276999
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	Not Reported
Diameter (in):	9	Casing Depth (ft):	Not Reported
Well completion:	Not Reported	Well Owner:	SEWER LINE
Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

M66
NE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000205599**

Database:	Ecology Well Logs	Well Log ID:	277000
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	Not Reported
Diameter (in):	9	Casing Depth (ft):	Not Reported
Well completion:	Not Reported	Well Owner:	SEWER LINE
Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

M67
NNE
1/2 - 1 Mile
Lower

FED USGS **USGS40001249658**

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	20N/04E-35H01		
Type:	Well: Test hole not completed as a well		
Description:	Not Reported	HUC:	17110014
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19821201
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	12	Well Hole Depth Units:	ft

68
NNW
1/2 - 1 Mile
Lower

FED USGS **USGS40001249628**

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	20N/04E-35E01	Type:	Well
Description:	Not Reported	HUC:	17110019
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19521011
Well Depth:	46	Well Depth Units:	ft
Well Hole Depth:	46	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	28	Level reading date:	1997-05-13
Feet below surface:	1.50	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1997-03-11	Feet below surface:	0.62
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1997-01-13	Feet below surface:	1.05
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-11-21	Feet below surface:	1.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-09-16	Feet below surface:	3.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-07-17	Feet below surface:	3.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-05-15	Feet below surface:	1.04
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-03-04	Feet below surface:	1.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-01-12	Feet below surface:	1.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-11-20	Feet below surface:	1.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-09-07	Feet below surface:	3.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-07-20	Feet below surface:	3.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-05-31	Feet below surface:	2.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-10-29	Feet below surface:	1.41
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-10-08	Feet below surface:	2.76
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-09-25	Feet below surface:	2.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-09-10	Feet below surface:	2.69
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-08-27	Feet below surface:	3.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-08-13	Feet below surface:	2.83
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-07-30	Feet below surface:	2.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-07-16	Feet below surface:	2.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-07-09	Feet below surface:	2.77
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-07-02	Feet below surface:	2.53
Feet to sea level:	Not Reported	Note:	The site had been pumped recently.

Level reading date:	1985-06-25	Feet below surface:	2.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-06-18	Feet below surface:	1.79
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-06-11	Feet below surface:	1.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-05-30	Feet below surface:	1.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-10-11	Feet below surface:	6
Feet to sea level:	Not Reported	Note:	Not Reported

N69
ENE **FED USGS** **USGS40001249441**
1/2 - 1 Mile
Lower

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	20N/04E-35J01	Type:	Well
Description:	Not Reported	HUC:	17110014
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19530501
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1953-05-01
Feet below surface:	23	Feet to sea level:	Not Reported
Note:	Not Reported		

L70
East **WA WELLS** **WALOG2000043083**
1/2 - 1 Mile
Lower

Database:	Ecology Well Logs	Well Log ID:	49493
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	Not Reported
Diameter (in):	6	Casing Depth (ft):	218
Well completion:	07-MAY-79	Well Owner:	KERMIT ZIEMKE
Well Type:	Water	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

L71
East **WA WELLS** **WALOG2000039357**
1/2 - 1 Mile
Lower

Database:	Ecology Well Logs	Well Log ID:	45323
Well Tag #:	Not Reported	Project Tag #:	Not Reported

Notice of Intent #:	W065383	Date Received:	Not Reported
Diameter (in):	6	Casing Depth (ft):	400
Well completion:	10-JUL-96	Well Owner:	CJ CORTEST
Well Type:	Water	Driller #:	0097
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

72
ENE **FED USGS** **USGS40001249517**
1/2 - 1 Mile
Lower

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	20N/04E-35J04	Type:	Well
Description:	Not Reported	HUC:	17110014
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19760617
Well Depth:	111	Well Depth Units:	ft
Well Hole Depth:	111	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1976-08-10
Feet below surface:	59	Feet to sea level:	Not Reported
Note:	Not Reported		

N73
ENE **FED USGS** **USGS40001249453**
1/2 - 1 Mile
Lower

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	20N/04E-35J05	Type:	Well
Description:	Not Reported	HUC:	17110014
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19800619
Well Depth:	258	Well Depth Units:	ft
Well Hole Depth:	260	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1980-06-19
Feet below surface:	182	Feet to sea level:	Not Reported
Note:	Not Reported		

N74
ENE **WA WELLS** **WALOG2000040718**
1/2 - 1 Mile
Lower

Database:	Ecology Well Logs	Well Log ID:	46863
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	Not Reported

Diameter (in):	6	Casing Depth (ft):	258
Well completion:	19-JUN-80	Well Owner:	FLOYD KENNEDY
Well Type:	Water	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

N75
ENE **WA WELLS** **WALOG2000039261**
1/2 - 1 Mile
Lower

Database:	Ecology Well Logs	Well Log ID:	45206
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	Not Reported
Diameter (in):	6	Casing Depth (ft):	111
Well completion:	17-JUN-76	Well Owner:	CHRIS BARRY
Well Type:	Water	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

N76
ENE **WA WELLS** **WA1200000002012**
1/2 - 1 Mile
Lower

Database:	Water Wells	PWS ID:	11919
Source #:	01	Source Name:	WELL
Source Status:	Inactive	Source Type:	Ground Water - Well
Source Use:	Permanent	Date Source Effective:	01/01/1970
Date Source Inactive:	02/04/1998	Water Resource Inventory Area:	Puyallup-White
Well Depth:	175	Source Susceptibility:	Not Reported
System Name:	PETERSON WATER SYSTEM	Public Water System Group:	B
System Type:	GRPB	Full Time Res Pop:	5
Total Population Served:	5	Total Connections:	2
PWS Status:	Inactive	Residential Connection:	2
DOE Well Tag:	Not Reported	Capacity (gpm):	18
Influenced by Droughts:	Not Reported	Influenced by Flooding:	Not Reported
Influenced by Surface Water:	U		

77
SW **FED USGS** **USGS40001249066**
1/2 - 1 Mile
Higher

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	19N/04E-03A01	Type:	Well
Description:	Not Reported	HUC:	17110014
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19640109
Well Depth:	825	Well Depth Units:	ft
Well Hole Depth:	847	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1964-01-09
Feet below surface:	350	Feet to sea level:	Not Reported
Note:	Other conditions existed that would affect the measured water level.		

N78
ENE **FED USGS** **USGS40001249452**
1/2 - 1 Mile
Lower

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	20N/04E-35J03	Type:	Well
Description:	Not Reported	HUC:	17110014
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19410101
Well Depth:	85	Well Depth Units:	ft
Well Hole Depth:	85	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1960-05-16
Feet below surface:	25	Feet to sea level:	Not Reported
Note:	Not Reported		

79
East **FED USGS** **USGS40001249286**
1/2 - 1 Mile
Lower

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	20N/04E-35R02	Type:	Well
Description:	Not Reported	HUC:	17110014
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19790504
Well Depth:	218	Well Depth Units:	ft
Well Hole Depth:	220	Well Hole Depth Units:	ft

80
NW **FED USGS** **USGS40001249593**
1/2 - 1 Mile
Lower

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	20N/04E-34H01	Type:	Well
Description:	Not Reported	HUC:	17110014
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19520101
Well Depth:	105	Well Depth Units:	ft
Well Hole Depth:	105	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	2	Level reading date:	1985-05-17
Feet below surface:	Not Reported	Feet to sea level:	Not Reported
Note:	The site was flowing, but the head could not be measured without additional equipment.		
Level reading date:	1960-04-12	Feet below surface:	Not Reported
Feet to sea level:	Not Reported		
Note:	The site was flowing, but the head could not be measured without additional equipment.		

O81
ESE
1/2 - 1 Mile
Higher

WA WELLS **WALOG2000412811**

Database:	Ecology Well Logs	Well Log ID:	545894
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	AE03167	Date Received:	24-JUN-08
Diameter (in):	6	Casing Depth (ft):	30
Well completion:	29-APR-08	Well Owner:	DENNIS SMITH
Well Type:	Decommisioning	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

O82
ESE
1/2 - 1 Mile
Higher

WA WELLS **WALOG2000412796**

Database:	Ecology Well Logs	Well Log ID:	545877
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	SE02321	Date Received:	24-JUN-08
Diameter (in):	6	Casing Depth (ft):	30
Well completion:	29-APR-08	Well Owner:	DENNIS SMITH
Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

O83
ESE
1/2 - 1 Mile
Higher

WA WELLS **WALOG2000231120**

Database:	Ecology Well Logs	Well Log ID:	313528
Well Tag #:	AFP291	Project Tag #:	Not Reported
Notice of Intent #:	W121949	Date Received:	21-JUN-01
Diameter (in):	6	Casing Depth (ft):	193
Well completion:	03-JAN-01	Well Owner:	AL SULLIVAN
Well Type:	Water	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O84
ESE
1/2 - 1 Mile
Higher

WA WELLS **WALOG2000668865**

Database:	Ecology Well Logs	Well Log ID:	1032614
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	SE55235	Date Received:	17-JUL-15
Diameter (in):	5	Casing Depth (ft):	30
Well completion:	30-JUN-15	Well Owner:	City Of Puyallup
Well Type:	Resource Protection	Driller #:	1816
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Dry Hole	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

O85
ESE
1/2 - 1 Mile
Higher

WA WELLS **WALOG2000668864**

Database:	Ecology Well Logs	Well Log ID:	1032613
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	SE55235	Date Received:	17-JUL-15
Diameter (in):	5	Casing Depth (ft):	30
Well completion:	30-JUN-15	Well Owner:	City Of Puyallup
Well Type:	Resource Protection	Driller #:	1816
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Dry Hole	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

O86
ESE
1/2 - 1 Mile
Higher

WA WELLS **WALOG2000668866**

Database:	Ecology Well Logs	Well Log ID:	1032615
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	AE32694	Date Received:	17-JUL-15
Diameter (in):	5	Casing Depth (ft):	30
Well completion:	30-JUN-15	Well Owner:	City Of Puyallup
Well Type:	Decommisioning	Driller #:	1816
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Dry Hole	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

O87
ESE
1/2 - 1 Mile
Higher

WA WELLS **WALOG2000800574**

Database:	Ecology Well Logs	Well Log ID:	1721461
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	AE47545	Date Received:	29-MAY-18
Diameter (in):	6	Casing Depth (ft):	193

Well completion:	19-MAR-18	Well Owner:	SULLYS GLEN LLC
Well Type:	Decommisioning	Driller #:	2081
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Applicable	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

O88
ESE
1/2 - 1 Mile
Higher

WA WELLS **WALOG2000668867**

Database:	Ecology Well Logs	Well Log ID:	1032616
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	AE32694	Date Received:	17-JUL-15
Diameter (in):	5	Casing Depth (ft):	30
Well completion:	30-JUN-15	Well Owner:	City Of Puyallup
Well Type:	Decommisioning	Driller #:	1816
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Dry Hole	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

O89
ESE
1/2 - 1 Mile
Higher

WA WELLS **WALOG2000446570**

Database:	Ecology Well Logs	Well Log ID:	592169
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	AE06035	Date Received:	02-JUL-09
Diameter (in):	6	Casing Depth (ft):	20
Well completion:	22-MAY-09	Well Owner:	Dennis Smith
Well Type:	Decommisioning	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

O90
ESE
1/2 - 1 Mile
Higher

WA WELLS **WALOG2000446563**

Database:	Ecology Well Logs	Well Log ID:	592156
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	SE04667	Date Received:	02-JUL-09
Diameter (in):	6	Casing Depth (ft):	20
Well completion:	22-MAY-09	Well Owner:	Dennis Smith
Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
O91 **ESE** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG2000446562**

Database:	Ecology Well Logs	Well Log ID:	592154
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	SE04667	Date Received:	02-JUL-09
Diameter (in):	6	Casing Depth (ft):	7.5
Well completion:	22-MAY-09	Well Owner:	Dennis Smith
Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

	Database	EDR ID Number
O92 **ESE** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG2000446564**

Database:	Ecology Well Logs	Well Log ID:	592158
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	SE04667	Date Received:	02-JUL-09
Diameter (in):	6	Casing Depth (ft):	20
Well completion:	22-MAY-09	Well Owner:	Dennis Smith
Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

	Database	EDR ID Number
O93 **ESE** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG2000446569**

Database:	Ecology Well Logs	Well Log ID:	592167
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	AE06035	Date Received:	02-JUL-09
Diameter (in):	6	Casing Depth (ft):	20
Well completion:	22-MAY-09	Well Owner:	Dennis Smith
Well Type:	Decommisioning	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

	Database	EDR ID Number
O94 **ESE** **1/2 - 1 Mile** **Higher**	**WA WELLS**	**WALOG2000446568**

Database:	Ecology Well Logs	Well Log ID:	592165
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	AE06035	Date Received:	02-JUL-09
Diameter (in):	6	Casing Depth (ft):	7.5

Well completion:	22-MAY-09	Well Owner:	Dennis Smith
Well Type:	Decommisioning	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

P95
North
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000702148**

Database:	Ecology Well Logs	Well Log ID:	1555845
Well Tag #:	Not Reported	Project Tag #:	B1
Notice of Intent #:	SE57835	Date Received:	12-APR-16
Diameter (in):	9	Casing Depth (ft):	46.5
Well completion:	25-MAR-16	Well Owner:	CASCADE CHRISTIAN SCHOOLS
Well Type:	Resource Protection	Driller #:	2671
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

P96
North
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000702149**

Database:	Ecology Well Logs	Well Log ID:	1555846
Well Tag #:	Not Reported	Project Tag #:	B1
Notice of Intent #:	AE36600	Date Received:	12-APR-16
Diameter (in):	9	Casing Depth (ft):	46.5
Well completion:	25-MAR-16	Well Owner:	CASCADE CHRISTIAN SCHOOLS
Well Type:	Decommisioning	Driller #:	2671
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

Q97
West
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000506103**

Database:	Ecology Well Logs	Well Log ID:	709214
Well Tag #:	BAK181	Project Tag #:	Not Reported
Notice of Intent #:	AE04488	Date Received:	28-FEB-11
Diameter (in):	Not Reported	Casing Depth (ft):	Not Reported
Well completion:	26-NOV-08	Well Owner:	CHET SIDHU
Well Type:	Decommisioning	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

Q98
West
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000506104**

Database:	Ecology Well Logs	Well Log ID:	709216
Well Tag #:	BAK182	Project Tag #:	Not Reported
Notice of Intent #:	AE04488	Date Received:	28-FEB-11
Diameter (in):	Not Reported	Casing Depth (ft):	Not Reported
Well completion:	26-NOV-08	Well Owner:	CHET SIDHU
Well Type:	Decommisioning	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

Q99
West
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000442531**

Database:	Ecology Well Logs	Well Log ID:	584958
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	DE00829	Date Received:	07-NOV-08
Diameter (in):	30	Casing Depth (ft):	23
Well completion:	27-OCT-08	Well Owner:	CHET SIDHU
Well Type:	Water	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

Q100
West
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000442532**

Database:	Ecology Well Logs	Well Log ID:	584960
Well Tag #:	BAK181	Project Tag #:	Not Reported
Notice of Intent #:	DE00829	Date Received:	07-NOV-08
Diameter (in):	30	Casing Depth (ft):	23
Well completion:	27-OCT-08	Well Owner:	CHET SIDHU
Well Type:	Water	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

101
WNW
1/2 - 1 Mile
Lower

WA WELLS **WA1200000011224**

Database:	Water Wells	PWS ID:	85825
Source #:	01	Source Name:	UNKNOWN SOURCE - HISTORICAL DATA
Source Status:	Inactive	Source Type:	Other
Source Use:	Permanent	Date Source Effective:	01/01/1970

Date Source Inactive:	07/01/1980	Water Resource Inventory Area:	Puyallup-White
Well Depth:	0	Source Susceptibility:	Not Reported
System Name:	SUNRISE HOUSE NEWHAVEN NURSING HOM		
Public Water System Group:	A	System Type:	Comm
Full Time Res Pop:	50	Total Population Served:	50
Total Connections:	0	PWS Status:	Inactive
Residential Connection:	0	DOE Well Tag:	Not Reported
Capacity (gpm):	1	Influenced by Droughts:	Not Reported
Influenced by Flooding:	Not Reported	Influenced by Surface Water:	Not Reported

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R102
NE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000206055**

Database:	Ecology Well Logs	Well Log ID:	277503
Well Tag #:	AFB329	Project Tag #:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	Not Reported
Diameter (in):	6	Casing Depth (ft):	103
Well completion:	Not Reported	Well Owner:	RICHARD HESHELTIMS
Well Type:	Water	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

R103
NE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000400151**

Database:	Ecology Well Logs	Well Log ID:	527986
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	A121954	Date Received:	22-APR-08
Diameter (in):	6	Casing Depth (ft):	255
Well completion:	22-MAY-07	Well Owner:	PARKER PACIFIC
Well Type:	Decommisioning	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

S104
NNW
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000039081**

Database:	Ecology Well Logs	Well Log ID:	44998
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	021115	Date Received:	Not Reported
Diameter (in):	10	Casing Depth (ft):	20
Well completion:	07-JUN-96	Well Owner:	CASCADE CHRISTIAN SCHOOL
Well Type:	Water	Driller #:	2066
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

S105
NNW
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000038321**

Database:	Ecology Well Logs	Well Log ID:	44133
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	Not Reported
Diameter (in):	8	Casing Depth (ft):	162
Well completion:	Not Reported	Well Owner:	ARTHUR SANDBERG
Well Type:	Water	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

S106
NNW
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000865578**

Database:	Ecology Well Logs	Well Log ID:	1918315
Well Tag #:	BLR956	Project Tag #:	Not Reported
Notice of Intent #:	AE55598	Date Received:	06-SEP-19
Diameter (in):	2	Casing Depth (ft):	15
Well completion:	27-JUN-19	Well Owner:	Sager Family Homes
Well Type:	Decommisioning	Driller #:	3166
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

S107
NNW
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000257546**

Database:	Ecology Well Logs	Well Log ID:	342948
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	A063558	Date Received:	11-SEP-02
Diameter (in):	48	Casing Depth (ft):	10.5
Well completion:	16-AUG-02	Well Owner:	GIENGER DEVELOPMENT
Well Type:	Decommisioning	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

108
NNE
1/2 - 1 Mile
Lower

FED USGS **USGS40001249757**

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	20N/04E-35B01	Type:	Well
Description:	WELL DESTORYED FOR SCHOOL PLAYFIELD AND BUILDINGS		

HUC:	17110014	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Not Reported
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19520701	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1952-10-09
Feet below surface:	8	Feet to sea level:	Not Reported
Note:	Not Reported		

R109
NE
1/2 - 1 Mile
Lower

FED USGS **USGS40001249601**

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	20N/04E-35H03	Type:	Well
Description:	GWSI DATABASE AUGMENTATION SITE		
HUC:	17110014	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Not Reported
Formation Type:	Unclassified Overburden	Aquifer Type:	Not Reported
Construction Date:	19931201	Well Depth:	103
Well Depth Units:	ft	Well Hole Depth:	103
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1993-12-02
Feet below surface:	70	Feet to sea level:	Not Reported
Note:	Not Reported		

110
ENE
1/2 - 1 Mile
Lower

FED USGS **USGS40001249480**

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	20N/04E-35H04	Type:	Well
Description:	AKA: NE SE S36 T20N R04E W & 20N/04E-36J06		
HUC:	17110014	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Not Reported
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19790507	Well Depth:	250
Well Depth Units:	ft	Well Hole Depth:	250
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1979-05-30
Feet below surface:	150	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

T111
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000508995**

Database:	Ecology Well Logs	Well Log ID:	714700
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	SE09146	Date Received:	15-MAR-11
Diameter (in):	8	Casing Depth (ft):	45
Well completion:	18-FEB-11	Well Owner:	City of Puyallup | Geo Engineers
Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

T112
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000508996**

Database:	Ecology Well Logs	Well Log ID:	714702
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	SE09146	Date Received:	15-MAR-11
Diameter (in):	8	Casing Depth (ft):	35
Well completion:	18-FEB-11	Well Owner:	City of Puyallup | Geo Engineers
Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

T113
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000692824**

Database:	Ecology Well Logs	Well Log ID:	1344011
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	SE57065	Date Received:	27-JAN-16
Diameter (in):	9	Casing Depth (ft):	81.5
Well completion:	16-JAN-16	Well Owner:	Puyallup School District
Well Type:	Resource Protection	Driller #:	3119
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

T114
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000508994**

Database:	Ecology Well Logs	Well Log ID:	714698
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	AE12167	Date Received:	15-MAR-11
Diameter (in):	8	Casing Depth (ft):	35

Well completion:	18-FEB-11	Well Owner:	City of puyallup | Geo Engineers
Well Type:	Decommisioning	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

T115
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000040867**

Database:	Ecology Well Logs	Well Log ID:	47029
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	Not Reported
Diameter (in):	2	Casing Depth (ft):	22
Well completion:	09-OCT-52	Well Owner:	FRED MINCKLER
Well Type:	Water	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

T116
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000313030**

Database:	Ecology Well Logs	Well Log ID:	405569
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	S002920	Date Received:	22-APR-05
Diameter (in):	Not Reported	Casing Depth (ft):	Not Reported
Well completion:	25-MAR-05	Well Owner:	GEOENGINEERS
Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

T117
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000508993**

Database:	Ecology Well Logs	Well Log ID:	714697
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	AE12167	Date Received:	15-MAR-11
Diameter (in):	8	Casing Depth (ft):	45
Well completion:	18-FEB-11	Well Owner:	City of puyallup | Geo Engineers
Well Type:	Decommisioning	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

T118
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000698560**

Database:	Ecology Well Logs	Well Log ID:	1537147
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	AE36479	Date Received:	17-MAR-16
Diameter (in):	1.5	Casing Depth (ft):	40.5
Well completion:	17-MAR-16	Well Owner:	Puyallup School District
Well Type:	Decommisioning	Driller #:	2735
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

T119
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000702630**

Database:	Ecology Well Logs	Well Log ID:	1556327
Well Tag #:	Not Reported	Project Tag #:	B1
Notice of Intent #:	SE57853	Date Received:	01-APR-16
Diameter (in):	9	Casing Depth (ft):	66.5
Well completion:	28-MAR-16	Well Owner:	Puyallup School District
Well Type:	Resource Protection	Driller #:	3146
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

T120
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000702631**

Database:	Ecology Well Logs	Well Log ID:	1556328
Well Tag #:	Not Reported	Project Tag #:	B1
Notice of Intent #:	AE36629	Date Received:	01-APR-16
Diameter (in):	9	Casing Depth (ft):	66.5
Well completion:	28-MAR-16	Well Owner:	Puyallup School District
Well Type:	Decommisioning	Driller #:	3146
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

T121
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000698559**

Database:	Ecology Well Logs	Well Log ID:	1537146
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	SE57757	Date Received:	17-MAR-16
Diameter (in):	1.5	Casing Depth (ft):	40.5

Well completion:	17-MAR-16	Well Owner:	Puyallup School District
Well Type:	Resource Protection	Driller #:	2735
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

T122
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000692825**

Database:	Ecology Well Logs	Well Log ID:	1344012
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	AE35522	Date Received:	27-JAN-16
Diameter (in):	9	Casing Depth (ft):	81.5
Well completion:	16-JAN-16	Well Owner:	Puyallup School District
Well Type:	Decommisioning	Driller #:	3119
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

T123
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000698557**

Database:	Ecology Well Logs	Well Log ID:	1537144
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	SE57757	Date Received:	17-MAR-16
Diameter (in):	1.5	Casing Depth (ft):	40.9166679382324
Well completion:	17-MAR-16	Well Owner:	Puyallup School District
Well Type:	Resource Protection	Driller #:	2735
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

T124
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000698558**

Database:	Ecology Well Logs	Well Log ID:	1537145
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	AE36479	Date Received:	17-MAR-16
Diameter (in):	1.5	Casing Depth (ft):	40.9166679382324
Well completion:	17-MAR-16	Well Owner:	Puyallup School District
Well Type:	Decommisioning	Driller #:	2735
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

125
SSE | **WA WELLS** | **WALOG2000028655**
1/2 - 1 Mile
Higher

Database:	Ecology Well Logs	Well Log ID:	32810
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	Not Reported
Diameter (in):	6	Casing Depth (ft):	114
Well completion:	07-DEC-69	Well Owner:	A. C. CRAVER
Well Type:	Water	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

126
North | **FED USGS** | **USGS40001249804**
1/2 - 1 Mile
Lower

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	20N/04E-35D01	Type:	Well
Description:	WELL DESTORYED, NEW SUBDIVISION		
HUC:	17110014	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Not Reported
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19540915	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	3	Level reading date:	1985-05-17
Feet below surface:	5.42	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1960-04-12	Feet below surface:	4.16
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1954-09-15	Feet below surface:	5
Feet to sea level:	Not Reported	Note:	Not Reported

127
NE | **WA WELLS** | **WA1200000029417**
1/2 - 1 Mile
Lower

Database:	Water Wells	PWS ID:	21350
Source #:	01	Source Name:	SPRING
Source Status:	Active	Source Type:	Surface
Source Use:	Permanent	Date Source Effective:	01/01/1970
Date Source Inactive:	Not Reported	Water Resource Inventory Area:	Puyallup-White
Well Depth:	0	Source Susceptibility:	H
System Name:	EAST PIONEER WATER SYSTEM	Public Water System Group:	B
System Type:	GRPB	Full Time Res Pop:	20
Total Population Served:	20	Total Connections:	10

PWS Status:	Active	Residential Connection:	10
DOE Well Tag:	Not Reported	Capacity (gpm):	0
Influenced by Droughts:	Not Reported	Influenced by Flooding:	Not Reported
Influenced by Surface Water:	Not Reported		

U128
SE
1/2 - 1 Mile
Higher

WA WELLS **WALOG2000668871**

Database:	Ecology Well Logs	Well Log ID:	1032620
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	AE32695	Date Received:	17-JUL-15
Diameter (in):	5	Casing Depth (ft):	30
Well completion:	30-JUN-15	Well Owner:	City Of Puyallup
Well Type:	Decommisioning	Driller #:	1816
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Dry Hole	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

U129
SE
1/2 - 1 Mile
Higher

WA WELLS **WALOG2000668870**

Database:	Ecology Well Logs	Well Log ID:	1032619
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	AE32695	Date Received:	17-JUL-15
Diameter (in):	5	Casing Depth (ft):	30
Well completion:	30-JUN-15	Well Owner:	City Of Puyallup
Well Type:	Decommisioning	Driller #:	1816
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Dry Hole	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

U130
SE
1/2 - 1 Mile
Higher

WA WELLS **WALOG2000668868**

Database:	Ecology Well Logs	Well Log ID:	1032617
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	SE55236	Date Received:	17-JUL-15
Diameter (in):	5	Casing Depth (ft):	30
Well completion:	30-JUN-15	Well Owner:	City Of Puyallup
Well Type:	Resource Protection	Driller #:	1816
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Dry Hole	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

U131
SE
1/2 - 1 Mile
Higher

WA WELLS **WALOG2000668869**

Database:	Ecology Well Logs	Well Log ID:	1032618
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	SE55236	Date Received:	17-JUL-15
Diameter (in):	5	Casing Depth (ft):	30
Well completion:	30-JUN-15	Well Owner:	City Of Puyallup
Well Type:	Resource Protection	Driller #:	1816
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Dry Hole	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

132
NNW
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000317105**

Database:	Ecology Well Logs	Well Log ID:	410362
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	S024252	Date Received:	26-MAY-05
Diameter (in):	Not Reported	Casing Depth (ft):	50
Well completion:	03-MAY-05	Well Owner:	ESRA INC
Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

V133
WNW
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000040903**

Database:	Ecology Well Logs	Well Log ID:	47065
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	A000361	Date Received:	08-AUG-94
Diameter (in):	9	Casing Depth (ft):	Not Reported
Well completion:	Not Reported	Well Owner:	FREEMAN
Well Type:	Decommisioning	Driller #:	1229
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

V134
WNW
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000039338**

Database:	Ecology Well Logs	Well Log ID:	45297
Well Tag #:	AEF202	Project Tag #:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	Not Reported
Diameter (in):	16	Casing Depth (ft):	573

Well completion:	21-MAY-62	Well Owner:	CITY OF PUYALLUP, WASH.
Well Type:	Water	Driller #:	Not Reported
Static Water Level:	31	Flow Rate (gpm):	510
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

W135
East
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000499876**

Database:	Ecology Well Logs	Well Log ID:	697269
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	AE11038	Date Received:	06-JAN-11
Diameter (in):	8	Casing Depth (ft):	15
Well completion:	18-OCT-10	Well Owner:	Union Bank
Well Type:	Decommisioning	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

W136
East
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000499881**

Database:	Ecology Well Logs	Well Log ID:	697279
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	SE08369	Date Received:	06-JAN-11
Diameter (in):	8	Casing Depth (ft):	15
Well completion:	18-OCT-10	Well Owner:	Union Bank
Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

W137
East
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000499880**

Database:	Ecology Well Logs	Well Log ID:	697277
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	SE08369	Date Received:	06-JAN-11
Diameter (in):	8	Casing Depth (ft):	15
Well completion:	18-OCT-10	Well Owner:	Union Bank
Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

W138
East
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000499883**

Database:	Ecology Well Logs	Well Log ID:	697283
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	SE08369	Date Received:	06-JAN-11
Diameter (in):	8	Casing Depth (ft):	15
Well completion:	18-OCT-10	Well Owner:	Union Bank
Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

W139
East
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000499882**

Database:	Ecology Well Logs	Well Log ID:	697281
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	SE08369	Date Received:	06-JAN-11
Diameter (in):	8	Casing Depth (ft):	21
Well completion:	18-OCT-10	Well Owner:	Union Bank
Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

W140
East
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000499877**

Database:	Ecology Well Logs	Well Log ID:	697271
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	AE11038	Date Received:	06-JAN-11
Diameter (in):	8	Casing Depth (ft):	15
Well completion:	18-OCT-10	Well Owner:	Union Bank
Well Type:	Decommisioning	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

W141
East
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000499879**

Database:	Ecology Well Logs	Well Log ID:	697275
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	AE11038	Date Received:	06-JAN-11
Diameter (in):	8	Casing Depth (ft):	15

Well completion:	18-OCT-10	Well Owner:	Union Bank
Well Type:	Decommisioning	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

W142
East
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000499878**

Database:	Ecology Well Logs	Well Log ID:	697273
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	AE11038	Date Received:	06-JAN-11
Diameter (in):	8	Casing Depth (ft):	21
Well completion:	18-OCT-10	Well Owner:	Union Bank
Well Type:	Decommisioning	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

X143
South
1/2 - 1 Mile
Higher

WA WELLS **WALOG2000031972**

Database:	Ecology Well Logs	Well Log ID:	36676
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	067611	Date Received:	27-DEC-91
Diameter (in):	6	Casing Depth (ft):	77
Well completion:	18-DEC-91	Well Owner:	JERRY COWAN
Well Type:	Water	Driller #:	1983
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

Y144
WNW
1/2 - 1 Mile
Lower

FED USGS **USGS40001249572**

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	20N/04E-34G01	Type:	Well
Description:	Not Reported	HUC:	17110019
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19620521
Well Depth:	273.4	Well Depth Units:	ft
Well Hole Depth:	574	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	31	Level reading date:	1997-05-16
Feet below surface:	34.73	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1997-03-12	Feet below surface:	31.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-01-14	Feet below surface:	35.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-11-25	Feet below surface:	233.2
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1996-09-17	Feet below surface:	34.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-07-17	Feet below surface:	69.08
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-05-14	Feet below surface:	234.1
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1996-03-12	Feet below surface:	38.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-01-12	Feet below surface:	40.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-09-11	Feet below surface:	47.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-08-25	Feet below surface:	47.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-07-20	Feet below surface:	257.87
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1995-07-05	Feet below surface:	56.17
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-10-29	Feet below surface:	44.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-10-08	Feet below surface:	42.41
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-09-10	Feet below surface:	68.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-08-27	Feet below surface:	81.64
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-08-13	Feet below surface:	102.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-07-16	Feet below surface:	98.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-06-25	Feet below surface:	88.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-06-18	Feet below surface:	54.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-06-11	Feet below surface:	46.84
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1985-06-04	Feet below surface:	43.21
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-05-21	Feet below surface:	34.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-05-14	Feet below surface:	35.07
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-05-07	Feet below surface:	34.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-04-30	Feet below surface:	33.61
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-04-23	Feet below surface:	32.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-04-16	Feet below surface:	30.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-03-15	Feet below surface:	30.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-05-31	Feet below surface:	31
Feet to sea level:	Not Reported	Note:	Not Reported

Z145
NNE **FED USGS** **USGS40001249755**
1/2 - 1 Mile
Lower

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	20N/04E-35A02	Type:	Well
Description:	GWSI DATABASE AUGMENTATION SITE		
HUC:	17110014	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Not Reported
Formation Type:	Unclassified Overburden	Aquifer Type:	Not Reported
Construction Date:	19810310	Well Depth:	116
Well Depth Units:	ft	Well Hole Depth:	116
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	2	Level reading date:	1995-05-25
Feet below surface:	5.2	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1981-03-10	Feet below surface:	5
Feet to sea level:	Not Reported	Note:	Not Reported

Z146
NNE **WA WELLS** **WA1200000012279**
1/2 - 1 Mile
Lower

Database:	Water Wells	PWS ID:	05498
Source #:	01	Source Name:	WELL
Source Status:	Decommissioned	Source Type:	Ground Water - Well

Source Use:	Permanent	Date Source Effective:	10/29/1996
Date Source Inactive:	05/21/2009	Water Resource Inventory Area:	Puyallup-White
Well Depth:	110	Source Susceptibility:	H
System Name:	NELSON-CRANE CHRISTIAN SCHOOL		
Public Water System Group:	A	System Type:	NTNC
Full Time Res Pop:	0	Total Population Served:	108
Total Connections:	1	PWS Status:	Inactive
Residential Connection:	0	DOE Well Tag:	Not Reported
Capacity (gpm):	8	Influenced by Droughts:	Not Reported
Influenced by Flooding:	Not Reported	Influenced by Surface Water:	U

AA147
NW
1/2 - 1 Mile
Lower

FED USGS **USGS40001249758**

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	20N/04E-34B01	Type:	Well
Description:	WELL ABANDONED	HUC:	17110014
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19010101
Well Depth:	42	Well Depth Units:	ft
Well Hole Depth:	42	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	2	Level reading date:	1995-06-29
Feet below surface:	2.56	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1932-06-29	Feet below surface:	2
Feet to sea level:	Not Reported	Note:	Not Reported

AB148
WNW
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000759752**

Database:	Ecology Well Logs	Well Log ID:	1629829
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	Not Reported
Diameter (in):	0	Casing Depth (ft):	0
Well completion:	Not Reported	Well Owner:	CITY OF PUYALLUP
Well Type:	Water	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	Not Reported

AB149
WNW
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000205086**

Database:	Ecology Well Logs	Well Log ID:	276468
Well Tag #:	Not Reported	Project Tag #:	Not Reported

Notice of Intent #:	Not Reported	Date Received:	Not Reported
Diameter (in):	6	Casing Depth (ft):	264
Well completion:	Not Reported	Well Owner:	LUTHERAN WELFARE SOCIETY
Well Type:	Water	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AC150
NE
1/2 - 1 Mile
Lower

FED USGS **USGS40001249756**

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	20N/04E-35A01	Type:	Well
Description:	GWSI DATABASE AUGMENTATION SITE		
HUC:	17110014	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Not Reported
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19810303	Well Depth:	94
Well Depth Units:	ft	Well Hole Depth:	94
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1981-03-03
Feet below surface:	7	Feet to sea level:	Not Reported
Note:	Not Reported		

X151
South
1/2 - 1 Mile
Higher

FED USGS **USGS40001248743**

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	19N/04E-02L01	Type:	Well
Description:	GWSI DATABASE AUGMENTATION SITE		
HUC:	17110014	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Not Reported
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19911215	Well Depth:	77
Well Depth Units:	ft	Well Hole Depth:	77
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1991-12-18
Feet below surface:	2	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

Y152
WNW
1/2 - 1 Mile
Lower

WA WELLS **WA1200000025938**

Database:	Water Wells	PWS ID:	70050
Source #:	03	Source Name:	WELL #13 (15TH&9TH_ST) AEF202
Source Status:	Active	Source Type:	Ground Water - Well
Source Use:	Permanent	Date Source Effective:	01/01/1970
Date Source Inactive:	Not Reported	Water Resource Inventory Area:	Puyallup-White
Well Depth:	573	Source Susceptibility:	M
System Name:	PUYALLUP CITY OF	Public Water System Group:	A
System Type:	Comm	Full Time Res Pop:	36326
Total Population Served:	36326	Total Connections:	15537
PWS Status:	Active	Residential Connection:	14559
DOE Well Tag:	Not Reported	Capacity (gpm):	700
Influenced by Droughts:	N	Influenced by Flooding:	N
Influenced by Surface Water:	U		

AC153
NE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000339411**

Database:	Ecology Well Logs	Well Log ID:	440593
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	S025952	Date Received:	22-MAY-06
Diameter (in):	Not Reported	Casing Depth (ft):	20
Well completion:	28-APR-06	Well Owner:	PARKER PACIFIC INC
Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AC154
NE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000339412**

Database:	Ecology Well Logs	Well Log ID:	440594
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	S025952	Date Received:	22-MAY-06
Diameter (in):	Not Reported	Casing Depth (ft):	20
Well completion:	28-APR-06	Well Owner:	PARKER PACIFIC INC
Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AC155
NE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000048845**

Database:	Ecology Well Logs	Well Log ID:	56200
Well Tag #:	ACV718	Project Tag #:	Not Reported
Notice of Intent #:	W098984	Date Received:	03-AUG-98
Diameter (in):	6	Casing Depth (ft):	164
Well completion:	22-JUL-98	Well Owner:	DON HAUPT
Well Type:	Water	Driller #:	0233
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AC156
NE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000043317**

Database:	Ecology Well Logs	Well Log ID:	49771
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	10-APR-81
Diameter (in):	6	Casing Depth (ft):	116
Well completion:	10-MAR-81	Well Owner:	LEO GARRETT
Well Type:	Water	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AC157
NE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000044675**

Database:	Ecology Well Logs	Well Log ID:	51333
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	23-MAR-81
Diameter (in):	6	Casing Depth (ft):	94
Well completion:	03-MAR-81	Well Owner:	PHILLIP PAULLUS
Well Type:	Water	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AC158
NE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000339413**

Database:	Ecology Well Logs	Well Log ID:	440596
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	S025952	Date Received:	22-MAY-06
Diameter (in):	Not Reported	Casing Depth (ft):	20

Well completion:	28-APR-06	Well Owner:	PARKER PACIFIC INC
Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AC159
NE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000622183**

Database:	Ecology Well Logs	Well Log ID:	933117
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	AE29133	Date Received:	24-OCT-14
Diameter (in):	8	Casing Depth (ft):	50
Well completion:	09-OCT-14	Well Owner:	Union Bank
Well Type:	Decommisioning	Driller #:	1815
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AC160
NE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000622184**

Database:	Ecology Well Logs	Well Log ID:	933118
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	SE52885	Date Received:	24-OCT-14
Diameter (in):	8	Casing Depth (ft):	50
Well completion:	09-OCT-14	Well Owner:	Union Bank
Well Type:	Resource Protection	Driller #:	1815
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AC161
NE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000622116**

Database:	Ecology Well Logs	Well Log ID:	933042
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	SE52885	Date Received:	24-OCT-14
Diameter (in):	8	Casing Depth (ft):	30
Well completion:	09-OCT-14	Well Owner:	Union Bank
Well Type:	Resource Protection	Driller #:	1815
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AC162
NE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000339414**

Database:	Ecology Well Logs	Well Log ID:	440597
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	S025952	Date Received:	22-MAY-06
Diameter (in):	Not Reported	Casing Depth (ft):	20
Well completion:	28-APR-06	Well Owner:	PARKER PACIFIC INC
Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AC163
NE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000622115**

Database:	Ecology Well Logs	Well Log ID:	933041
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	AE29133	Date Received:	24-OCT-14
Diameter (in):	8	Casing Depth (ft):	30
Well completion:	09-OCT-14	Well Owner:	Union Bank
Well Type:	Decommisioning	Driller #:	1815
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AA164
NW
1/2 - 1 Mile
Lower

FED USGS **USGS40001249728**

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	20N/04E-34B02	Type:	Well
Description:	Not Reported	HUC:	17110014
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19530101
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1985-05-20
Feet below surface:	1.60	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
Z165 **NNE** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS40001249835**

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water Science Center		
Monitor Location:	20N/04E-35A03	Type:	Well
Description:	HIGH FE	HUC:	17110014
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19810303
Well Depth:	94	Well Depth Units:	ft
Well Hole Depth:	94	Well Hole Depth Units:	ft

	Database	EDR ID Number
AD166 **North** **1/2 - 1 Mile** **Lower**	**WA WELLS**	**WALOG2000205854**

Database:	Ecology Well Logs	Well Log ID:	277259
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	Not Reported
Diameter (in):	9	Casing Depth (ft):	Not Reported
Well completion:	Not Reported	Well Owner:	YARD
Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

	Database	EDR ID Number
AD167 **North** **1/2 - 1 Mile** **Lower**	**WA WELLS**	**WALOG2000205855**

Database:	Ecology Well Logs	Well Log ID:	277260
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	Not Reported
Diameter (in):	9	Casing Depth (ft):	Not Reported
Well completion:	Not Reported	Well Owner:	YARD
Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

	Database	EDR ID Number
AD168 **North** **1/2 - 1 Mile** **Lower**	**WA WELLS**	**WALOG2000205856**

Database:	Ecology Well Logs	Well Log ID:	277261
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	Not Reported

Diameter (in):	9	Casing Depth (ft):	Not Reported
Well completion:	Not Reported	Well Owner:	YARD
Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AD169
North
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000205853**

Database:	Ecology Well Logs	Well Log ID:	277258
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	Not Reported
Diameter (in):	9	Casing Depth (ft):	Not Reported
Well completion:	Not Reported	Well Owner:	YARD
Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AD170
North
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000205850**

Database:	Ecology Well Logs	Well Log ID:	277255
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	Not Reported
Diameter (in):	9	Casing Depth (ft):	Not Reported
Well completion:	Not Reported	Well Owner:	YARD
Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AD171
North
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000205851**

Database:	Ecology Well Logs	Well Log ID:	277256
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	Not Reported
Diameter (in):	9	Casing Depth (ft):	Not Reported
Well completion:	Not Reported	Well Owner:	YARD
Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AD172
North
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000205852**

Database:	Ecology Well Logs	Well Log ID:	277257
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	Not Reported
Diameter (in):	9	Casing Depth (ft):	Not Reported
Well completion:	Not Reported	Well Owner:	YARD
Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AD173
North
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000485136**

Database:	Ecology Well Logs	Well Log ID:	668225
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	AE04913	Date Received:	05-AUG-10
Diameter (in):	6	Casing Depth (ft):	10
Well completion:	10-DEC-08	Well Owner:	Cascade Christian Schools
Well Type:	Decommisioning	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AD174
North
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000485137**

Database:	Ecology Well Logs	Well Log ID:	668227
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	SE03703	Date Received:	05-AUG-10
Diameter (in):	6	Casing Depth (ft):	10
Well completion:	10-DEC-08	Well Owner:	Cascade Christian Schools
Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AD175
North
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000485138**

Database:	Ecology Well Logs	Well Log ID:	668229
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	SE03703	Date Received:	05-AUG-10
Diameter (in):	6	Casing Depth (ft):	10

Well completion:	10-DEC-08	Well Owner:	Cascade Christian Schools
Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AD176
North
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000205857**

Database:	Ecology Well Logs	Well Log ID:	277262
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	Not Reported
Diameter (in):	9	Casing Depth (ft):	Not Reported
Well completion:	Not Reported	Well Owner:	YARD
Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AD177
North
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000205858**

Database:	Ecology Well Logs	Well Log ID:	277263
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	Not Reported
Diameter (in):	9	Casing Depth (ft):	Not Reported
Well completion:	Not Reported	Well Owner:	YARD
Well Type:	Resource Protection	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AD178
North
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000485135**

Database:	Ecology Well Logs	Well Log ID:	668223
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	AE04913	Date Received:	05-AUG-10
Diameter (in):	6	Casing Depth (ft):	10
Well completion:	10-DEC-08	Well Owner:	Cascade Christian Schools
Well Type:	Decommisioning	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

179
NW
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000038347**

Database:	Ecology Well Logs	Well Log ID:	44172
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	Not Reported	Date Received:	Not Reported
Diameter (in):	6	Casing Depth (ft):	42
Well completion:	29-JUN-52	Well Owner:	AUGUST LUHTALA
Well Type:	Water	Driller #:	Not Reported
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE180
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780795**

Database:	Ecology Well Logs	Well Log ID:	1667403
Well Tag #:	BKP818	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE181
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780794**

Database:	Ecology Well Logs	Well Log ID:	1667402
Well Tag #:	BKP817	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE182
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780793**

Database:	Ecology Well Logs	Well Log ID:	1667401
Well Tag #:	BKP816	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25

Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE183
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780796**

Database:	Ecology Well Logs	Well Log ID:	1667404
Well Tag #:	BKP819	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE184
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780799**

Database:	Ecology Well Logs	Well Log ID:	1667407
Well Tag #:	BKP822	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE185
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780798**

Database:	Ecology Well Logs	Well Log ID:	1667406
Well Tag #:	BKP821	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AE186
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780797**

Database:	Ecology Well Logs	Well Log ID:	1667405
Well Tag #:	BKP820	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE187
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780792**

Database:	Ecology Well Logs	Well Log ID:	1667400
Well Tag #:	BKP815	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE188
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780787**

Database:	Ecology Well Logs	Well Log ID:	1667395
Well Tag #:	BKP810	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE189
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780786**

Database:	Ecology Well Logs	Well Log ID:	1667394
Well Tag #:	BKP809	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25

Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE190
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780785**

Database:	Ecology Well Logs	Well Log ID:	1667393
Well Tag #:	BKP808	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE191
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780788**

Database:	Ecology Well Logs	Well Log ID:	1667396
Well Tag #:	BKP811	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE192
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780791**

Database:	Ecology Well Logs	Well Log ID:	1667399
Well Tag #:	BKP814	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AE193
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780790**

Database:	Ecology Well Logs	Well Log ID:	1667398
Well Tag #:	BKP813	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE194
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780789**

Database:	Ecology Well Logs	Well Log ID:	1667397
Well Tag #:	BKP812	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE195
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780810**

Database:	Ecology Well Logs	Well Log ID:	1667418
Well Tag #:	BKP833	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE196
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780809**

Database:	Ecology Well Logs	Well Log ID:	1667417
Well Tag #:	BKP832	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25

Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE197
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780808**

Database:	Ecology Well Logs	Well Log ID:	1667416
Well Tag #:	BKP831	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE198
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780811**

Database:	Ecology Well Logs	Well Log ID:	1667419
Well Tag #:	BKP834	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE199
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780814**

Database:	Ecology Well Logs	Well Log ID:	1667422
Well Tag #:	BKP837	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

AE200
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780813**

Database:	Ecology Well Logs	Well Log ID:	1667421
Well Tag #:	BKP836	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE201
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780812**

Database:	Ecology Well Logs	Well Log ID:	1667420
Well Tag #:	BKP835	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE202
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780807**

Database:	Ecology Well Logs	Well Log ID:	1667415
Well Tag #:	BKP830	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE203
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780802**

Database:	Ecology Well Logs	Well Log ID:	1667410
Well Tag #:	BKP825	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25

Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE204
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780801**

Database:	Ecology Well Logs	Well Log ID:	1667409
Well Tag #:	BKP824	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE205
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780800**

Database:	Ecology Well Logs	Well Log ID:	1667408
Well Tag #:	BKP823	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE206
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780803**

Database:	Ecology Well Logs	Well Log ID:	1667411
Well Tag #:	BKP826	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AE207
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780806**

Database:	Ecology Well Logs	Well Log ID:	1667414
Well Tag #:	BKP829	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE208
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780805**

Database:	Ecology Well Logs	Well Log ID:	1667413
Well Tag #:	BKP828	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE209
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780804**

Database:	Ecology Well Logs	Well Log ID:	1667412
Well Tag #:	BKP827	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE210
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780784**

Database:	Ecology Well Logs	Well Log ID:	1667392
Well Tag #:	BKP807	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25

Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE211
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000757122**

Database:	Ecology Well Logs	Well Log ID:	1625776
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	SE62288	Date Received:	12-JUN-17
Diameter (in):	8	Casing Depth (ft):	26.5
Well completion:	01-JUN-17	Well Owner:	Albertsons
Well Type:	Resource Protection	Driller #:	3208
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Dry Hole	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE212
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000757121**

Database:	Ecology Well Logs	Well Log ID:	1625775
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	AE43275	Date Received:	12-JUN-17
Diameter (in):	8	Casing Depth (ft):	21.5
Well completion:	01-JUN-17	Well Owner:	Albertsons
Well Type:	Decommisioning	Driller #:	3208
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Dry Hole	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE213
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000757120**

Database:	Ecology Well Logs	Well Log ID:	1625774
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	AE43275	Date Received:	12-JUN-17
Diameter (in):	8	Casing Depth (ft):	21.5
Well completion:	01-JUN-17	Well Owner:	Albertsons
Well Type:	Decommisioning	Driller #:	3208
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Dry Hole	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AE214
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000757123**

Database:	Ecology Well Logs	Well Log ID:	1625777
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	AE43275	Date Received:	12-JUN-17
Diameter (in):	8	Casing Depth (ft):	26.5
Well completion:	01-JUN-17	Well Owner:	Albertsons
Well Type:	Decommisioning	Driller #:	3208
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Dry Hole	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE215
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000778362**

Database:	Ecology Well Logs	Well Log ID:	1658367
Well Tag #:	BKD370	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	04-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE216
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000778361**

Database:	Ecology Well Logs	Well Log ID:	1658366
Well Tag #:	BKD369	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	04-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE217
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000778360**

Database:	Ecology Well Logs	Well Log ID:	1658365
Well Tag #:	BKD368	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25

Well completion:	04-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE218
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000757119**

Database:	Ecology Well Logs	Well Log ID:	1625773
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	AE43275	Date Received:	12-JUN-17
Diameter (in):	8	Casing Depth (ft):	21.5
Well completion:	01-JUN-17	Well Owner:	Albertsons
Well Type:	Decommisioning	Driller #:	3208
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Dry Hole	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE219
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000757074**

Database:	Ecology Well Logs	Well Log ID:	1625728
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	SE62288	Date Received:	12-JUN-17
Diameter (in):	8	Casing Depth (ft):	51.5
Well completion:	01-JUN-17	Well Owner:	Albertsons
Well Type:	Resource Protection	Driller #:	3208
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Dry Hole	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE220
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000618035**

Database:	Ecology Well Logs	Well Log ID:	926593
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	RE09865	Date Received:	29-AUG-14
Diameter (in):	9	Casing Depth (ft):	89
Well completion:	21-APR-14	Well Owner:	Car Wash Enterprises
Well Type:	Resource Protection	Driller #:	3119
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AE221
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000044813**

Database:	Ecology Well Logs	Well Log ID:	51513
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	065561	Date Received:	Not Reported
Diameter (in):	6	Casing Depth (ft):	118
Well completion:	08-MAR-91	Well Owner:	PUTNAM RICHARD
Well Type:	Water	Driller #:	0284
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE222
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000757075**

Database:	Ecology Well Logs	Well Log ID:	1625729
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	AE43275	Date Received:	12-JUN-17
Diameter (in):	8	Casing Depth (ft):	51.5
Well completion:	01-JUN-17	Well Owner:	Albertsons
Well Type:	Decommisioning	Driller #:	3208
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Dry Hole	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE223
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000757118**

Database:	Ecology Well Logs	Well Log ID:	1625772
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	SE62288	Date Received:	12-JUN-17
Diameter (in):	8	Casing Depth (ft):	21.5
Well completion:	01-JUN-17	Well Owner:	Albertsons
Well Type:	Resource Protection	Driller #:	3208
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Dry Hole	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE224
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000757117**

Database:	Ecology Well Logs	Well Log ID:	1625771
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	SE62288	Date Received:	12-JUN-17
Diameter (in):	8	Casing Depth (ft):	21.5

Well completion:	01-JUN-17	Well Owner:	Albertsons
Well Type:	Resource Protection	Driller #:	3208
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Dry Hole	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE225
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000757116**

Database:	Ecology Well Logs	Well Log ID:	1625770
Well Tag #:	Not Reported	Project Tag #:	Not Reported
Notice of Intent #:	SE62288	Date Received:	12-JUN-17
Diameter (in):	8	Casing Depth (ft):	21.5
Well completion:	01-JUN-17	Well Owner:	Albertsons
Well Type:	Resource Protection	Driller #:	3208
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Dry Hole	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE226
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780779**

Database:	Ecology Well Logs	Well Log ID:	1667387
Well Tag #:	BKP802	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE227
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780778**

Database:	Ecology Well Logs	Well Log ID:	1667386
Well Tag #:	BKP801	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AE228
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000778371**

Database:	Ecology Well Logs	Well Log ID:	1658376
Well Tag #:	BKD379	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	04-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE229
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780780**

Database:	Ecology Well Logs	Well Log ID:	1667388
Well Tag #:	BKP803	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE230
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780783**

Database:	Ecology Well Logs	Well Log ID:	1667391
Well Tag #:	BKP806	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE231
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780782**

Database:	Ecology Well Logs	Well Log ID:	1667390
Well Tag #:	BKP805	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25

Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE232
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780781**

Database:	Ecology Well Logs	Well Log ID:	1667389
Well Tag #:	BKP804	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE233
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000778370**

Database:	Ecology Well Logs	Well Log ID:	1658375
Well Tag #:	BKD378	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	04-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE234
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000778365**

Database:	Ecology Well Logs	Well Log ID:	1658370
Well Tag #:	BKD373	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	04-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AE235
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000778364**

Database:	Ecology Well Logs	Well Log ID:	1658369
Well Tag #:	BKD372	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	04-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE236
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000778363**

Database:	Ecology Well Logs	Well Log ID:	1658368
Well Tag #:	BKD371	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	04-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE237
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000778366**

Database:	Ecology Well Logs	Well Log ID:	1658371
Well Tag #:	BKD374	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	04-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE238
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000778369**

Database:	Ecology Well Logs	Well Log ID:	1658374
Well Tag #:	BKD377	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25

Well completion:	04-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE239
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000778368**

Database:	Ecology Well Logs	Well Log ID:	1658373
Well Tag #:	BKD376	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	04-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE240
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000778367**

Database:	Ecology Well Logs	Well Log ID:	1658372
Well Tag #:	BKD375	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	04-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE241
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000837766**

Database:	Ecology Well Logs	Well Log ID:	1884252
Well Tag #:	BLA961	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	30-JAN-19
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	13-SEP-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AE242
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000837765**

Database:	Ecology Well Logs	Well Log ID:	1884251
Well Tag #:	BLA960	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	30-JAN-19
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	13-SEP-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE243
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000837764**

Database:	Ecology Well Logs	Well Log ID:	1884250
Well Tag #:	BLA959	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	30-JAN-19
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	13-SEP-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE244
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000837767**

Database:	Ecology Well Logs	Well Log ID:	1884253
Well Tag #:	BLA962	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	30-JAN-19
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	13-SEP-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE245
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000837770**

Database:	Ecology Well Logs	Well Log ID:	1884256
Well Tag #:	BLA965	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	30-JAN-19
Diameter (in):	2	Casing Depth (ft):	25

Well completion:	13-SEP-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE246
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000837769**

Database:	Ecology Well Logs	Well Log ID:	1884255
Well Tag #:	BLA964	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	30-JAN-19
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	13-SEP-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE247
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000837768**

Database:	Ecology Well Logs	Well Log ID:	1884254
Well Tag #:	BLA963	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	30-JAN-19
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	13-SEP-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE248
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000837763**

Database:	Ecology Well Logs	Well Log ID:	1884249
Well Tag #:	BLA958	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	30-JAN-19
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	13-SEP-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AE249
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000837758**

Database:	Ecology Well Logs	Well Log ID:	1884244
Well Tag #:	BLA953	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	30-JAN-19
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	13-SEP-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE250
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000837757**

Database:	Ecology Well Logs	Well Log ID:	1884243
Well Tag #:	BLA952	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	30-JAN-19
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	13-SEP-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE251
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000837756**

Database:	Ecology Well Logs	Well Log ID:	1884242
Well Tag #:	BLA951	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	30-JAN-19
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	13-SEP-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE252
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000837759**

Database:	Ecology Well Logs	Well Log ID:	1884245
Well Tag #:	BLA954	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	30-JAN-19
Diameter (in):	2	Casing Depth (ft):	25

Well completion:	13-SEP-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE253
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000837762**

Database:	Ecology Well Logs	Well Log ID:	1884248
Well Tag #:	BLA957	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	30-JAN-19
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	13-SEP-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE254
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000837761**

Database:	Ecology Well Logs	Well Log ID:	1884247
Well Tag #:	BLA956	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	30-JAN-19
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	13-SEP-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE255
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000837760**

Database:	Ecology Well Logs	Well Log ID:	1884246
Well Tag #:	BLA955	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	30-JAN-19
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	13-SEP-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AE256
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000837781**

Database:	Ecology Well Logs	Well Log ID:	1884267
Well Tag #:	BLA976	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	30-JAN-19
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	13-SEP-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE257
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000837780**

Database:	Ecology Well Logs	Well Log ID:	1884266
Well Tag #:	BLA975	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	30-JAN-19
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	13-SEP-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE258
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000837779**

Database:	Ecology Well Logs	Well Log ID:	1884265
Well Tag #:	BLA974	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	30-JAN-19
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	13-SEP-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE259
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000837782**

Database:	Ecology Well Logs	Well Log ID:	1884268
Well Tag #:	BLA977	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	30-JAN-19
Diameter (in):	2	Casing Depth (ft):	25

Well completion:	13-SEP-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE260
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000837785**

Database:	Ecology Well Logs	Well Log ID:	1884271
Well Tag #:	BLA980	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	30-JAN-19
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	13-SEP-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE261
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000837784**

Database:	Ecology Well Logs	Well Log ID:	1884270
Well Tag #:	BLA979	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	30-JAN-19
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	13-SEP-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE262
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000837783**

Database:	Ecology Well Logs	Well Log ID:	1884269
Well Tag #:	BLA978	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	30-JAN-19
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	13-SEP-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AE263
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000837778**

Database:	Ecology Well Logs	Well Log ID:	1884264
Well Tag #:	BLA973	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	30-JAN-19
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	13-SEP-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE264
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000837773**

Database:	Ecology Well Logs	Well Log ID:	1884259
Well Tag #:	BLA968	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	30-JAN-19
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	13-SEP-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE265
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000837772**

Database:	Ecology Well Logs	Well Log ID:	1884258
Well Tag #:	BLA967	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	30-JAN-19
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	13-SEP-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE266
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000837771**

Database:	Ecology Well Logs	Well Log ID:	1884257
Well Tag #:	BLA966	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	30-JAN-19
Diameter (in):	2	Casing Depth (ft):	25

Well completion:	13-SEP-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE267
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000837774**

Database:	Ecology Well Logs	Well Log ID:	1884260
Well Tag #:	BLA969	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	30-JAN-19
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	13-SEP-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE268
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000837777**

Database:	Ecology Well Logs	Well Log ID:	1884263
Well Tag #:	BLA972	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	30-JAN-19
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	13-SEP-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE269
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000837776**

Database:	Ecology Well Logs	Well Log ID:	1884262
Well Tag #:	BLA971	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	30-JAN-19
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	13-SEP-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AE270
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000837775**

Database:	Ecology Well Logs	Well Log ID:	1884261
Well Tag #:	BLA970	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	30-JAN-19
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	13-SEP-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE271
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780825**

Database:	Ecology Well Logs	Well Log ID:	1667433
Well Tag #:	BKP848	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE272
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780824**

Database:	Ecology Well Logs	Well Log ID:	1667432
Well Tag #:	BKP847	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE273
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780823**

Database:	Ecology Well Logs	Well Log ID:	1667431
Well Tag #:	BKP846	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25

Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE274
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780826**

Database:	Ecology Well Logs	Well Log ID:	1667434
Well Tag #:	BKP849	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE275
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780829**

Database:	Ecology Well Logs	Well Log ID:	1667437
Well Tag #:	BKP852	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE276
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780828**

Database:	Ecology Well Logs	Well Log ID:	1667436
Well Tag #:	BKP851	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AE277
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780827**

Database:	Ecology Well Logs	Well Log ID:	1667435
Well Tag #:	BKP850	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE278
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780822**

Database:	Ecology Well Logs	Well Log ID:	1667430
Well Tag #:	BKP845	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE279
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780817**

Database:	Ecology Well Logs	Well Log ID:	1667425
Well Tag #:	BKP840	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE280
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780816**

Database:	Ecology Well Logs	Well Log ID:	1667424
Well Tag #:	BKP839	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25

Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE281
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780815**

Database:	Ecology Well Logs	Well Log ID:	1667423
Well Tag #:	BKP838	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE282
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780818**

Database:	Ecology Well Logs	Well Log ID:	1667426
Well Tag #:	BKP841	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE283
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780821**

Database:	Ecology Well Logs	Well Log ID:	1667429
Well Tag #:	BKP844	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AE284
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780820**

Database:	Ecology Well Logs	Well Log ID:	1667428
Well Tag #:	BKP843	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE285
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780819**

Database:	Ecology Well Logs	Well Log ID:	1667427
Well Tag #:	BKP842	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE286
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780840**

Database:	Ecology Well Logs	Well Log ID:	1667448
Well Tag #:	BKP863	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE287
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780839**

Database:	Ecology Well Logs	Well Log ID:	1667447
Well Tag #:	BKP862	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25

Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE288
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780838**

Database:	Ecology Well Logs	Well Log ID:	1667446
Well Tag #:	BKP861	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE289
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780841**

Database:	Ecology Well Logs	Well Log ID:	1667449
Well Tag #:	BKP864	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE290
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780844**

Database:	Ecology Well Logs	Well Log ID:	1667452
Well Tag #:	BKP867	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AE291
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780843**

Database:	Ecology Well Logs	Well Log ID:	1667451
Well Tag #:	BKP866	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE292
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780842**

Database:	Ecology Well Logs	Well Log ID:	1667450
Well Tag #:	BKP865	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE293
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780837**

Database:	Ecology Well Logs	Well Log ID:	1667445
Well Tag #:	BKP860	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE294
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780832**

Database:	Ecology Well Logs	Well Log ID:	1667440
Well Tag #:	BKP855	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25

Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE295
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780831**

Database:	Ecology Well Logs	Well Log ID:	1667439
Well Tag #:	BKP854	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE296
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780830**

Database:	Ecology Well Logs	Well Log ID:	1667438
Well Tag #:	BKP853	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE297
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780833**

Database:	Ecology Well Logs	Well Log ID:	1667441
Well Tag #:	BKP856	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

AE298
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780836**

Database:	Ecology Well Logs	Well Log ID:	1667444
Well Tag #:	BKP859	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE299
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780835**

Database:	Ecology Well Logs	Well Log ID:	1667443
Well Tag #:	BKP858	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

AE300
NNE
1/2 - 1 Mile
Lower

WA WELLS **WALOG2000780834**

Database:	Ecology Well Logs	Well Log ID:	1667442
Well Tag #:	BKP857	Project Tag #:	Not Reported
Notice of Intent #:	DE02039	Date Received:	29-AUG-17
Diameter (in):	2	Casing Depth (ft):	25
Well completion:	02-AUG-17	Well Owner:	Viking JV LLC LLC Co Running Bear Development
Well Type:	Water	Driller #:	1374
Static Water Level:	6	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for PIERCE 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: 98372

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	-0.100 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

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 IRAA 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

Site Photographs

ES-5559.06

Photo 1
Facing north towards the southern edge of the property. The terminus of 23rd Ave Southeast is seen in the forefront.

Photo 2
Facing east along the southern border of the property.

Photo 3
Facing east towards a remnant building foundation located along the southern portion of the property.

Photo Dated Jan. 2023

Photo 4
Facing northwest towards a remnant building foundation located along the southwestern corner of the property.

Photo 5
Facing northeast towards a remnant building foundation located along the south-central portion of the property.

Photo 6
Facing a remnant building foundation located along the west-central portion of the property.

Photo 7
Facing south towards a small pond located near the center of the property.

Photo 8
Facing east towards a cell phone tower, a small shed associated with the cell phone tower, and a pole-mounted transformer located along the northeastern corner of the property. No signs of spills, leaks, or stained soil observed.

Photo 9
Facing west along the northern border of the property.

Photo Dated Jan. 2023

Photo 10
Facing southeast from near the northwestern corner of the property.

Photo 11
Facing south along the northern border of the property.

Photo 12
Facing west from near the southeastern corner of the property.

Photo Dated Jan. 2023

Appendix C

Pierce County Assessor Documents

ES-5559.06

Pierce County Assessor-Treasurer
Property Summary

2301 23RD ST SE

CHEN PETER Y & LIU BETH
0420353027

Tax Description

Section 35 Township 20 Range 04 Quarter 34 : PARCEL 2 OF ROS FOR BLA 2018-04-16-5001 POR OF SW DESC AS FOLL COM AT SW COR OF SW TH E ALG S LI 1974.60 TH N 0 DEG 2 MIN 48 SEC W 615.92 FT TO POB TH N 85 DEG 57 MIN 35 SEC W 292.3 FT TH N 60 DEG 29 MIN 26 SEC W 44.88 FT TH N 14 DEG 8 MIN 31 SEC W 219.64 FT TH N 87 DEG 53 DEG 22 SEC W 254.13 FT TH N 0 DEG 15 MIN 22 SEC E 226.43 FT TH N 26 MIN 25 SEC 49 SEC W 143.38 FT TH S 87 DEG 52 MIN 20 E 130.65 FT TH N 1 DEG 3 MIN 13 SEC E 122.62 FT TH N 88 DEG 18 MIN W 60.85 FT TH N 0 DEG 53 MIN 14 SEC E 30 FT TH S 88 DEG 18 MIN E 617.28 FT TH S 0 DEG 2 MIN 48 SEC E 750.69 FT TO POB CURRENT USE RCW 84.34 1973 AGRI AFN 2457397 2.5 AC EXCL 6.59 ACS TRNSFD TO OPEN SPACE PBRS 201306040189 SEG F 7515 DC5/29/96JU DC00570389 5/18/18 KG

Property Details

Parcel Number	0420353027
Site Address	2301 23RD ST SE
Account Type	Real Property
Category	Land and Improvements
Assessment Use Code	9400-CU OPEN SPACE RCW 84.34 CURRENT USE

Taxpayer Details

Taxpayer Name	CHEN PETER Y & LIU BETH
Mailing Address	4709 MEMORY LN W UNIVERSITY PLACE, WA 98466-1038

Appraisal Details

Land Economic Area	090901
Value Area	PI6
Appr Acct Type	Residential
Business Name	
Last Inspection	03/28/2019-Physical Inspection
Appraisal Area	09

Related Parcels

Group Account Number	36250
Located On	n/a
Associated Parcels	n/a

Assessed Value

Value Year	2022	**Assessed Total**	602,900
Tax Year	2023	**Assessed Land**	602,900
		Assessed Improvements	0
Taxable Value	253,231		
Tax Code Area	096	**Current Use Land**	253,231
Tax Code Area Rate	0	**Personal Property**	0
Notice of Value Mailing Date	06/24/2022		

Assessment Details

2022 Values for 2023 Tax

Taxable Value	$253,231
Assessed Value	$602,900

Tax Amounts Due

Tax Year	Minimum Due	Total Due
TOTAL	**0.00**	**0.00**

Property Tax Exemptions

No exemptions

Land Details

Land Economic Area	090901
RTSQQ	04-20-35-34
Value Area	PI6
Square Footage	395,960
Acres	9.09
Front Foot	0
Electric	Power Available
Sewer	Sewer/Septic Avail
Water	Water Available

Sales History

SALE DATE	12/03/2011
ETN	4274495
PARCEL COUNT	4
GRANTOR	OTTINGER SHARON A
GRANTEE	CHEN PETER Y & LIU BETH
SALE PRICE	632,000
DEED TYPE	Statutory Warranty Deed
SALES NOTES	CU Open Space & Ag RCW 84.34

Map

Photos

2019_PRI_3-28-2019_UW_.jpg

Sketches

Sorry, no sketches available for display

Pierce County Assessor-Treasurer
Property Summary

XXX 24TH STREET PL SE

CHEN PETER Y & LIU BETH
0420357011

Tax Description

Section 35 Township 20 Range 04 Quarter 34 : L 2 OF S P 81-05-20-0168 DESC AS FOLL: BEG AT NW COR OF SD L 2 TH S 01 DEG 17 MIN 47 SEC E ALG W LI 532.4 FT TH N 89 DEG 49 MIN 07 SEC E 4.7 FT TH N 00 DEG 22 MIN 05 SEC W 78 FT TH N 00 DEG 49 MIN 54 SEC W 128.7 FT TH N 00 DEG 32 MIN 11 SEC W 325.48 FT TO N LI SD LOT TH N 89 DEG 29 MIN 52 SEC W 11.33 FT TO POB CURRENT USE OPEN SPACE PBRS RCW 84.34 201306040189 OUT OF 7-002 SEG B0567NF 2/14/91BO

Property Details

Parcel Number	0420357011
Site Address	XXX 24TH STREET PL SE
Account Type	Real Property
Category	Land and Improvements
Assessment Use Code	9400-CU OPEN SPACE RCW 84.34 CURRENT USE

Taxpayer Details

Taxpayer Name	CHEN PETER Y & LIU BETH
Mailing Address	4709 MEMORY LN W UNIVERSITY PLACE, WA 98466-1038

Appraisal Details

Land Economic Area	090901
Value Area	PI6
Appr Acct Type	Residential
Business Name	
Last Inspection	04/16/2019-Physical Inspection
Appraisal Area	09

Related Parcels

Group Account Number	36250
Located On	n/a
Associated Parcels	n/a

Assessed Value

Value Year	2022	**Assessed Total**	4,800
Tax Year	2023	**Assessed Land**	4,800
Taxable Value	960	**Assessed Improvements**	0
Tax Code Area	096	**Current Use Land**	960
Tax Code Area Rate	0	**Personal Property**	0
Notice of Value Mailing Date	06/24/2022		

Assessment Details

2022 Values for 2023 Tax

Taxable Value	$960
Assessed Value	$4,800

Tax Amounts Due

Tax Year	Minimum Due	Total Due
TOTAL	**0.00**	**0.00**

Property Tax Exemptions

No exemptions

Land Details

Land Economic Area	090901
RTSQQ	04-20-35-34
Value Area	PI6
Square Footage	4,256
Acres	0.098
Front Foot	0
Electric	Power Available
Sewer	Sewer/Septic Avail
Water	Water Available

Sales History

SALE DATE	12/03/2011
ETN	4274495
PARCEL COUNT	4
GRANTOR	OTTINGER SHARON A
GRANTEE	CHEN PETER Y & LIU BETH
SALE PRICE	632,000
DEED TYPE	Statutory Warranty Deed
SALES NOTES	CU Open Space & Ag RCW 84.34

Map

Photos

Sorry, no photo available for display

Sketches

Sorry, no sketches available for display

Appendix D

EDR Certified Sanborn Map Report

ES-5559.06

Sunset Pointe

2301 23rd St SE

Puyallup, WA 98372

Inquiry Number: 7214049.3

December 29, 2022

Certified Sanborn® Map Report

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

Certified Sanborn® Map Report

12/29/22

Site Name:

Sunset Pointe
2301 23rd St SE
Puyallup, WA 98372
EDR Inquiry # 7214049.3

Client Name:

Earth Solutions Northwest
15365 NE 90th S
Redmond, WA 98052
Contact: Kyler Kelly

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Earth Solutions Northwest 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 # EC15-4175-B499

PO # Sunset Pointe

Project 5559.06

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 #: EC15-4175-B499

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 E

EDR Aerial Photo Decade Package

ES-5559.06

Sunset Pointe

2301 23rd St SE

Puyallup, WA 98372

Inquiry Number: 7214049.8

December 29, 2022

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

12/29/22

Site Name:

Sunset Pointe
2301 23rd St SE
Puyallup, WA 98372
EDR Inquiry # 7214049.8

Client Name:

Earth Solutions Northwest
15365 NE 90th S
Redmond, WA 98052
Contact: Kyler Kelly

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:

Year	*Scale*	*Details*	*Source*
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
1990	1"=500'	Acquisition Date: July 10, 1990	USGS/DOQQ
1980	1"=500'	Flight Date: July 01, 1980	USDA
1972	1"=500'	Flight Date: September 04, 1972	USGS
1968	1"=500'	Flight Date: September 02, 1968	USGS
1957	1"=500'	Flight Date: May 28, 1957	USGS
1943	1"=500'	Flight Date: March 05, 1943	DIA
1941	1"=500'	Flight Date: July 10, 1941	USDA

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INQUIRY #: 7214049.8

YEAR: 2019

= 500'

N

EDR

INQUIRY #: 7214049.8
YEAR: 2015
= 500'
N
EDR

INQUIRY #: 7214049.8

YEAR: 2011

= 500'

N

EDR

INQUIRY #: 7214049.8

YEAR: 2006

= 500'

N

EDR

INQUIRY #: 7214049.8

YEAR: 1990

= 500'

N

EDR

INQUIRY #: 7214049.8

YEAR: 1980

= 500'

N

EDR

INQUIRY #: 7214049.8

YEAR: 1972

= 500'

N

EDR

INQUIRY #: 7214049.8

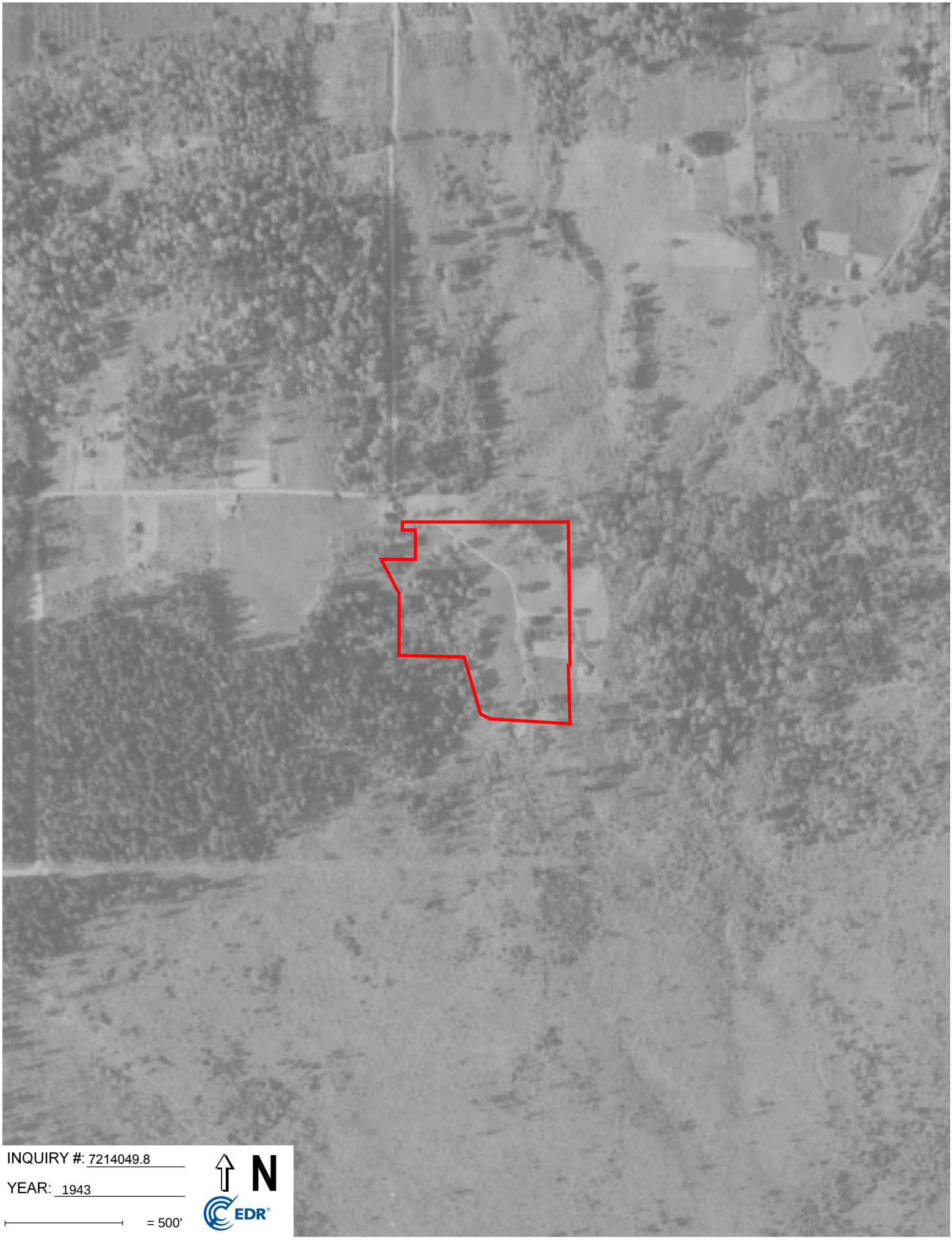
YEAR: 1968

= 500'

N

EDR

INQUIRY #: 7214049.8
YEAR: 1957
= 500'
N
EDR



INQUIRY #: 7214049.8

YEAR: 1943

= 500'

N

EDR

INQUIRY #: 7214049.8

YEAR: 1941

= 500'

N

EDR

Appendix F

EDR City Directory Image Report

ES-5559.06

Sunset Pointe
2301 23rd St SE
Puyallup, WA 98372

Inquiry Number: 7214049.5
December 29, 2022

The EDR-City Directory Image Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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City Directory Images

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

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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 city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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Data by infoUSA®

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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.

Year	Target Street	Cross Street	Source
2017	☑	☑	EDR Digital Archive
2014	☑	☑	EDR Digital Archive
2010	☑	☑	EDR Digital Archive
2005	☑	☑	EDR Digital Archive
2000	☑	☑	EDR Digital Archive
1995	☑	☑	EDR Digital Archive
1992	☑	☑	EDR Digital Archive
1989	☑	☑	Polk's City Directory
1984	☑	☑	Polk's City Directory
1979	☑	☑	Polk's City Directory
1974	☑	☐	Polk's City Directory
1969	☑	☐	Polk's City Directory
1964	☑	☐	Polk's City Directory
1959	☑	☐	Polk's City Directory

EXECUTIVE SUMMARY

Year	*Target Street*	*Cross Street*	*Source*

FINDINGS

TARGET PROPERTY STREET

2301 23rd St SE
Puyallup, WA 98372

Year	*CD Image*	*Source*
23RD ST SE		
2017	pg A2	EDR Digital Archive
2014	pg A6	EDR Digital Archive
2010	pg A10	EDR Digital Archive
2005	pg A14	EDR Digital Archive
2000	pg A17	EDR Digital Archive
1995	pg A19	EDR Digital Archive
1992	pg A21	EDR Digital Archive
1989	pg A23	Polk's City Directory
1984	pg A25	Polk's City Directory
1984	pg A26	Polk's City Directory
1979	pg A28	Polk's City Directory
1974	pg A29	Polk's City Directory
1969	pg A30	Polk's City Directory
1964	pg A31	Polk's City Directory
1964	pg A32	Polk's City Directory
1959	pg A33	Polk's City Directory

FINDINGS

CROSS STREETS

Year	*CD Image*	*Source*	
22ND ST SE			
2017	pg. A1	EDR Digital Archive	
2014	pg. A4	EDR Digital Archive	
2010	pg. A8	EDR Digital Archive	
2005	pg. A12	EDR Digital Archive	
2000	pg. A16	EDR Digital Archive	
1995	pg. A18	EDR Digital Archive	
1992	pg. A20	EDR Digital Archive	
1989	pg. A22	Polk's City Directory	
1984	pg. A24	Polk's City Directory	
1979	pg. A27	Polk's City Directory	
1974	-	Polk's City Directory	Street not listed in Source
1969	-	Polk's City Directory	Street not listed in Source
1964	-	Polk's City Directory	Street not listed in Source
1959	-	Polk's City Directory	Street not listed in Source
23RD STREET PL SE			
2017	pg. A3	EDR Digital Archive	
2014	pg. A7	EDR Digital Archive	
2010	pg. A11	EDR Digital Archive	
2005	pg. A15	EDR Digital Archive	
2000	-	EDR Digital Archive	Street not listed in Source
1995	-	EDR Digital Archive	Street not listed in Source
1992	-	EDR Digital Archive	Street not listed in Source
1989	-	Polk's City Directory	Street not listed in Source
1984	-	Polk's City Directory	Street not listed in Source
1979	-	Polk's City Directory	Street not listed in Source
1974	-	Polk's City Directory	Street not listed in Source
1969	-	Polk's City Directory	Street not listed in Source
1964	-	Polk's City Directory	Street not listed in Source

FINDINGS

Year	CD Image	Source	
1959	-	Polk's City Directory	Street not listed in Source

City Directory Images

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

22ND ST SE 2017

1203	BAHR, ROGER J
1207	SEARS, DOUGLAS J
1210	SAND BLASTED ART
	ZACHARY, LANCE W
1211	COLEMAN, GRACE M
1302	MARTIN, MARY E
1309	DUNN, KATHLEEN T
2101	POTTER, KASEY C
2102	SCHOFIELD, JAY F
2105	RYBALKA, YURIY V
2109	DOUGHERTY, JAMES H
2110	COLLINS, PETER J
2117	ENNIS, ROBERT E
2118	BELL, DALE R
2126	PALMER, MARK A
2130	MACGEORGE, JOEL J
2136	ZOCH, CARL H
2403	NJUGUNA, ISAAC
2406	ANDERSON, GREGORY S
2407	KELLER, LARRY R
2408	RUSLER, GREGORY L
2410	SCHULTZ, DONALD J
2412	GOOLD, BRYCE D
3402	SHOWACY, ERIK L
3405	MOFFITT, STEVEN R
3406	BRUCE, BETTY J
3408	WITT, DAVE E
3410	SMITH, DOUG B
3503	LALONDE, BLAKE A
3505	FAHEY, GWEN E
3506	DECCIO, TIMOTHY A
3507	REITSMA, LAURELEE T
3508	MILLER, MARRIAH E
3509	RENNIE, REXINE M
3511	DEORA, ARUN J
3604	HANNA, RANDALL W
3605	BROCKWAY, CHARLES R
3606	BROOK, MICHAEL P
3607	BELLERUD, THOMAS M
3608	PORTOCARRERO, NESTOR D
3609	KOVACEVICH, DUANE J
3610	HARPER, JEFFREY A
3611	BOLENDER, RAQUEL M

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

23RD ST SE 2017

101	A & J LLC
	FASTENAL
	GIBSON MOTORWORKS
	JANDI FABRICATING
	LDC EQUIPMENT LLC
	S & K ENTERPRISES INC
110	PUYALLUP FOOD BANK
111	J & L FABRICATING
	NEELEY CONSTRUCTION & CABINET CO
116	PROSPECT CONSTRUCTION INC
117	OLYMPIC TRACKS INC
118	SAK CONSTRUCTION
120	LAKE SIDE DOORS
121	BULLDOG PLUMBING
124	OLSSON, BRIAN L
133	NORTHWEST INFRASTRUCTURES
136	COWIN, ARON
422	BATES ROOFING LLC
426	FERRELLGAS

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

23RD STREET PL SE 2017

2104	SIMONSEN, GARY D
2105	KRASNIEWSKI, DONALD B
2112	FRIERMUTH, KEVIN
2113	OWENS, JAMES H
2120	JEPPESEN, YOUNSIL S
2121	BAIER, THOMAS R
2201	SARVELA, CARL L
2202	BUNDROCK, GARY D
2209	GRACIA, FERNANDO
2210	STERLING HOME INSPECT
	STOKLEY, TIMOTHY K
2217	MOSS, GARY A
2218	SIERRA, ALTON R
2225	SANCHEZ, BENJAMIN A

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

22ND ST SE 2014

1203	AJAMI, FAREED W
1207	CARLSEN, ERIC
1210	SAND BLASTED ART
	ZACHARY, LANCE W
1211	COLEMAN, GRACE M
1301	LABRASH, KERRY D
	SMITH, WINSTON S
1302	MARTIN, MARY E
1309	DUNN, KATHLEEN T
2101	OCCUPANT UNKNOWN,
2102	SCHOFIELD, JAY F
2105	RYBALKA, YURIY V
2109	POLLY, MELISSA
2110	COLLINS, PETER J
2117	ENNIS, SHANE C
2118	BELL, DALE R
2119	SHACKETT, AARON E
2126	PALMER, MARK A
2130	MACGEORGE, JOEL J
2136	ZOCH, CARL H
2402	GLADFELDER, TONYA A
2403	BENSON, AARON J
2404	OCCUPANT UNKNOWN,
2406	ANDERSON, GREGORY S
2407	KELLER, LARRY R
2408	RUSLER, GREGORY L
2410	SCHULTZ, DONALD J
2412	GOOLD, MARTIN W
3402	SHOWACY, EDWIN M
3405	MOFFITT, STEVEN R
3406	TONEY, GORDON G
3408	WITT, DAVE E
3410	SMITH, DOUG B
3503	LALONDE, BLAKE A
3505	OCCUPANT UNKNOWN,
3506	DECCIO, TIMOTHY A
3507	ELLIS, JOSEPH O
3508	SIDOR, KYLE D
3509	OCCUPANT UNKNOWN,
3604	HANNA, RANDALL W
3605	BROCKWAY, CHARLES R
3606	OCCUPANT UNKNOWN,
3607	BELLERUD, THOMAS M
3608	HARLEY, RAY R
3609	KOVACEVICH, DUANE J
3610	HARPER, JEFFREY A
3611	GONZALES, FRANK P
3904	COVARRUBIAS, PEDRO
3908	RODRIGUEZ, DENISE L
3912	HITCHCOCK, MITCH

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

22ND ST SE 2014 (Cont'd)

4002	OCHIENG, CHRISTOPHER O
4006	OCCUPANT UNKNOWN,
4010	HOLTEN, MICHAEL C
4014	OCCUPANT UNKNOWN,
4018	HALL, MATTHEW A
4022	OCCUPANT UNKNOWN,
4104	WOODWORTH, ADAM R
4108	SLAUGHTER, HEIDI S
4112	OCCUPANT UNKNOWN,
4116	OCCUPANT UNKNOWN,
4120	OCCUPANT UNKNOWN,
4124	OCCUPANT UNKNOWN,
4128	OCCUPANT UNKNOWN,
4309	OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

23RD ST SE 2014

101	A & J LLC
	FASTENAL
	GIBSON MOTORWORKS
	HARTKE, CLAUDIA R
	LDC EQUIPMENT LLC
	S & K ENTERPRISES INC
110	PUYALLUP FOOD BANK
111	J & L FABRICATING
	NEELEY CONSTRUCTION & CABINET CO
116	PROSPECT CONSTRUCTION INC
117	OLYMPIC TRACKS INC
118	N W NITRO RC HOBBIES
	SAK CONSTRUCTION
120	LAKE SIDE DOORS
121	T I NORTHWEST CORPORATION
124	NELSON, CRYSTAL
131	MICHAEL, MEGAN K
133	NORTHWEST INFRASTRUCTURES
136	JOHNSON, CARL E
210	MITCHELL, BRIAN D
218	ALLEN, DESIREE

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

23RD STREET PL SE 2014

1104	THOMPSON, SCOTT E
1108	LILJENBERG, GARY J
1112	VERNON, JOHN C
2104	SIMONSEN, GARY D
2105	OTTESEN, JEFFERY L
2113	OWENS, JAMES H
2120	OCCUPANT UNKNOWN,
2121	BAIER, ANGELA L
2201	SARVELA, CARL L
2202	BUNDROCK, GARY D
2209	GRACIA, FERNANDO
2210	COACH, PAUL L
2217	MOSS, GARY A
2218	SIERRA, ALTON R
2225	SANCHEZ, BENJAMIN A

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

22ND ST SE 2010

1203	BAHR, ROGER J
1207	PARKER, DONALD J
1210	SANDBLASTED ARTGLASS & STONE
	ZACHARY, DEBBIE M
1211	COLEMAN, GRACE M
1302	MARTIN, MARY E
1305	LUNDBORG, KIKUKO L
1309	DUNN, KATHLEEN T
2102	SCHOFIELD, JAY F
2105	RYBALKA, YURIY V
2109	DOUGHERTY, JAMES H
2110	OCCUPANT UNKNOWN,
2117	ENNIS, ROBERT E
2118	BELL, DALE R
2126	PALMER, MARK A
2130	MACGEORGE, JANE G
2136	ZOCH, CARL H
2402	MCDANIELS, CLINT W
2403	OCCUPANT UNKNOWN,
2404	HAMBLIN, DAVID V
2406	ANDERSON, GREGORY S
2407	KELLER, LARRY R
2408	RUSLER, GREGORY L
2410	FORD, ROBERT M
2412	GOOLD, MARTIN W
3402	SHOWACY, EDWIN M
3404	ORR, JESSE G
3405	MOFFITT, STEVEN R
3406	TONEY, GORDON G
3408	WITT, DAVE E
3410	SMITH, DOUG B
3503	LALONDE, BLAKE A
3505	KING, ROBERT D
3506	DECCIO, TIMOTHY A
3507	ELLIS, JOSEPH O
3508	GEPHART, SEAN R
3511	DEORA, ARUN J
3604	HANNA, RANDALL W
3605	BROCKWAY, CHARLES R
3606	OCCUPANT UNKNOWN,
3607	BELLERUD, THOMAS M
3608	HARLEY, RAY R
3609	KOVACEVICH, DUANE J
3610	OCCUPANT UNKNOWN,
3611	DESMOND, KEVIN E
3904	OCCUPANT UNKNOWN,
3908	OCCUPANT UNKNOWN,
3912	OCCUPANT UNKNOWN,
4002	OCCUPANT UNKNOWN,
4006	OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

22ND ST SE 2010 (Cont'd)

4010 OCCUPANT UNKNOWN,
4014 OCCUPANT UNKNOWN,
4018 OCCUPANT UNKNOWN,
4022 OCCUPANT UNKNOWN,
4104 OCCUPANT UNKNOWN,
4108 OCCUPANT UNKNOWN,
4112 OCCUPANT UNKNOWN,
4116 OCCUPANT UNKNOWN,
4120 OCCUPANT UNKNOWN,
4124 OCCUPANT UNKNOWN,
4128 OCCUPANT UNKNOWN,
4309 OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

23RD ST SE 2010

101	A & JLLC
	ENDICOTT COFFEE
	FASTENAL CO
	NORTHWEST CLIMATE CONTROLS INC
	S & K ENTERPRISES INC
111	NEELEY CONSTR & CABINET CO
116	PROSPECT CONSTRUCTION INC
117	OLYMPIC TRACKS INC
120	LAKE SIDE DOORS
	LAKESIDE DOORS INC
121	T I NORTHWEST
124	OLSSON, BRIAN L
131	MICHAEL, MEGAN
133	NORTHWEST INFRASTRUCTURES
136	BROSSART, GREG
210	OCCUPANT UNKNOWN,
	TRIDENT WATERWORKS INC
216	ADKINS, DARREN K
	RICHARDSON, AMY
218	ALLEN, DESIREE

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

23RD STREET PL SE 2010

2104 SIMONSEN, GARY D
2105 OTTESEN, JEFFERY L
2112 OCCUPANT UNKNOWN,
2113 OWENS, JAMES H
2120 JEPPESEN, YOUSIL S
JJ ASSOCIATION LLC
2201 SARVELA, CARL L
2202 BUNDROCK, GARY D
2209 GRACIA, FERNANDO
2210 MERKT, WAYNE J
2214 COX, RONALD
2217 MOSS, GARY A
2218 SIERRA, ALTON R
2225 SANCHEZ, BENJAMIN A

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

22ND ST SE 2005

1203 OCCUPANT UNKNOWN,
1210 SAND BLASTED ART
ZACHARY, DEBRA M
1211 COLEMAN, JOHNNY E
1301 ROGERS, BOYD K
1302 MARTIN, MARY E
1305 LUNDBORG, JOHN B
1309 CHRISTENSEN, BERGER V
2101 POTTER, KASEY C
2102 SCHOFIELD CONSTRUCTION
SCHOFIELD, JAY F
2105 RYBALKA, YULIY V
2109 DOUGHERTY, JAMES H
2110 POTTER, CLARK M
RESOURCE GROUP
WIRELESS COMMUNICATIONS CO
2114 AMY, GLENN A
2117 CHARTER FUNDING
ENNIS, ROBERT S
2118 BELL, DALE R
2126 PALMER, MARK A
2130 MACGEORGE, JANE G
2136 ZOCH, CARL H
2402 MCDANIELS, CLINT W
2403 DEPHILLIPS, JOHN G
2406 OCCUPANT UNKNOWN,
2407 KELLER, KASANDRA L
2408 RUSLER, GREGORY L
2410 FORD, ROBERT M
2412 GOOLD, MARTIN W
3402 SHOWACY, EDWIN M
3404 ORR, JESSE G
3405 MOFFITT, STEVEN R
3406 TONEY, GORDON D
3408 WITT, DAVE E
3410 SMITH, DOUG B
3503 LALONDE, BLAKE A
3505 KING, ROBERT D
3506 MEMOVICH, RICHARD J
3507 ELLIS, JOSEPH O
3508 LAMOREAUX, C D
3509 OCCUPANT UNKNOWN,
3511 DEORA, ARUN J
3604 HANNA, RANDALL W
3605 BROCKWAY, CHARLES R
3606 BROOK, MICHAEL P
3607 BELLERUD, THOMAS M
3608 RAY HARLEY INC
3609 KOVACEVICH, DUANE J
3610 HARPER, JEFFREY M

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

22ND ST SE 2005 (Cont'd)

3611 DESMOND, KEVIN E

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

23RD ST SE 2005

101	ENDICOTT COFFEE LLC
	NORTHWEST CLIMATE CONTROLS
110	CONSOLIDATED ELECTRICAL DISTRIBUTORS
117	OLYMPIC TRACKS INC
120	LAKE SIDE DOORS REPAIRING & PA
121	TI NORTHWEST CORP
124	OLSSON, BRIAN L
133	EXCEL ROTOMOLD INC
	TOTEM PACIFIC CONTRACTORS
216	ADKINS, DARREN K
	OCCUPANT UNKNOWN,
422	LEA, SAM J

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

23RD STREET PL SE 2005

2104 STARR, RON J
2105 ALTA ENGINEERING CONSTRUCTION
OTTESEN, JEFFERY L
2112 HOLLAND, JOHN W
2113 SALON PETITE
2120 JEPPESEN, LOUIS P
2121 OCCUPANT UNKNOWN,
2201 JACKSON, HERBERT N
2202 BUNDROCK, GARY D
2209 THOMETZ, LUKE M
2210 MERKT, WAYNE J
2217 MOSS, GARY A
RJM CO
2218 OCCUPANT UNKNOWN,
2225 SANCHEZ, SANDRA P

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

22ND ST SE 2000

1207	MCKIM, KAREN
1211	COLEMAN, JOHNNY E
1302	MARTIN, MARY E
2402	MCDANIELS, RAYMOND A
2404	GLEIM, GERALD L
2406	ANDERSON, P
2408	RUSLER, G L
2410	OCCUPANT UNKNOWN,
2412	GOOLD, MARTIN W
3404	MARSH, JEWELL
3410	BLANKINSHIP, J W
3503	GEBAUER, MICHAEL
3505	KING, ROBERT D
3506	MEMOVICH, RICHARD J
3508	LAMOREAUX, C D
3509	DILL, BETHANY B
3511	DEORA, ARUN J

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

23RD ST SE 2000

118 P M P SECURITY SERVICE INCORPORATED
121 BOBS AUTOMOTIVE

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

22ND ST SE 1995

1207	GENOWAY, DAVID
1211	COLEMAN, JOHNNY E
1301	OCCUPANT UNKNOWNN
1305	LUNDGBORG, JOHN B
2402	MCDANIELS, RAYMOND A
2403	OCCUPANT UNKNOWNN
2404	GLEIM, GERALD L
2406	ANDERSON, TIMOTHY
2408	RUSLER, GREGORY L
2410	FORD, ROBERT
2412	GOOLD, MARTIN W
3402	SHOWACY, ED
3404	TERRY, DAVID
3405	OCCUPANT UNKNOWNN
3406	OCCUPANT UNKNOWNN
3410	ROCKSTAD, BYRON J
3503	SMITH, DANIEL
3505	KING, ROBERT D
3506	MEMOVICH, RICHARD J
3507	OCCUPANT UNKNOWNN
3508	JINKS, CLAUD
3511	SNYDER, WARREN
3604	HANNA, RANDY
3606	BROOK, MICHAEL
3608	KONECNY, RAYMOND J

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

23RD ST SE 1995

114	W SAM LIPOMA INCOME TAX
118	LEWIS, DAVID
	PMP SECURITY SVC INC
120	MEEKHOF, MARK
121	BOBS AUTOMOTIVE
124	OLSSON, BRIAN
133	EVERGREEN WHOLESALE SPORTS
136	OCCUPANT UNKNOWNN
210	OCCUPANT UNKNOWNN
216	DETRAY, ARNOLD

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

22ND ST SE 1992

1207	GENOWAY, DAVID
1211	ARCHIE, ELLIOTT
1302	MARTIN, MARY E
1305	LUNDGBORG, JOHN B
2402	MCDANIELS, RAYMOND A
2404	GLEIM, GERALD L
2406	SCHAEFER, FLYNN
2408	RUSLER, GREGORY L
2410	FORD, ROBERT
2412	GOOLD, MARTIN W
	PARKWOOD HOMES
3404	WRIGHT, BOB
3405	LILLER, PHILIP M
3406	TONEY, GORDON
3410	ROCKSTAD, BYRON J
3505	KING, ROBERT D
3506	MEMOVICH, RICHARD J
3508	JINKS, CLAUD
3511	SNYDER, WARREN
3604	HANNA, RANDY
3606	BROOK, MICHAEL
3608	KONECNY, RAYMOND J
3611	KUCHARZAK, MICHAEL

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

23RD ST SE 1992

114	LIPOMA, W S
	W S LIPOMA INCM TX
116	L&L EVERGREEN CO
117	COOL-TEC
	COOLER TECHNLGY
118	CHEMICAL HANDLNG
121	BOBS AUTOMOTIVE
124	OLSSON, BRIAN
133	EVERGRN WHLSL SPRT
	PUGET SND BSNS SVC
136	PAYNE, STEVEN
210	MURPHY, DARLENE
21612	DEARTH, DAVID

TAPCO "It's where you belong"
Tapco Credit Union
TEL. 565-9895
Toll Free Tel. 1-800-345-7183
6312 S. 19th St. Tacoma
CU

22D ST NW–Contd

925 Nikolao Cheryl E Mrs ◎ 848-3613
929 Osmore Ernest B ◎ 845-6926
1003 Nash David E 845-6990
1006 Davis J L 848-5105
1007 Belshay Richd L ◎
1010 Perkuhn Rod ◎ 848-2141
1011 Stark W A ◎ 840-0843
1331 Swanson Ronald A ◎ 845-1864
1332 Drake Robt E 845-3305
1333 Mc Kee S L
1334★Lazarz David L
1339 Iovino Aniello ◎ 845-3779
1340 Gales Robt W ◎ 848-7734
14TH AV NW INTERSECTS

7

22D ST SE –FROM 2126 12TH AV SE SOUTH

ZIP CODE 98372
12TH AV SE INTERSECTS
1203★Bahr Roger ◎
1207 Genoway David ◎ 841-1226
1210 Zachary Lance W ◎ 848-5011
1211 Christensen Construction Co 848-8356
Christensen Berger ◎ 848-8356
13TH ST SE INTERSECTS
1302 Martin Mary E ◎ 845-6757
1305★Lundborg John ◎ 841-0605
14TH AV SE INTERSECTS

13

24TH AV SE INTERSECTS
2402 Correll John Edgar ◎ 858-6412
2403 Brock-Anderson Albert C ◎ 841-9627
2404 Gleim Jerry ◎ 845-2449
2406 Schaefer Flynn ◎ 845-2024
2407 Keller Larry R ◎ 845-2433
2408 Rusler Gregory L ◎ 841-2157
2410 Ford Robt ◎ 848-3943
2412 Goold Martin W 845-4636
25TH AV SE INTERSECTS
34TH AV SE INTERSECTS
3402★Royer Thomas ◎ 841-3981
3404 Vacant
3405★White Larry M ◎ 848-6530
3406 Milton T R ◎ 840-1240
3408 Newbauer John A ◎
3410 Rockstad Byron J 845-5104
3503 Ruiz D
35TH AV SE INTERSECTS
3505 King Robt D 845-2480
3506 Vacant
3507 Vacant
3508 Jinks Claud ◎ 848-7724
3509★Beaver R S fin conslt ◎ 848-6522
36TH AV SE INTERSECTS
MANORWOOD DR INTERSECTS
3604★Allott Leonard ◎
3605★Brockway Charles ◎ 845-9735
3606★Joniec Christopher M ◎ 841-7471
3607★Williams Terry ◎ 848-5206
3608★Snyder Warren ◎ 848-7115
3609 Vacant
3610★Horton Leon C ◎ 848-7729
3611★Kucharzak Michl ◎ 841-1671

16-A

22D ST SW –FROM 1-8 MILE NORTH OF 2200 9TH AV SW SOUTH

ZIP CODE 98371
708★Brouillet Marc ◎
709★Scelzi Jerry J ◎ 848-2292
714 Taylor Dean L ◎ 841-9337
717 Design Development archt 845-9542
Scheurer Larry E ◎ 848-7231
720 Jaeger Tim B ◎ 841-7162
721 Vacant
723 Peck Craig A ◎
728★Smith Danl W ◎ 841-4404
731 Barenz Don L 845-7361
734★Skelly Karen B ◎ 848-2409
739 Vacant
740 Under Constn
745 Vacant
746 Vacant
806 Houston Patricia 845-7467
8TH AV SW BEGINS
826 Seeley Roy 848-6420
827★Warwick Oswald O 848-9072
834 Potter John W ◎ 841-0830
835 Swanson John P ◎ 848-2655
9TH AV SW INTERSECTS

Target Street	Cross Street	Source
✓	-	Polk's City Directory

1348 Wiese Helmut ◎ 845-2907
14TH AV NW ENDS

1

23D ST SE –FROM 2300 E MAIN AV SOUTH

ZIP CODE 98372
E MAIN AV INTERSECTS
110★Erickson Norma L
114 Lipoma Sam Income Tax preparation 845-4006
117 Cool Tec 840-1631
118 L & L Evergreen xmas trees 845-2087
6 120 Vacant
121 Bob's Automotive repr
124★Butts S D ◎
133 Evergreen Wholesale Sports 845-7776
Puget Sound Business Services bkpg serv 848-8688
136 Vacant
201 Danielson Berry Farm
Danielson Stanley ◎
INTER AV SE INTERSECTS
210 Murphy Darleen A Mrs ◎ 841-4507
216 Vacant
216½ Vacant
422 Hansen Gordon Jr
426 Ferrellgas bottled 845-1955
RAILROAD CROSSING
E PIONEER AV INTERSECTS

16-A

23D ST SW –FROM 2205 7TH AV SW SOUTH TO 2212 8TH AV SW

Dahlke-Bargmeyer, Inc.
305 E. Stewart Ave., Puyallup
(206) 845-8851

76

22D ST NW—Contd
909★Lee D
912 Ritchie Fredk H
913★Hoekstra Stacy ◎
916 Ralls Darrell ◎ 848-8309
917 Zajac John V ◎ 845-5818
920 Sagen Miles T ◎ 848-7807
921 Bowen Diana ◎ 848-5859
925 Nikolao Mosamoa P ◎ 848-3613
929 Osmore Ernest ◎ 845-6926
1003 Nash David E 845-6990
1006★Davis J L 848-5105
1007 Belshay Richd L ◎
1010 Perkuhn Rod ◎ 848-2141
1011★Stark W A ◎ 848-5621
1331 Swanson Ronald A 845-1864
1332 Drake Robt 845-3305
1333 Vacant
1334 No Return
1339 Iovino Aniello ◎ 845-3779
1340 Gales Robt W ◎ 848-7734
14TH AV NW INTERSECTS

7

22D ST SE —FROM 2126 12TH AV SE SOUTH

ZIP CODE 98371
12TH AV SE INTERSECTS
1203 Bahr Roger J ◎
1207 Genoway David ◎ 841-1226
1210 Zachary Lance W ◎
1211 Christensen Construction Co 848-8356
Christensen Berger ◎ 848-8356
13TH PL SE INTERSECTS
1302 Martin M E ◎ 845-6757
1305★Judd Earle W ◎
14TH AV SE INTERSECTS

13

24TH AV SE INTERSECTS
2402 Espe Gladys ◎ 841-2317
2403 Knajdek Gary Lee ◎
2404 Gleim Jerry ◎ 845-2449
2406 Hansen Alan W ◎ 848-0018
2407 Keller Larry ◎ 845-2433
2408 Rusler Gregory L ◎ 841-2157
2410 Vacant
2412 Goold Martin W 845-4636
2414 Morrison Richd ◎ 848-0828
25TH AV SE INTERSECTS
34TH AV SE INTERSECTS
3402 Vacant
3404★Burlingame Gary ◎ 848-3159
3406★Jackson Steven ◎ 841-4519
3408 Vacant
3410 Vacant
35TH AV SE INTERSECTS
3503★Ruiz D
3505 Under Constn
3506★Fraser Thomas 848-8466
3507 Harada Yutaka 848-9308
3508 Foy G L 848-9709
3509★Mackey Wm
MANORWOOD DR SE
INTERSECTS

16

22D ST SW —FROM 7TH AV SW ONE WEST OF 21ST ST SW SOUTH

ZIP CODE 98371
720 Vacant
723 Under Constn
728★Ortiz Carlos M ◎ 848-4177
739★Skelly M
835★Swanson John P ◎ 848-2655

9

23D AV SE (SOUTH CITY LIMITS)—FROM 2300 MERIDIAN ST S EAST

ZIP CODE 98371
113 Morris Walter H ◎ 845-5991
115 Ivy Jack M ◎
120 Wildwood Medical-Dental
Bohanan Jack R dentist 848-9316
Oh Geo D phys 848-4453
Tindall Le Roy E dentist 848-9317
Puyallup Valley Physical Therapy 848-2309
206★Asp Lawrence W 841-0121
207 Fisher Marilyn E ◎ 848-4258
215 Hicks Donald M ◎ 848-1057
225 Wilson Sylvia M Mrs 845-0281
3D ST SE INTERSECTS
325 Ferrucci Vitt P ◎ 845-8122
327 Henderson Donald E ◎ 845-5273
404 Robbins Fred M ◎ 845-5971
5TH ST SE INTERSECTS
510★Palsy Truman W ◎
516 Rudolph D F ◎ 845-8145
519 Sanders Geo A ◎ 848-0635
521★Hart Kathy
525 Zimbelman Clyde ◎
7TH ST SE INTERSECTS
702 Puyallup Valley Orthopedic Surgeons 845-6606
Hopp Duane F phys 473-1300
Mott Donald H phys 473-1300
Renn John S phys 473-1300
719 Phillips James ◎ 845-2467
729★Tamura Mark
731 Hammond Bradford 845-3474
9TH ST SE INTERSECTS

Target Street	Cross Street	Source
✓	-	Polk's City Directory

848-3196
1344 Gilge Ronald ◎ 848-4407
1348 Wiese Helmut ◎ 845-2907
14TH AV NW INTERSECTS

7

23D ST SE —FROM 2300 MAIN AV E SOUTH

ZIP CODE 98371
110★Mendez Char
114 Lipoma Sam Income Tax preparation 845-4006
117 Prairie Market 326 848-2067
118 L & L Evergreen xmas trees 845-2087
120★Christofferson Steven J
121 Northwest Commercial Investors land investments 848-8973
124 Reece Harold W ◎ 845-9700
136 No Return
201 Danielson Berry Farm 845-2695
Danielson Stanley ◎ 845-2695
INTER AV INTERSECTS
210 Murphy Timothy E ◎ 848-3833
216 Vacant

Target Street	Cross Street	Source
✓	-	Polk's City Directory

23RD ST SE 1984

78

23D ST SE—Contd

216½ ★Hansen Mark W 845-8518

422★Hansen Gordon Jr ◎

426 Buck Eye Gas Products Co
propane gas sls 845-1955

16

23D ST SW —FROM 7TH AV
SW 1 BLK W OF 22D ST SW

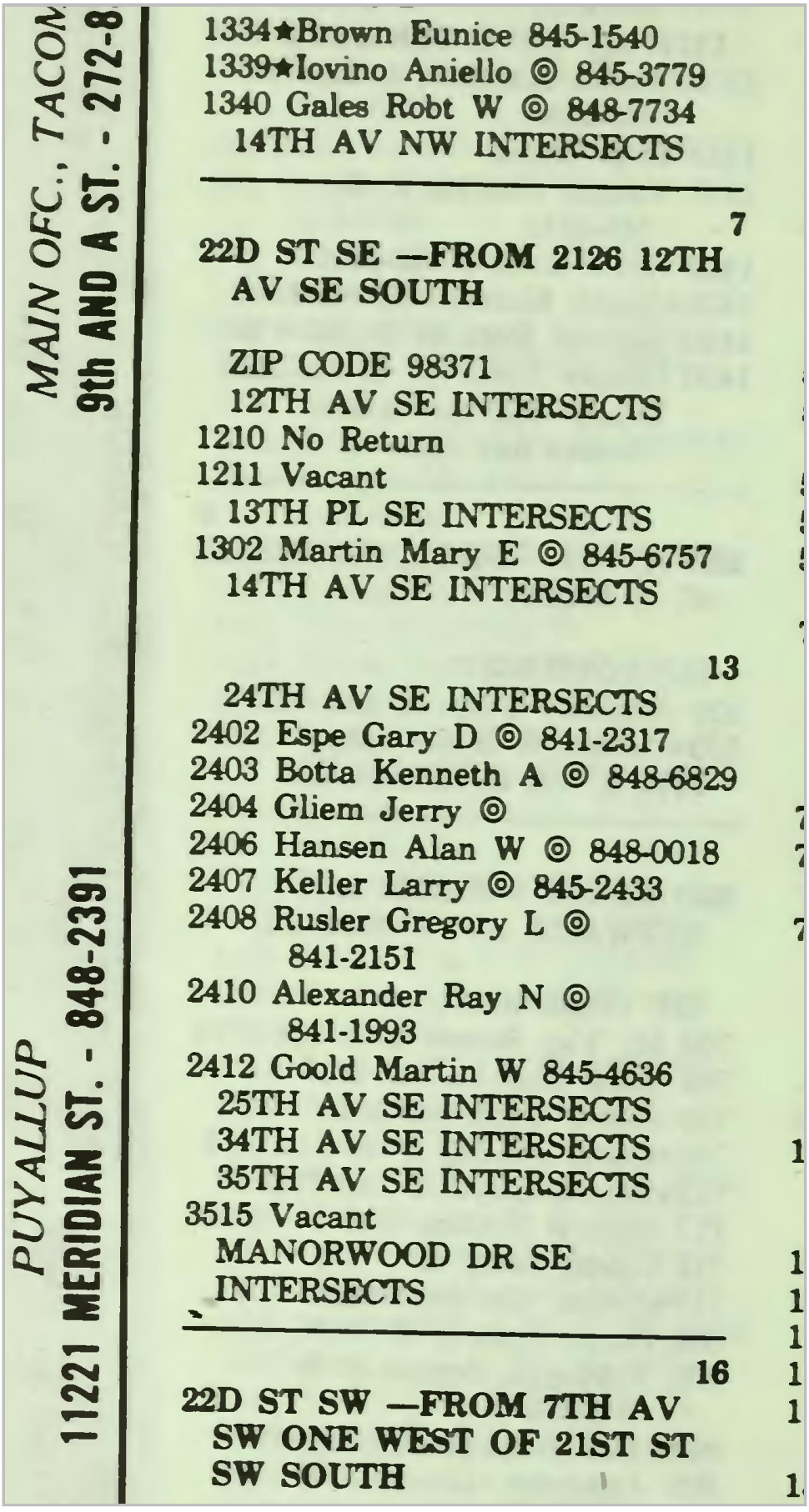
713 Vacant

714★Olson Sig ◎ 841-2527

720★Hoagle Carl A ◎ 845-6595

Target Street	Cross Street	Source
-	✓	Polk's City Directory

22ND ST SE 1979



1334★Brown Eunice 845-1540
1339★Iovino Aniello ◎ 845-3779
1340 Gales Robt W ◎ 848-7734
14TH AV NW INTERSECTS

7

22D ST SE —FROM 2126 12TH AV SE SOUTH

ZIP CODE 98371
12TH AV SE INTERSECTS
1210 No Return
1211 Vacant
13TH PL SE INTERSECTS
1302 Martin Mary E ◎ 845-6757
14TH AV SE INTERSECTS

13

24TH AV SE INTERSECTS
2402 Espe Gary D ◎ 841-2317
2403 Botta Kenneth A ◎ 848-6829
2404 Gliem Jerry ◎
2406 Hansen Alan W ◎ 848-0018
2407 Keller Larry ◎ 845-2433
2408 Rusler Gregory L ◎ 841-2151
2410 Alexander Ray N ◎ 841-1993
2412 Goold Martin W 845-4636
25TH AV SE INTERSECTS
34TH AV SE INTERSECTS
35TH AV SE INTERSECTS
3515 Vacant
MANORWOOD DR SE INTERSECTS

16

22D ST SW —FROM 7TH AV SW ONE WEST OF 21ST ST SW SOUTH

MAIN OFC., TACOMA 9th AND A ST. - 272-8
PUYALLUP 11221 MERIDIAN ST. - 848-2391

Target Street	Cross Street	Source
✓	-	Polk's City Directory

23RD ST SE 1979

1344★Gilge Ronald ◎ 848-4407
1348★Wiese Helmut ◎ 845-2907
14TH AV NW INTERSECTS

7

23D ST SE —FROM 2300 MAIN AV E SOUTH

ZIP CODE 98371
110★Kolk Ken R 845-7496
114 Lipoma Sam Income Tax preparation 845-4006
117 Prairie Market 326 848-2067
118 L & L Evergreen xmas trees 845-2087
120 Leigh Geo ◎ 845-0016
121 Mount Rainer Vintners distr 848-4573
124 Reece Harold W ◎ 845-9700
136 Vacant
201 Danielson Berry Farm 845-2695
Danielson Stanley ◎ 845-2695
INTER AV INTERSECTS
210★Murphy Timie ◎ 848-3833
216★Resch Pete D
216½ Vacant
422 No Return
426 Doxol Gas Of Tacoma 845-1955
Williams Energy propane gas sls 845-1955

13

24TH AV SE —

ZIP CODE 98371
22D ST SE INTERSECTS
2201 Conway Jim H ◎

1107 - 1111 A Street, Tacoma, Washington 98401
TRANSAMERICA

Target Street	Cross Street	Source
✓	-	Polk's City Directory

23RD ST SE 1974

9TH ST SW INTERSECTS
405 Phipps Oliver W ◎ TH5-6057
14TH ST SW INTERSECTS

7

23D ST SE —FROM 2300 MAIN AV E SOUTH

ZIP CODE 98371
117 Prairie Market 326 848-2067
118 L & L Evergreen xmas trees TH5-2087
120 ★ Leigh Geo 845-0016
124 Reece Harold W ◎ TH5-9700
136 ★ Calloway Marvin E TH5-0490
201 Danielson Berry Farm TH5-2695
Danielson Karl I ◎ TH5-2695
210 ★ Christensen H W
INTER AV INTERSECTS
216 ★ Tyler M B 848-2030
INTER AV INTERSECTS
422 Hansen Gordon W Jr ◎ TH5-7245
426 Doxol Gas Of Puyallup UN3-9200

7

25TH ST SE (EAST CITY LIMITS)—FROM 2500 PIONEER AV E SOUTH

Target Street	Cross Street	Source
✓	-	Polk's City Directory

23RD ST SE 1969

HOMES — BUSINESS — FARMS — ACREAGE
LAURENCE GORANSON, Broker
UNiversity 3-6482
GORANSON REALTY
920 Ryan Avenue, Sumner (98390) Office UNiversity 3-8161

71

23D AV SE—Contd
327 Henderson Donald E ◎ TH5-5273
404 Robbins Fred M ◎ TH5-5971
510 Waller Beryle M ◎ 848-2237
516 Rudolph Dwight F ◎ TH5-8145
521 Peterson Peter L TH5-0828
525 Kallen Dean C ◎ TH5-5720
7TH ST S E INTERSECTS
730 Phillips John R ◎ TH5-5730
731 Phillips Lillian Mrs TH5-3342

7

1220 Larson Donovan R ◎ TH5-1924
17TH ST SE INTERSECTS
1700 Puyallup Wildwood Park TH5-5748
Jacobson Norris O TH5-5748
1702 Under Constn
21ST SE INTERSECTS
2210 Myers Roy ◎ TH5-1832
2215 Cascade Septic Service 848-1121
2223 Vacant
2224 Jones Mark W
2303 Newbury Kenneth C ◎ TH5-9338

18

23D AV SW —FROM 2223 MERIDIAN ST WEST

ZIP CODE 98371
5TH ST SW INTERSECTS
9TH ST SW INTERSECTS
405 Phipps Oliver W ◎ TH5-6057
14TH ST SW INTERSECTS

7

23D ST SE —FROM 2300 MAIN AV E SOUTH

ZIP CODE 98371
110 Rule Gerald R
120 Anderson David W ◎ TH5-0470
124 Reece Harold W ◎ TH5-9700
136 Mauro Delmer
201 Danielson Berry Farm TH5-2695
Danielson Karl I TH5-2695
210 Christensen Harold W ◎ TH5-4637
216 King Ethel M Mrs
216½ Bennett Carl
INTER AV INTERSECTS
422 Baker Robt E
426 Redi Gas Service LE7-0208

7

25TH ST SE (EAST CITY LIMITS)—FROM 2500 PIONEER AV E SOUTH

ZIP CODE 98371
704 Slade Izora L Mrs ◎ TH5-4164
704½ Zimmer John
803 Andrews Ralph A ◎ TH5-3795
915 Swesey Emily Mrs
918 Olts Willis L ◎ TH5-2673
919 Zamark Clyde
1002 Stewart J Earl ◎ TH5-2575
1003 Lambert Marvin B ◎ TH5-8671
1009 Bybee Mae D ◎ TH5-9416
1017 Van Lierup Neil A TH5-2543
1106 Absher James L ◎ TH5-2297
1109 Absher Elsie L Mrs ◎ TH5-9212
1110 Janke Julius ◎ TH5-6208

1

27TH ST E —FROM LINDEN DR NORTH, 1 EAST OF 23D AV SE

ZIP CODE 98371
108 Serr Wm T TH5-8341
113 Howard Randolph ◎ TH8-1648
114 Birgen Roger TH5-7640

6

60TH ST E —A CONTINUATION OF 13TH AV N W WEST

ZIP CODE 98371
7615 Rasmussen Martin N ◎ TH5-8763
7623 Calligan Wm A ◎ TH5-1949
7703 Ericson Anne Mrs ◎ TH5-4208
7709 Arnold Norman D ◎ TH5-9395
7715 Schatz Barthol J ◎ TH5-8648
7721 Bennett Geo D ◎ TH5-3335

Target Street	Cross Street	Source
✓	-	Polk's City Directory

23RD ST SE 1964

5th SW intersects
701 Krippaehne Chas E ©
TH5-5617
723 Wilson Gerald G ©
7th SW intersects
9th SW intersects

7

23D SE — From 2300 Main av E south
110 Whitaker Ernest R © TH5-0675
120 Reece Verl E © TH5-8080
124 Reece Harold W © TH5-9700
136 Elgin Albert H TH5-0977
201 Danielson Berry Farm
TH5-2695
Danielson Karl I TH5-2695
202 Vacant

Target Street	Cross Street	Source
✓	-	Polk's City Directory

23RD ST SE 1964

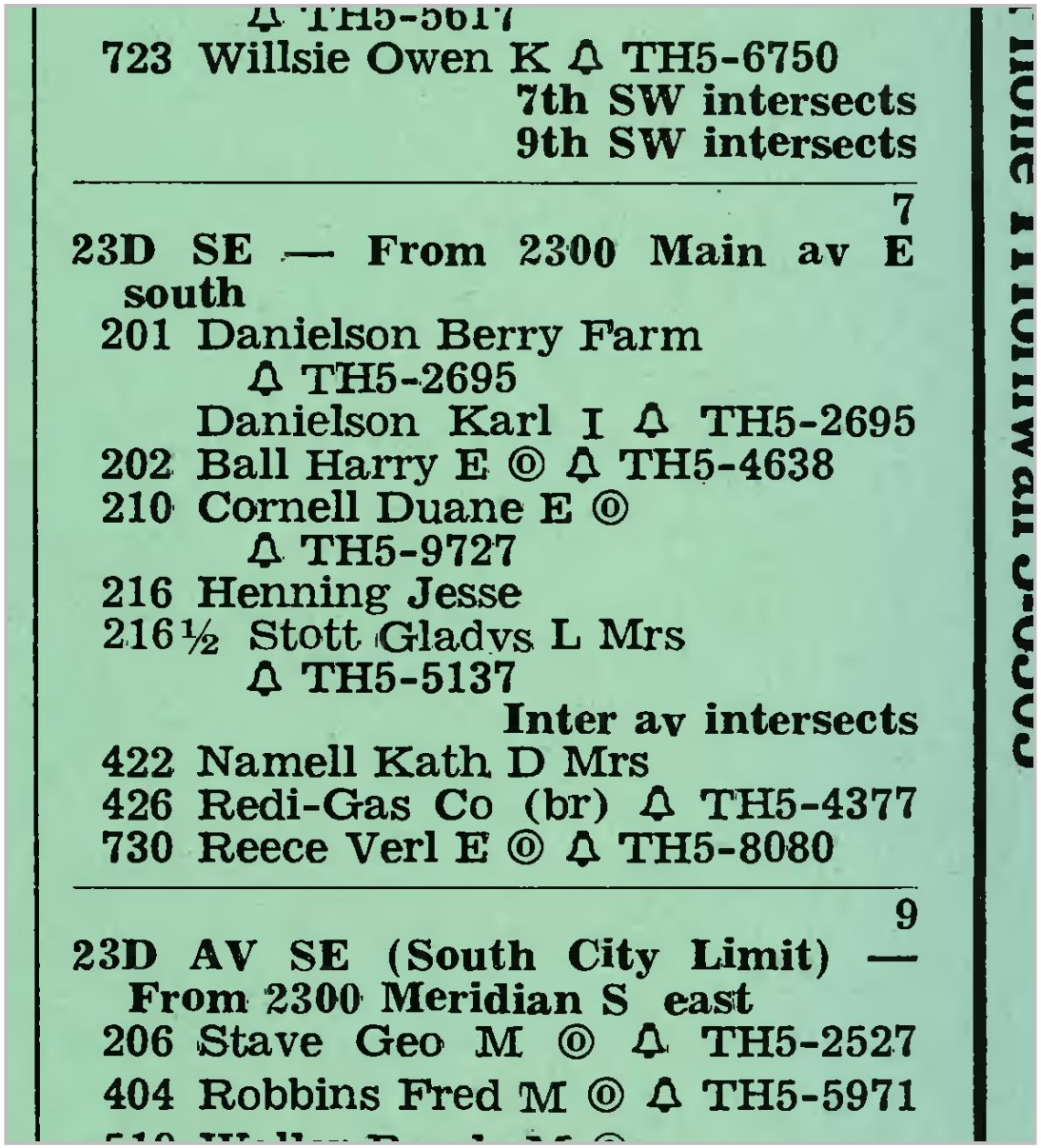
23D SE—Contd
210 Christiansen Harold TH5-4637
216 King Ethel M Mrs
216½ Stott Gladys L Mrs
TH5-5137
Inter av intersects
422 Vacant
426 Redi-Gas Serv (br) TH5-4377

9

23D AV SE (South city limits) —
From 2300 Meridian S east
113 Morris Walter H ⓞ TH5-5991
115 Ivy Jack M ⓞ TH5-2952

Target Street	Cross Street	Source
✓	-	Polk's City Directory

23RD ST SE 1959



△ TH5-5617
723 Willsie Owen K △ TH5-6750
7th SW intersects
9th SW intersects

7

23D SE — From 2300 Main av E south

201 Danielson Berry Farm
△ TH5-2695
Danielson Karl I △ TH5-2695
202 Ball Harry E ◎ △ TH5-4638
210 Cornell Duane E ◎
△ TH5-9727
216 Henning Jesse
216½ Stott Gladys L Mrs
△ TH5-5137
Inter av intersects
422 Namell Kath D Mrs
426 Redi-Gas Co (br) △ TH5-4377
730 Reece Verl E ◎ △ TH5-8080

9

23D AV SE (South City Limit) — From 2300 Meridian S east

206 Stave Geo M ◎ △ TH5-2527
404 Robbins Fred M ◎ △ TH5-5971

Appendix G

EDR Historical Topographic Map Report

ES-5559.06

Sunset Pointe

2301 23rd St SE

Puyallup, WA 98372

Inquiry Number: 7214049.4

December 29, 2022

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

12/29/22

Site Name:

Sunset Pointe
2301 23rd St SE
Puyallup, WA 98372
EDR Inquiry # 7214049.4

Client Name:

Earth Solutions Northwest
15365 NE 90th S
Redmond, WA 98052
Contact: Kyler Kelly

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Earth Solutions Northwest 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. EDRs 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:

P.O.# Sunset Pointe
Project: 5559.06

Coordinates:

Latitude:	47.172539 47° 10' 21" North
Longitude:	-122.265431 -122° 15' 56" West
UTM Zone:	Zone 10 North
UTM X Meters:	555665.88
UTM Y Meters:	5224599.75
Elevation:	372.03' above sea level

Maps Provided:

2020	1961
2017	1956, 1961
2014	1949
1997	1944
1993, 1994	1941, 1942
1981	1900
1973	1897
1968	

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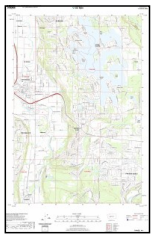
Topo Sheet Key

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

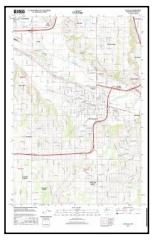
2020 Source Sheets

Puyallup
2020
7.5-minute, 24000

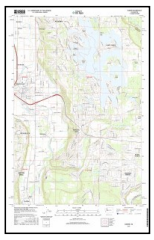


Sumner
2020
7.5-minute, 24000

2017 Source Sheets



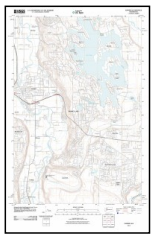
Puyallup
2017
7.5-minute, 24000



Sumner
2017
7.5-minute, 24000

2014 Source Sheets

Puyallup
2014
7.5-minute, 24000



Sumner
2014
7.5-minute, 24000

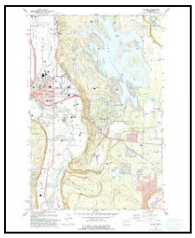
1997 Source Sheets

Puyallup
1997
7.5-minute, 24000
Aerial Photo Revised 1990

Topo Sheet Key

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

1993, 1994 Source Sheets



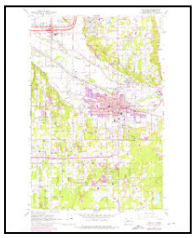
Sumner
1993
7.5-minute, 24000
Aerial Photo Revised 1986

Puyallup
1994
7.5-minute, 24000
Aerial Photo Revised 1990

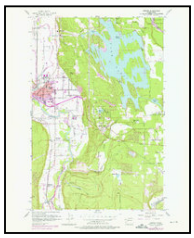
1981 Source Sheets

Puyallup
1981
7.5-minute, 24000
Aerial Photo Revised 1978

1973 Source Sheets

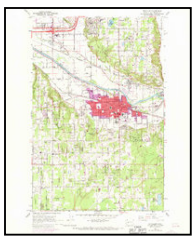


Puyallup
1973
7.5-minute, 24000
Aerial Photo Revised 1973



Sumner
1973
7.5-minute, 24000
Aerial Photo Revised 1973

1968 Source Sheets



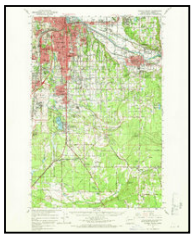
Puyallup
1968
7.5-minute, 24000
Aerial Photo Revised 1968

Sumner
1968
7.5-minute, 24000
Aerial Photo Revised 1968

Topo Sheet Key

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

1961 Source Sheets



Tacoma South
1961
15-minute, 62500

1956, 1961 Source Sheets

Sumner
1956
7.5-minute, 24000
Aerial Photo Revised 1954

Puyallup
1961
7.5-minute, 24000
Aerial Photo Revised 1957

1949 Source Sheets

PUYALLUP
1949
7.5-minute, 25000

1944 Source Sheets

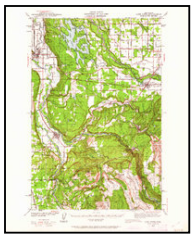
TACOMA SOUTH
1944
15-minute, 50000

Topo Sheet Key

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

1941, 1942 Source Sheets

Tacoma South
1941
15-minute, 62500



Lake Tapps
1942
15-minute, 62500

1900 Source Sheets

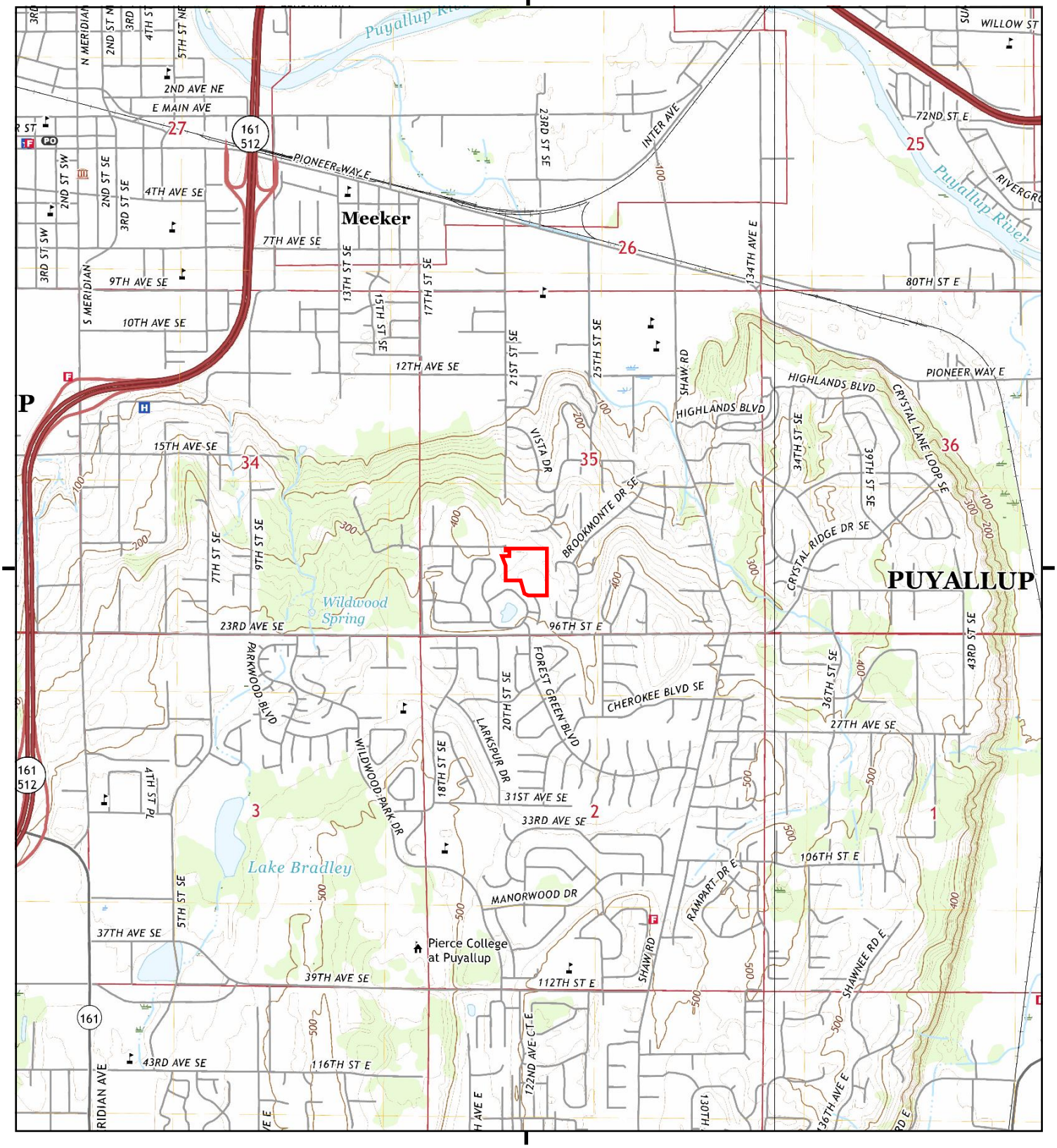
Tacoma
1900
30-minute, 125000

1897 Source Sheets

Tacoma
1897
30-minute, 125000

Historical Topo Map

2020



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

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

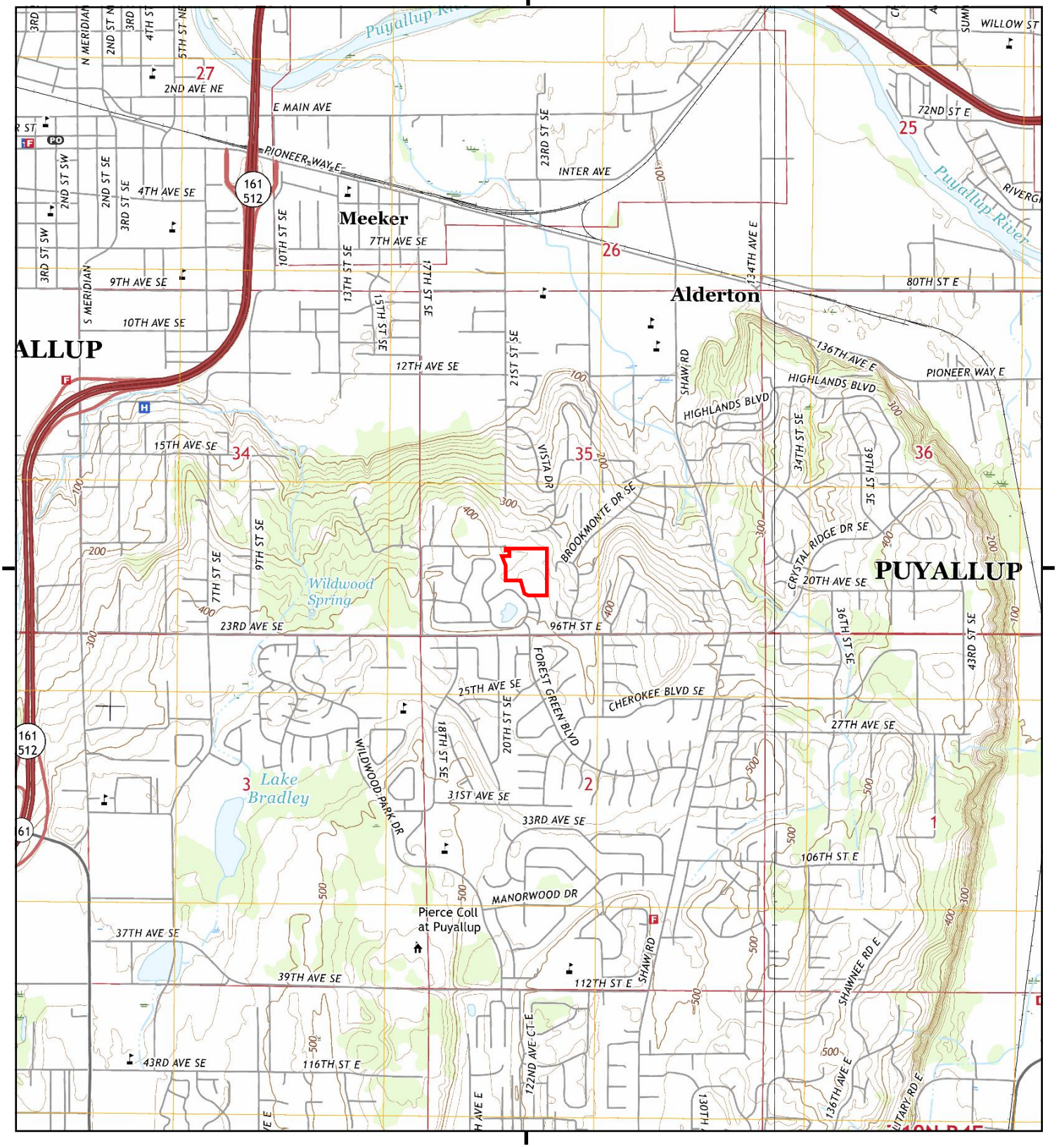
TP, Puyallup, 2020, 7.5-minute
E, Sumner, 2020, 7.5-minute

SITE NAME: Sunset Pointe
ADDRESS: 2301 23rd St SE
Puyallup, WA 98372
CLIENT: Earth Solutions Northwest

N

Historical Topo Map

2017



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

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

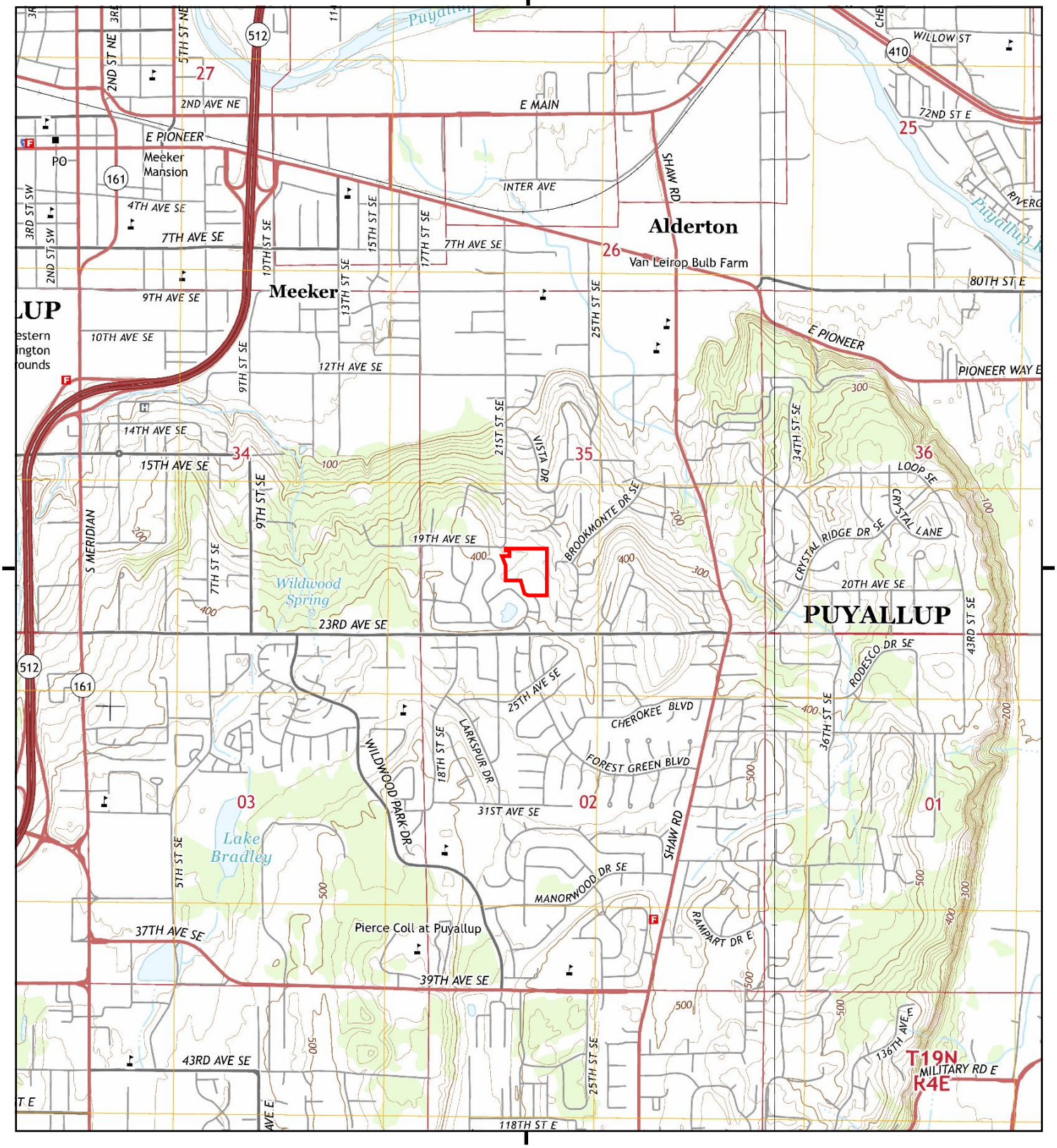
TP, Puyallup, 2017, 7.5-minute
E, Sumner, 2017, 7.5-minute

SITE NAME: Sunset Pointe
ADDRESS: 2301 23rd St SE
Puyallup, WA 98372
CLIENT: Earth Solutions Northwest

N

Historical Topo Map

2014



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

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

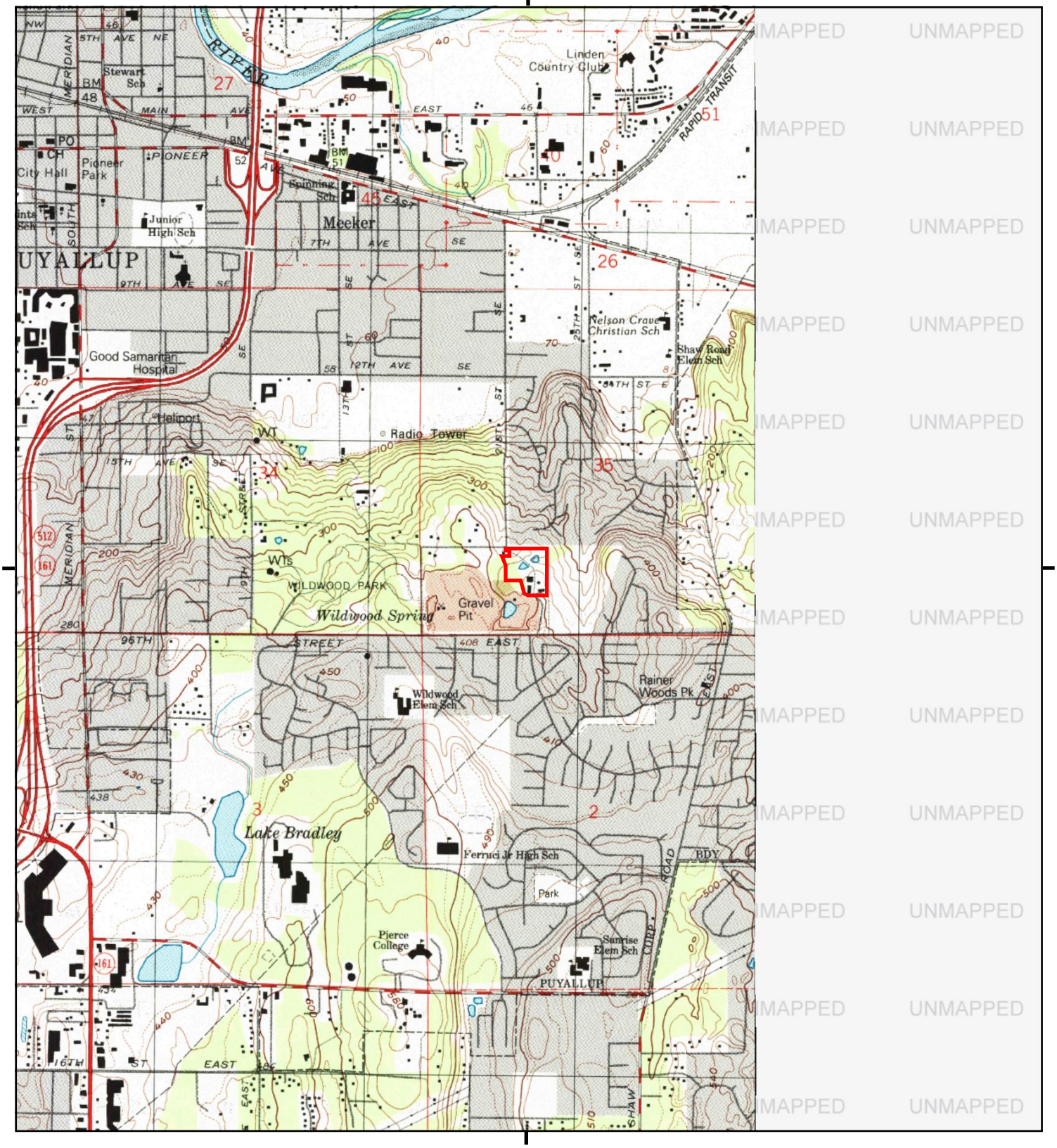
TP, Puyallup, 2014, 7.5-minute
E, Sumner, 2014, 7.5-minute

SITE NAME: Sunset Pointe
ADDRESS: 2301 23rd St SE
Puyallup, WA 98372
CLIENT: Earth Solutions Northwest

N

Historical Topo Map

1997



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

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

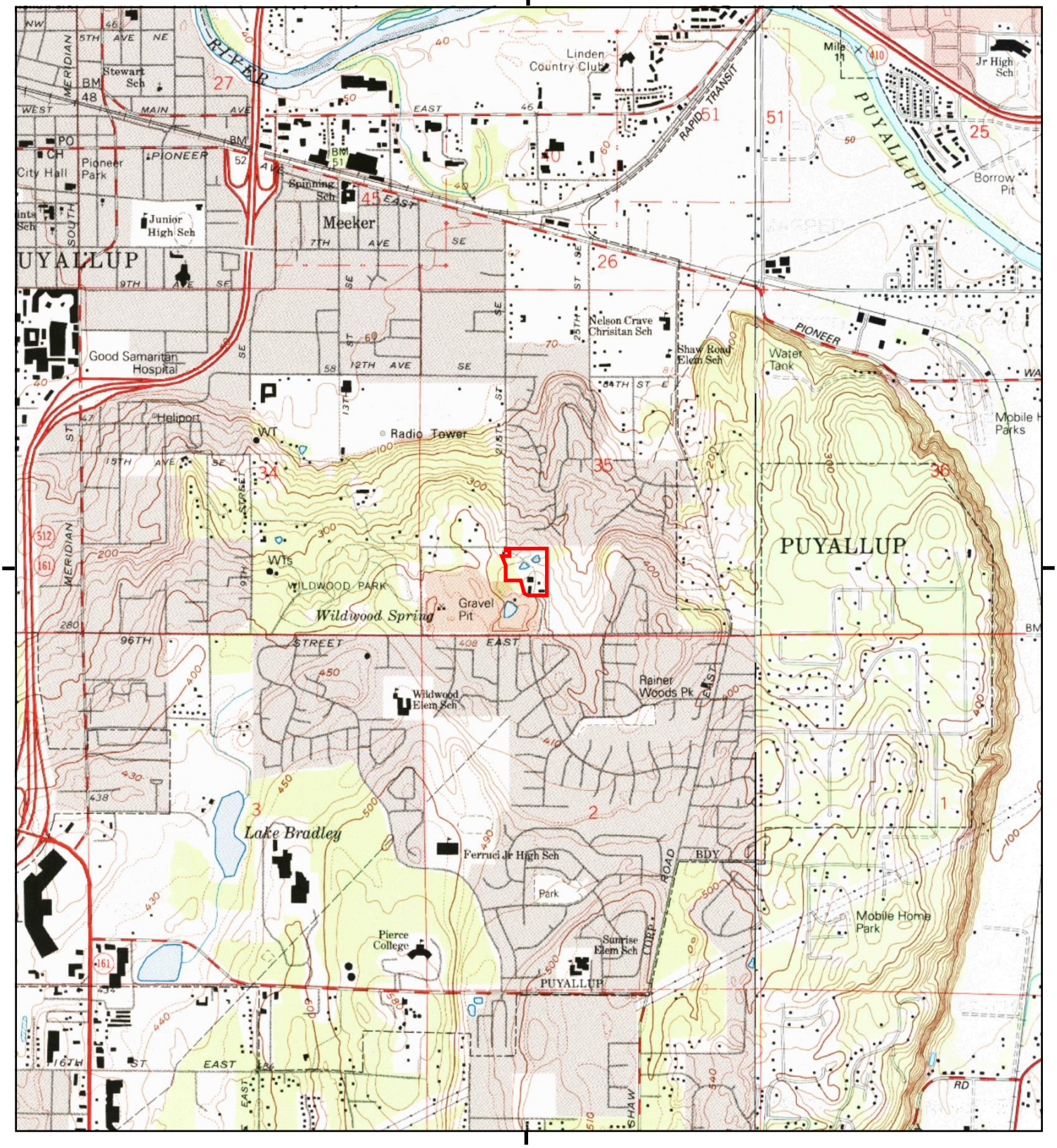
TP, Puyallup, 1997, 7.5-minute

SITE NAME: Sunset Pointe
ADDRESS: 2301 23rd St SE
Puyallup, WA 98372
CLIENT: Earth Solutions Northwest

N

Historical Topo Map

1993, 1994



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

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

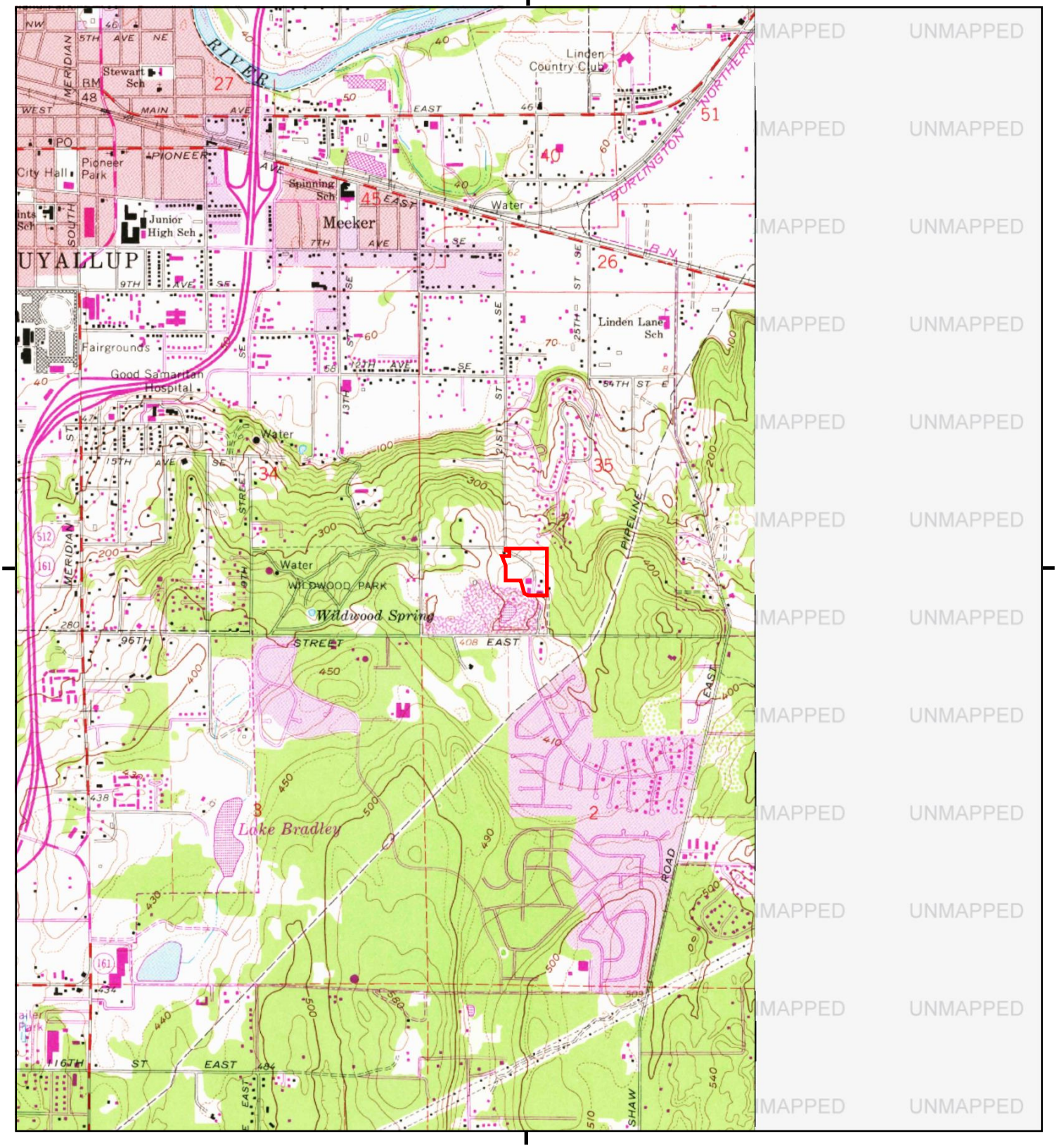
TP, Puyallup, 1994, 7.5-minute
E, Sumner, 1993, 7.5-minute

SITE NAME: Sunset Pointe
ADDRESS: 2301 23rd St SE
Puyallup, WA 98372
CLIENT: Earth Solutions Northwest

N

Historical Topo Map

1981



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

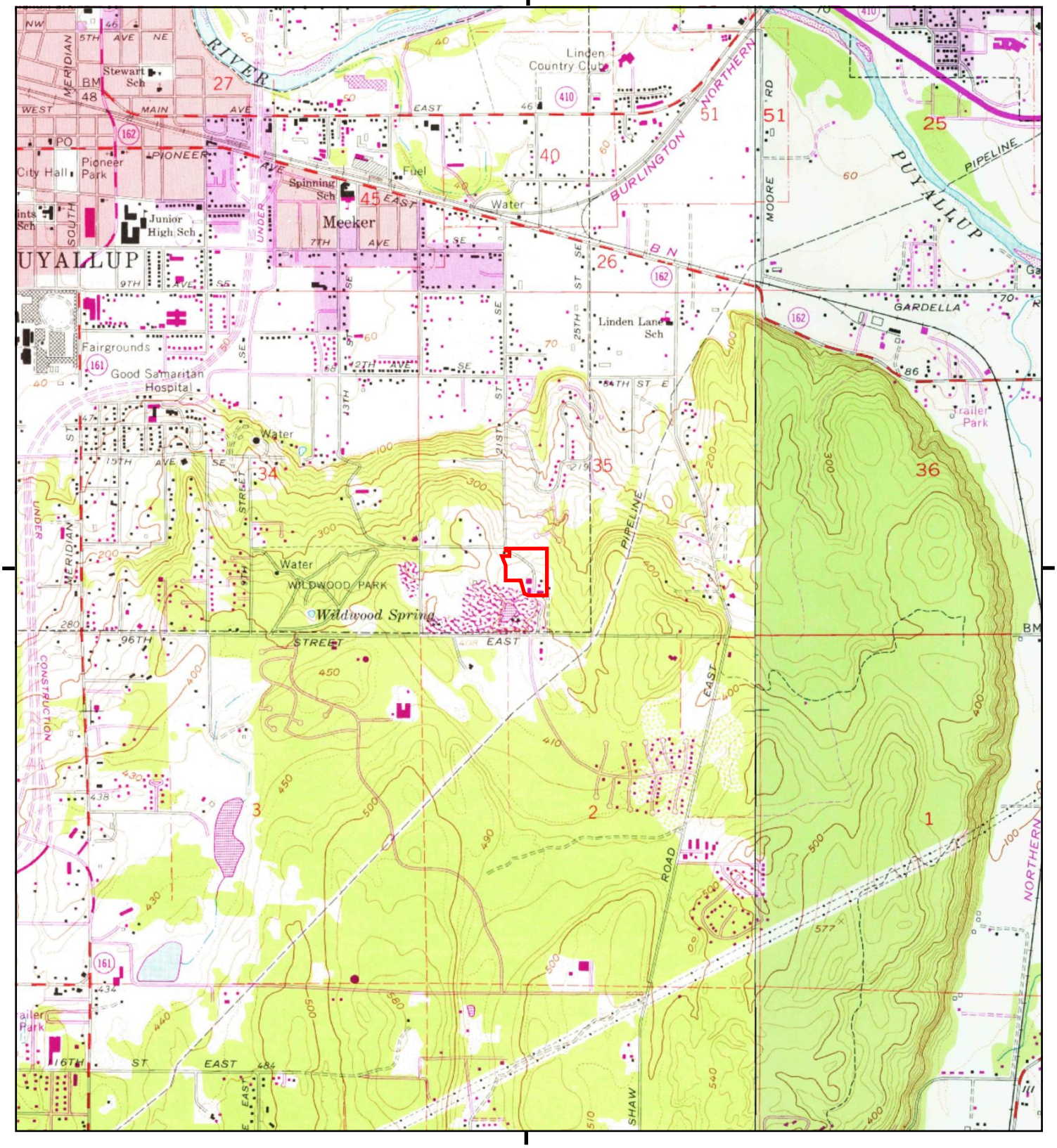
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Puyallup, 1981, 7.5-minute

SITE NAME: Sunset Pointe
ADDRESS: 2301 23rd St SE
Puyallup, WA 98372
CLIENT: Earth Solutions Northwest

N



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

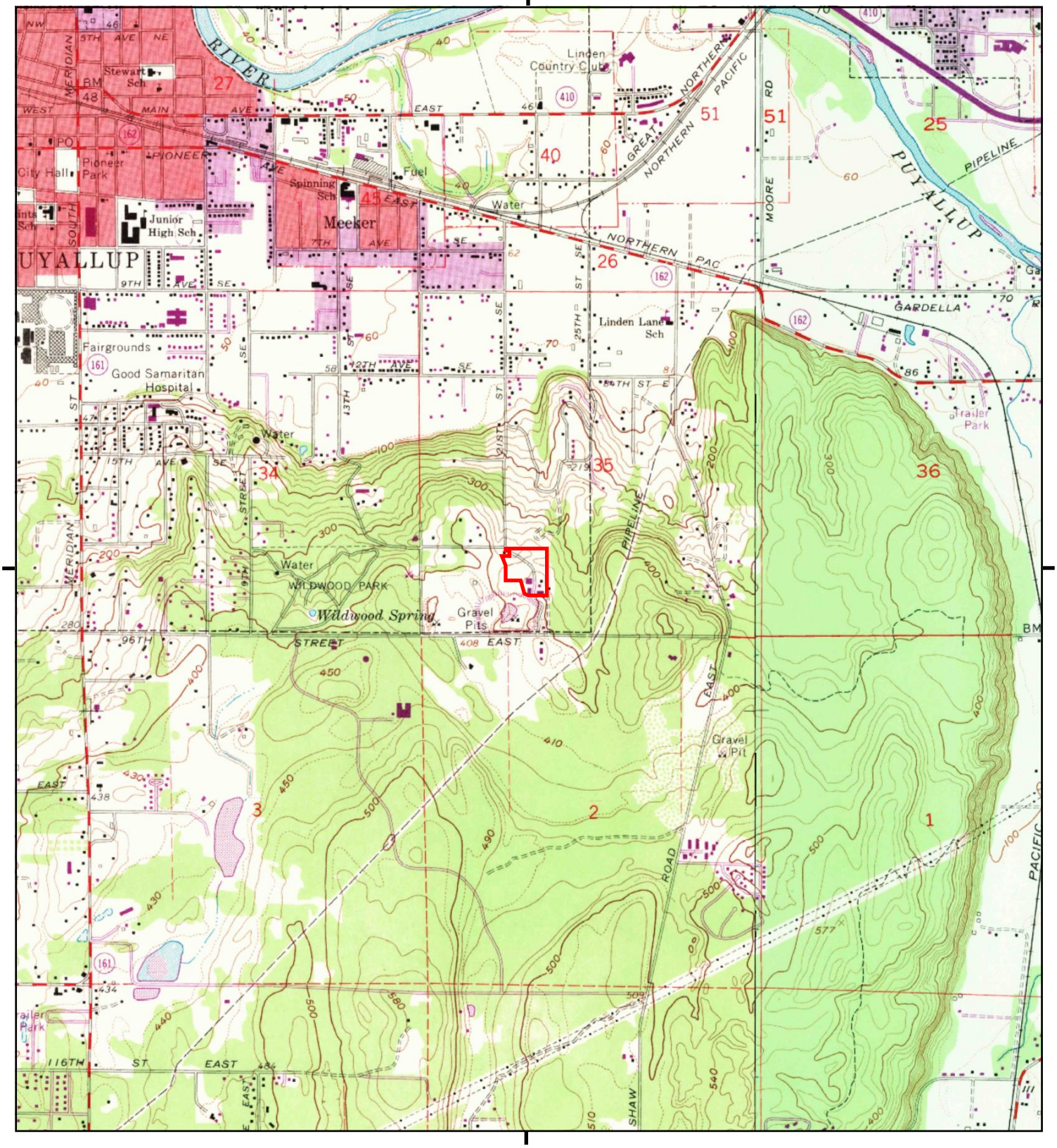
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Puyallup, 1973, 7.5-minute
E, Sumner, 1973, 7.5-minute

SITE NAME: Sunset Pointe
ADDRESS: 2301 23rd St SE
Puyallup, WA 98372
CLIENT: Earth Solutions Northwest

N



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

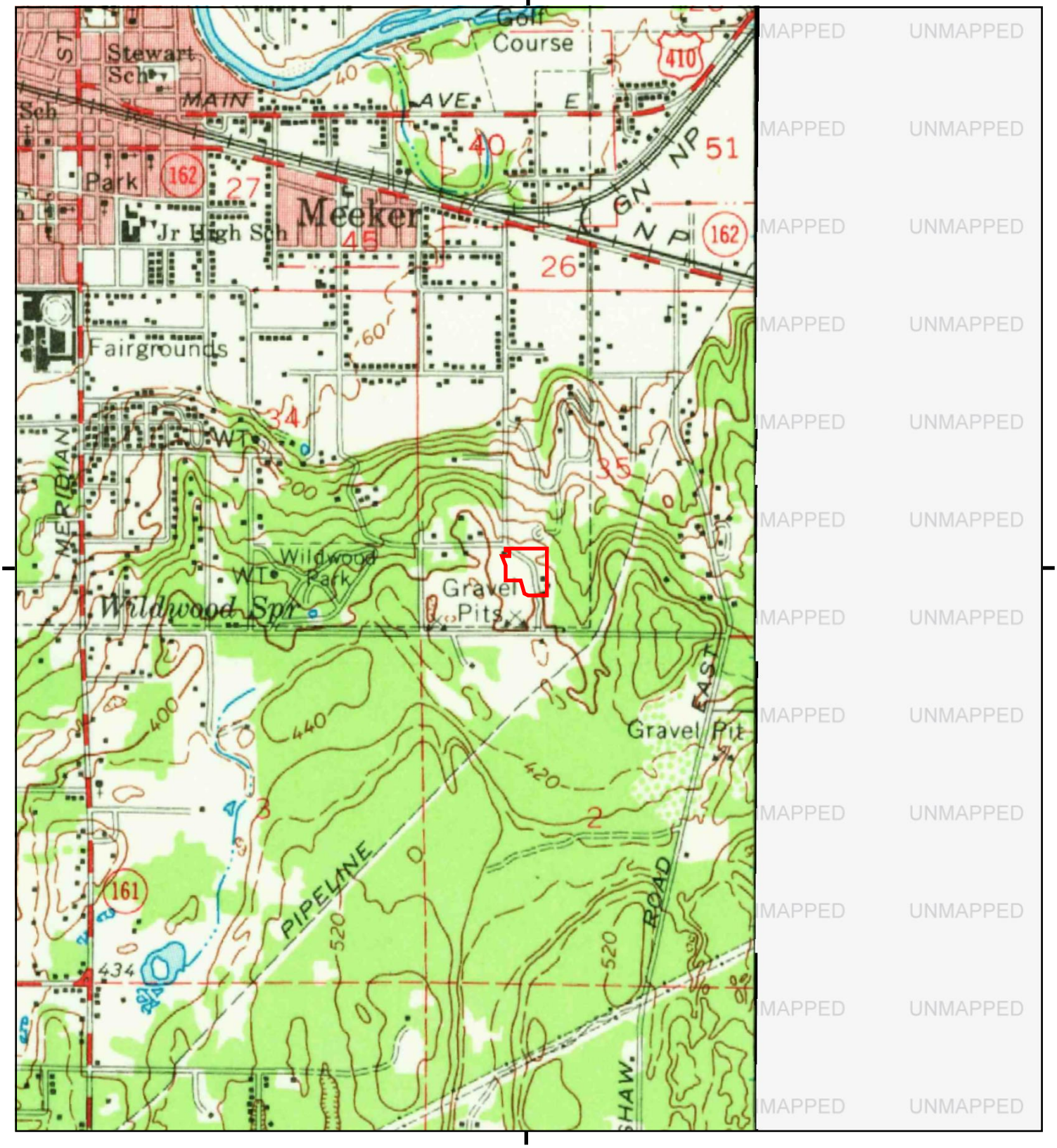
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Puyallup, 1968, 7.5-minute
E, Sumner, 1968, 7.5-minute

SITE NAME: Sunset Pointe
ADDRESS: 2301 23rd St SE
Puyallup, WA 98372
CLIENT: Earth Solutions Northwest

N



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

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

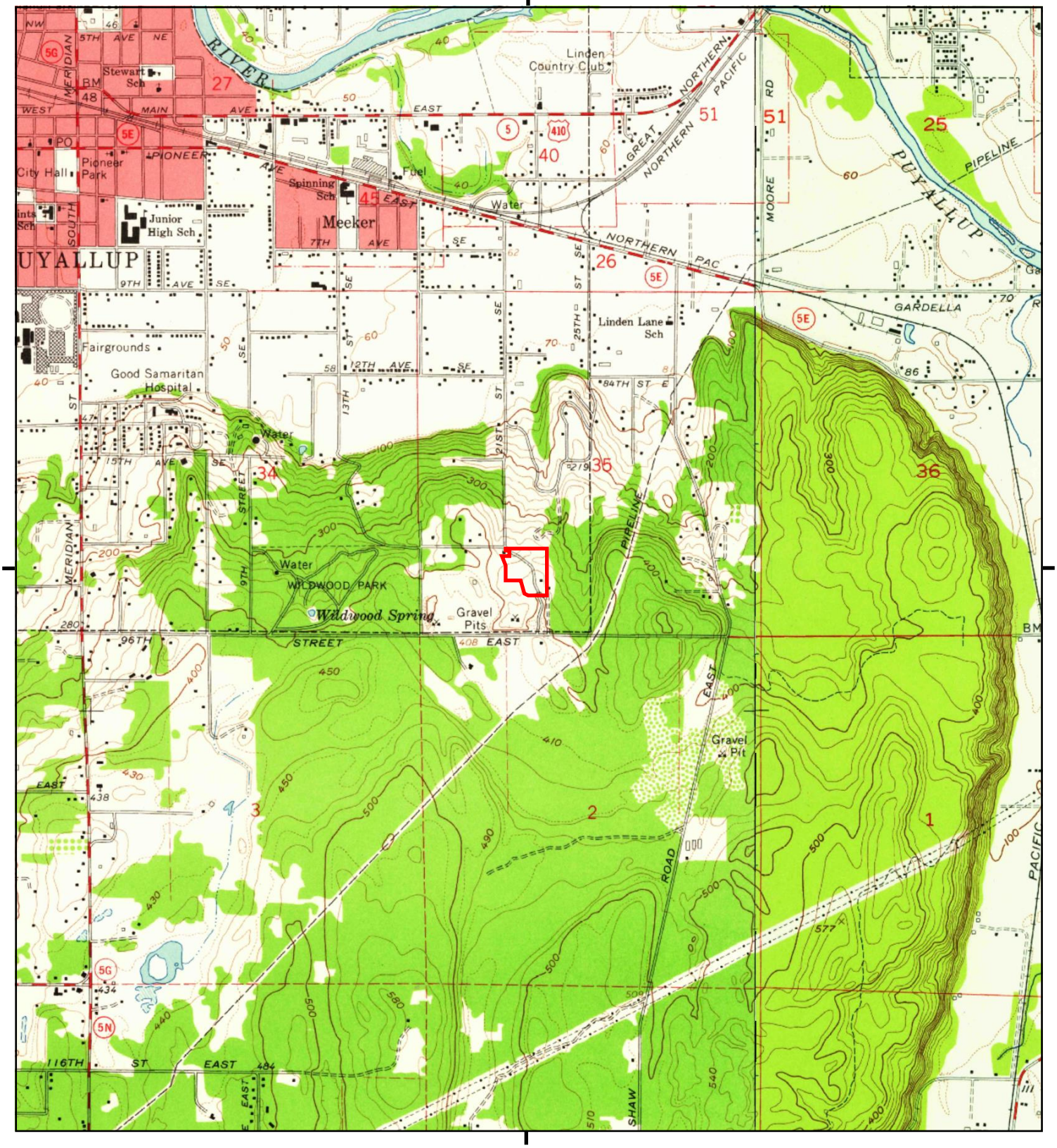
TP, Tacoma South, 1961, 15-minute

SITE NAME: Sunset Pointe
ADDRESS: 2301 23rd St SE
Puyallup, WA 98372
CLIENT: Earth Solutions Northwest

N

Historical Topo Map

1956, 1961



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

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

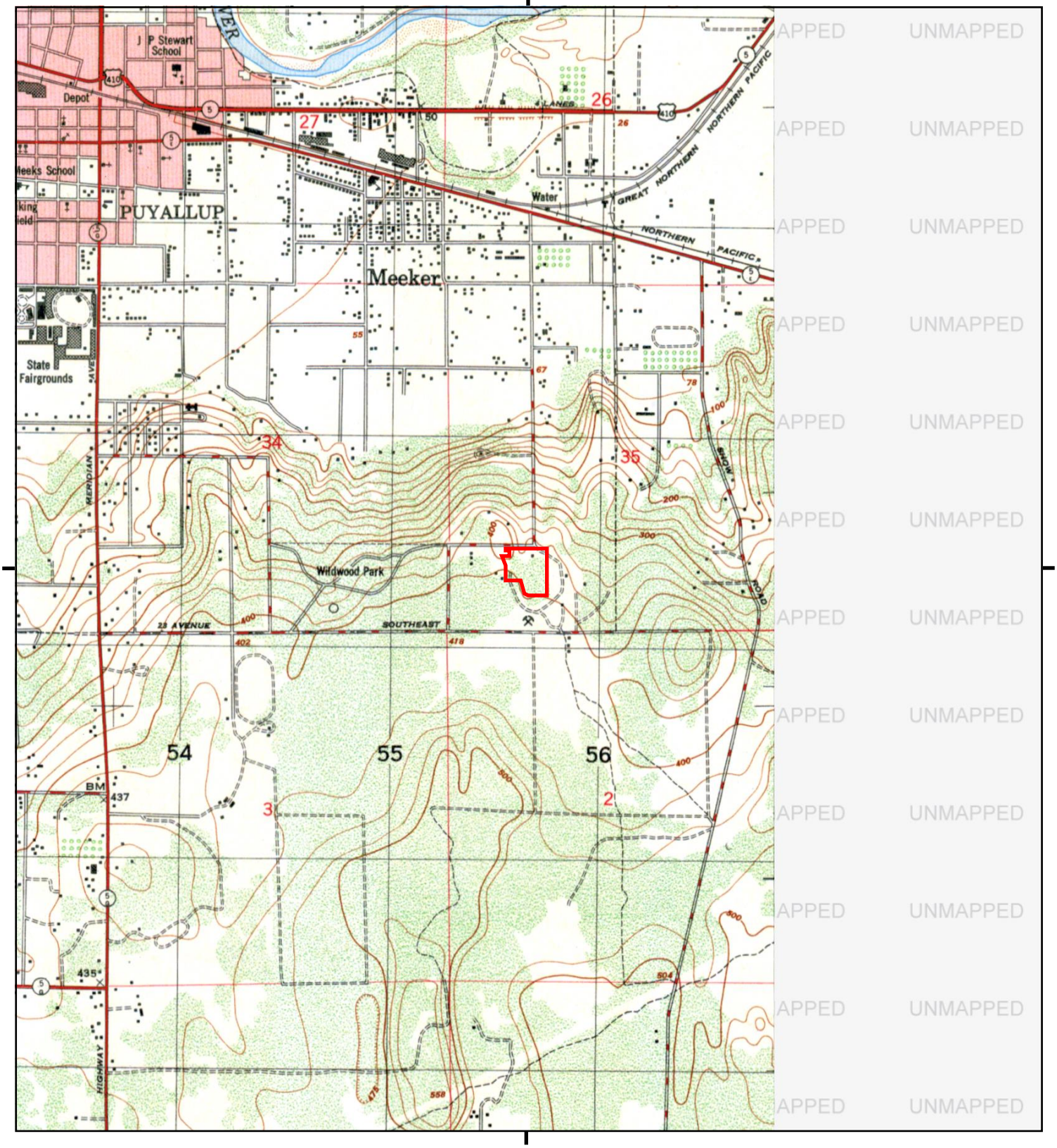
TP, Puyallup, 1961, 7.5-minute
E, Sumner, 1956, 7.5-minute

SITE NAME: Sunset Pointe
ADDRESS: 2301 23rd St SE
Puyallup, WA 98372
CLIENT: Earth Solutions Northwest

N

Historical Topo Map

1949



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

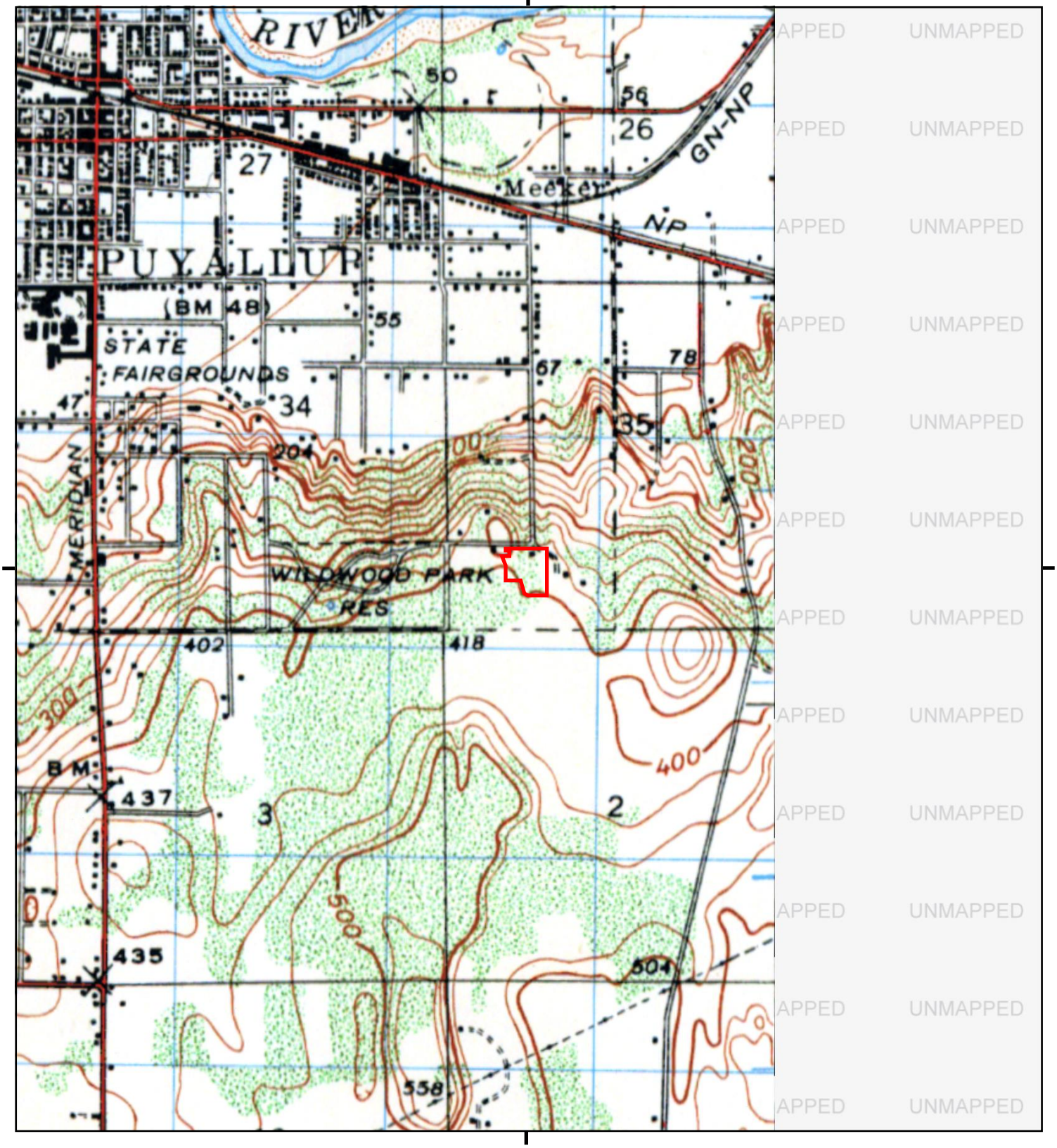
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, PUYALLUP, 1949, 7.5-minute

SITE NAME: Sunset Pointe
ADDRESS: 2301 23rd St SE
Puyallup, WA 98372
CLIENT: Earth Solutions Northwest

N



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

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

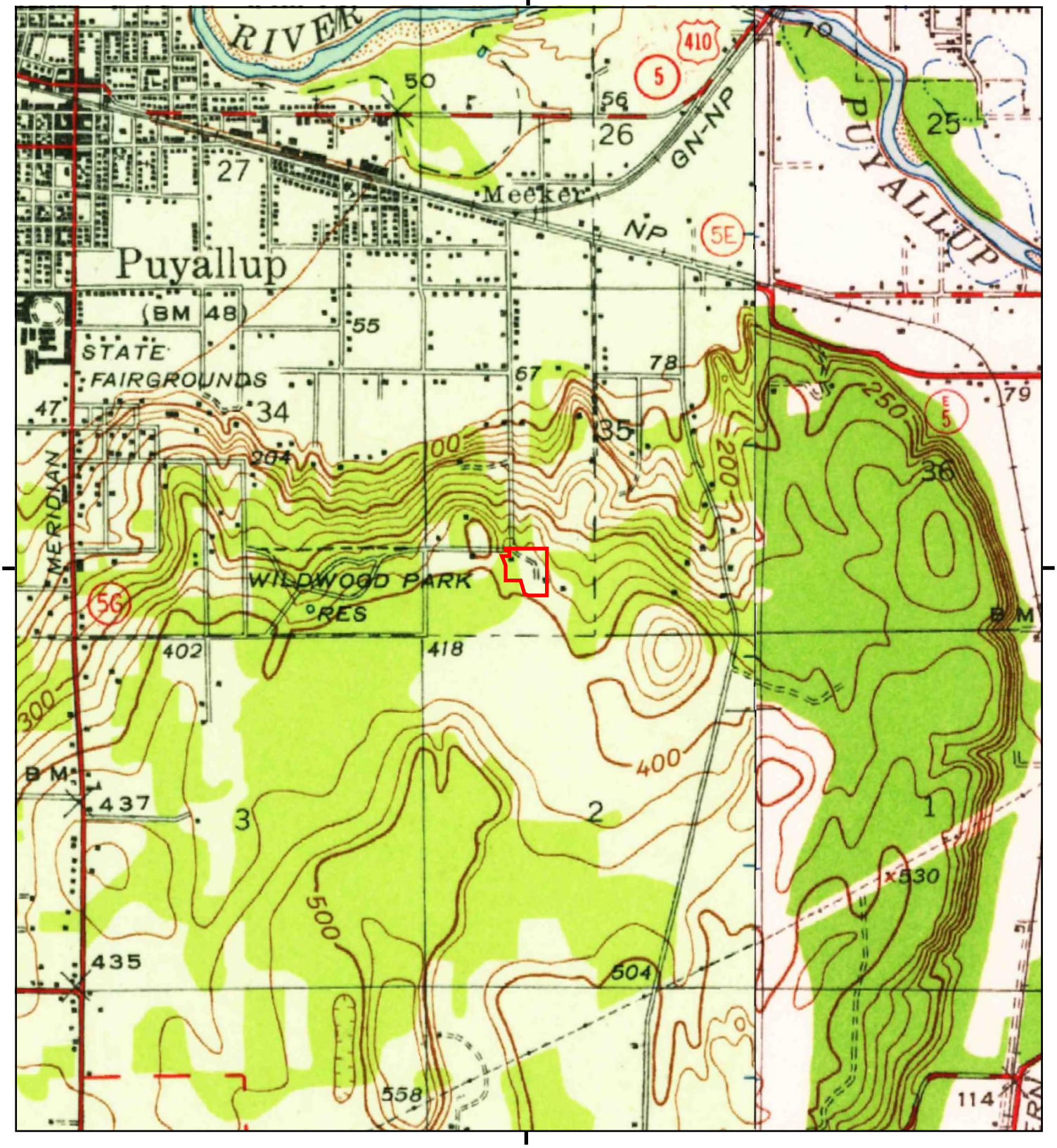
TP, TACOMA SOUTH, 1944, 15-minute

SITE NAME: Sunset Pointe
ADDRESS: 2301 23rd St SE
Puyallup, WA 98372
CLIENT: Earth Solutions Northwest

N

Historical Topo Map

1941, 1942



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

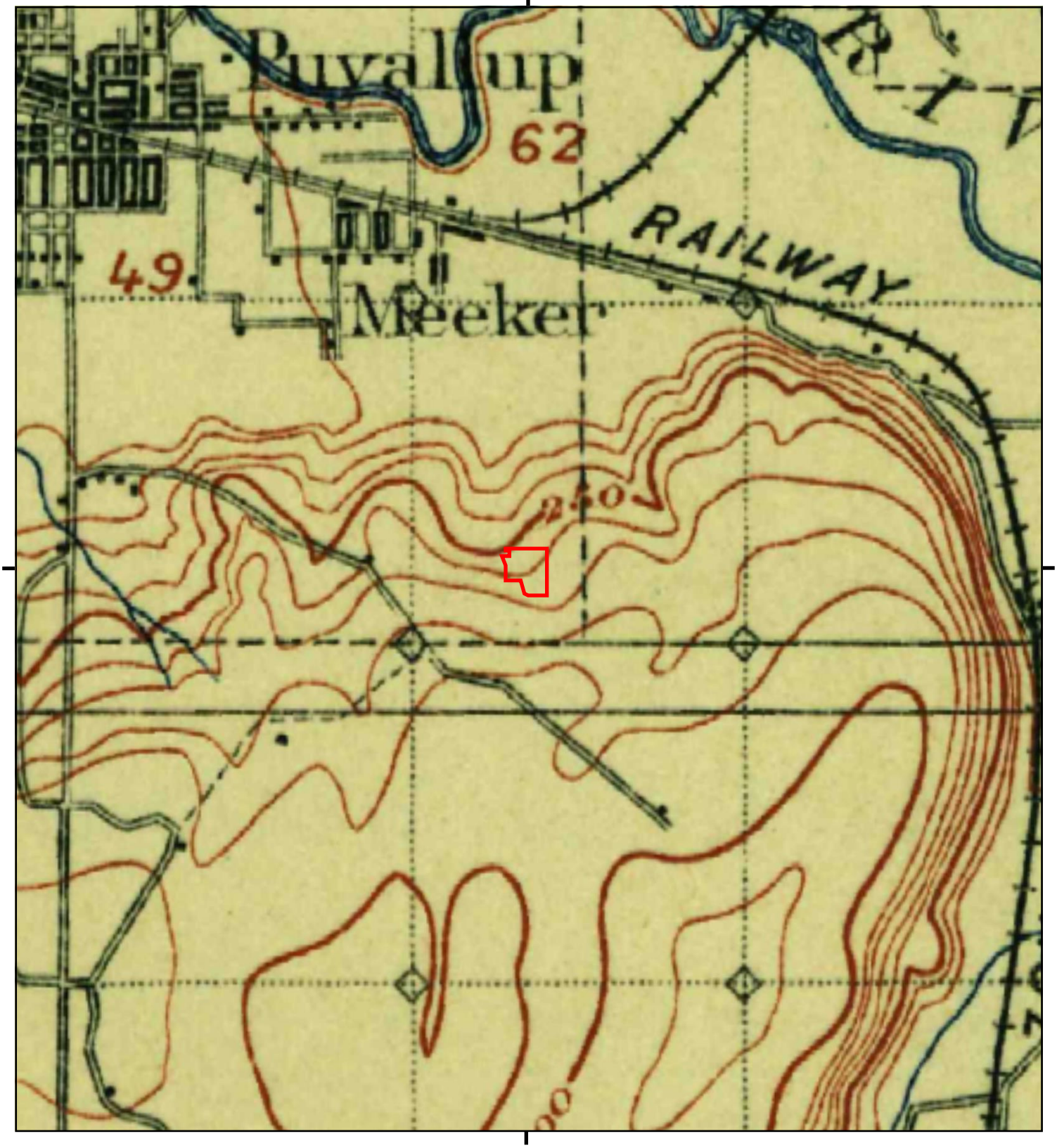
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Tacoma South, 1941, 15-minute
SE, Lake Tapps, 1942, 15-minute

SITE NAME: Sunset Pointe
ADDRESS: 2301 23rd St SE
Puyallup, WA 98372
CLIENT: Earth Solutions Northwest

N



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

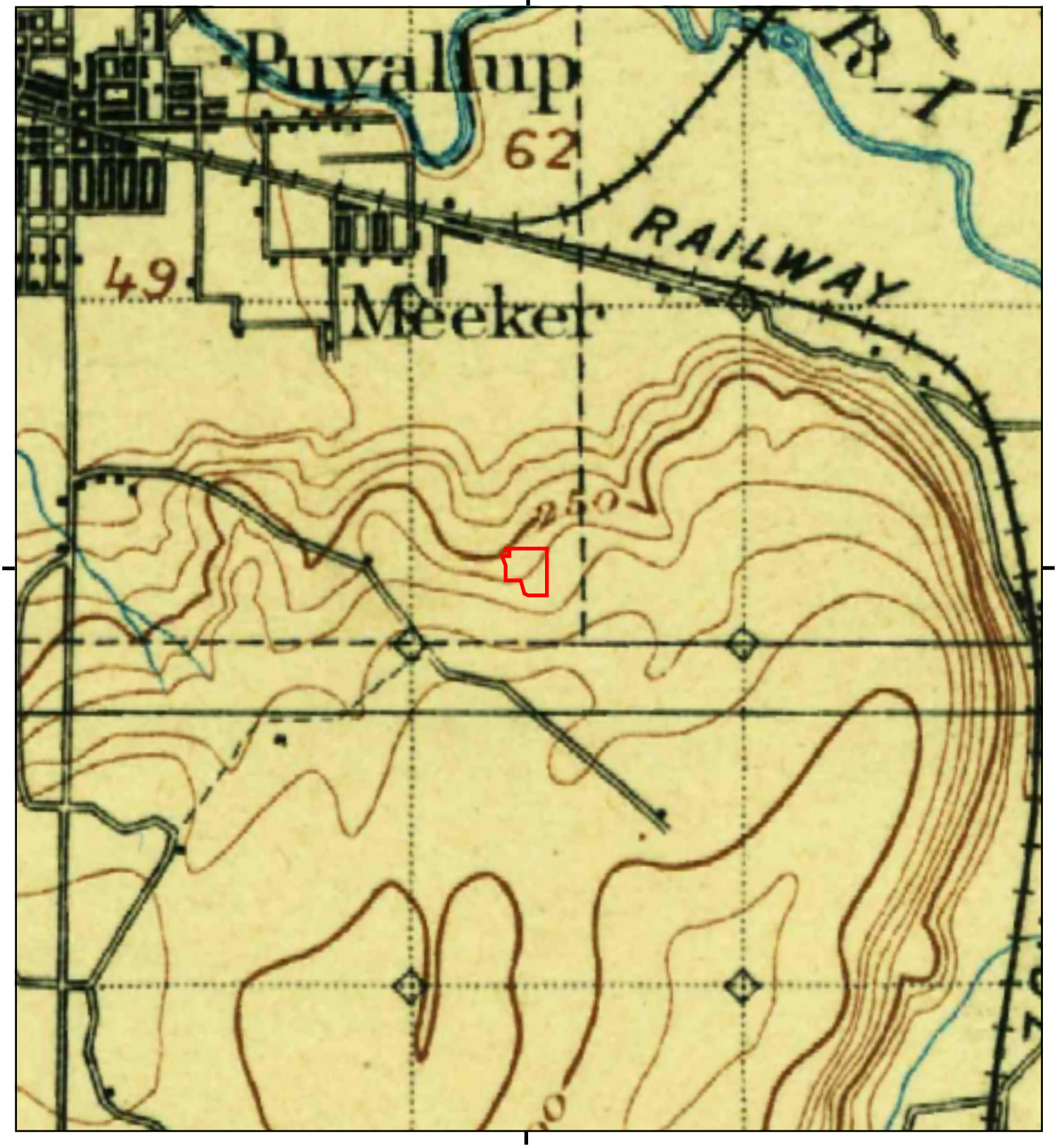
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Tacoma, 1900, 30-minute

SITE NAME: Sunset Pointe
ADDRESS: 2301 23rd St SE
Puyallup, WA 98372
CLIENT: Earth Solutions Northwest

N



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

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Tacoma, 1897, 30-minute

SITE NAME: Sunset Pointe
ADDRESS: 2301 23rd St SE
Puyallup, WA 98372
CLIENT: Earth Solutions Northwest

N

Appendix H

Completed Environmental Questionnaires

ES-5559.06

PROPERTY OWNER QUESTIONNAIRE
PHASE I ENVIRONMENTAL SITE ASSESSMENT
Compatible with ASTM Standard E 1527-13

Site Name: Sunset Pointe
Site Address: 2301 23rd St SE. Puyallup, WA 98372
Date: 12/31/2022
Site Owner: Peter Chen, Beth Liu
Site Owner Address: 4709 Memory Ln W, University Place, WA 98466
Person Completing this Form: Peter Chen
Years Associated with Property: 11

Please answer the following questions to the best of your knowledge.

1. Was the property or adjoining property ever used for industrial purposes (e.g. manufacturing) or as a gas station, dry cleaners, waste treatment, processing facility, motor repair facility, photo lab, commercial printing facility, junkyard/disposal/recycling/ landfill? If yes, please list the activity, hazardous substances used, and approximate dates when the activity occurred.

   Prior land use, hazardous substances used, and dates:
   Empty space, no hazardous substances used 12/2011 - present

   Prior owners, key site managers/operators, occupants and dates:
   Farm. N/A. before 12/2011

   Existing or prior structures used for what purposes and duration:
   1 Barn, 1 burned house, 1 burned structure

2. Do any of the following documents exist for the site or any portion of the site? If so, can you provide ESNW with a copy?

- ☐ Environmental site assessment reports — No
- ☐ Environmental compliance audit reports — No
- ☐ Environmental permits — No
- ☐ Underground Storage Tank registration — No
- ☐ Underground Injection System registration — No
- ☐ Material Safety Data Sheets — No
- ☐ Community Right-To-Know Plan — No
- ☐ Safety plans: preparedness and prevention plans; spill prevention; countermeasure; and control plans, etc. — No
- ☐ Reports regarding hydrogeological conditions on the property or surrounding area; — No
- ☐ Correspondence from any government agency relating to past or current violations of environmental laws with regard to the property or relating to environmental liens encumbering the property — No
- ☐ Hazardous waste generator notices or reports — No
- ☐ Geotechnical studies — ESNW
- ☐ Risk assessments — No
- ☐ Recorded Activity and Use Limitations (AULs) — No

3. Have you ever observed evidence of or do you have prior knowledge of any of the following items being used, stored, discarded, dumped above grade, buried, or burned onsite? Circle all that apply and indicate amount and approximate dates.

MATERIAL	QTY	DATE(S) OBSERVED	COMMENTS
Above ground Storage Tank (AST)*	0		Size: Contents: Condition:
Automotive batteries	0 ?		
Industrial batteries	0		
Pesticides (>5 gallon)	0		
Paints (> 5 gallon)	0		
Chemicals/Hazardous Substances (> 5 gallon liquid)	0		
Chemicals/Hazardous Substances (dry sacks, containers, etc.)	0		
Industrial drums (typically 55 gallons)	0		Contents: Condition:

MATERIAL	QTY	DATE(S) OBSERVED	COMMENTS
Underground storage tank*	0		Size: Contents: Condition:
Unknown materials you suspect may be hazardous substances	0		Describe:

*Please provide records if available.

4. What method(s) is used to contain spills of hazardous waste?

N/A

5. What method(s) is used to dispose of hazardous waste?

N/A

6. Are there any permits for handling, use, storage, or disposal of hazardous waste?

N/A

7. Have you observed evidence of or have prior knowledge of the following onsite?

MATERIAL	QTY	DATE(S) OBSERVED	COMMENTS
Equipment Maintenance Areas	0		
Accidental spills or releases of chemicals or petroleum products	0		
Possible asbestos containing materials (e.g. pipe, building, etc.)	1 Barn		Describe material: Completion of the asbestos removal 8/10/2018
Fill dirt originating from an unknown or contaminated site?	0		Source:
Pits, ponds, or lagoons associated with waste treatment or waste disposal?	0		Location:

MATERIAL	QTY	DATE(S) OBSERVED	COMMENTS
Vent pipes, fill pipes, access ways to a fill pipe protruding from the ground or adjacent to a structure onsite?	0		Location:
Heating and cooling systems (include fuel source)	0		Source:
Flooring, drains, walls that are stained or emitting a foul odor (do NOT include water damage)?	0		Location:

*Please provide records if available.

8. Is the property served by a private well or non-public water system? If so, please answer the following: No

   a. Was the well used for domestic (D), agricultural irrigation (I), or monitoring (M) purposes? Are the wells currently operational and if not, when were they last used? When was the well drilled? How deep is the well? What is the approximate discharge rate?

Well No.	Type	Operating?	Last Used	Date Drilled	Depth	Discharge Rate	Location
1-							
2-							

   b. Have the wells been sampled for contaminants that exceed applicable requirements for the designated use (e.g. Drinking Water Standards)? If so, please provide the dates and copies of well records.

   c. Has the well or water system been designated by any governmental environmental/health agency as contaminated?

9. Is there an oil/gas well or oil/gas vent located onsite? If so, please indicate the location. Please supply any documents available.

   No

10. Is the property or has the property to your knowledge been previously served by a septic system? If so, please indicate the location of the tank and leach lines (if applicable) and list any hazardous materials disposed.

    No

11. Does the property discharge waste water into a storm water sewer system or a sanitary sewer system onto or adjacent to the property? If so, please describe location, piping flow, quantity discharged, and water quality.

No

12. Do you have knowledge of the following with respect to the property? Circle and explain all that apply.

(a) Environmental clean-up, ongoing or pending. Completion of the asbestos removal by Tacoma Abatement Company LLC 8/10/2018

b. Environmental liens

c. Governmental notifications regarding any possible past or present violations of environmental laws.

d. Past, threatened, pending lawsuits or administrative proceedings relevant to a release of a hazardous substance or petroleum product, in, on, or from the property.

e. Prior environmental assessment that indicated the presence of hazardous substances, petroleum hydrocarbons, contaminants, or recommended further assessment.

f. Deed Restrictions

g. Citizen complaints regarding activities onsite

AGRICULTURAL SITES:

13. What crops have been grown onsite, currently and in the past?

CROP	DATE	LOCATION
None		

If crops are present or have been grown, please answer questions 14 through 16 below:

14. Have pesticides been applied to fields or other portions of the site? If so, please answer the following questions:

    a. List the names of pesticides (includes herbicides, fungicides, insecticides, rodenticide) used and dates applied.

PESTICIDE AND BRAND NAME	DATE	CROP OR ANIMAL USE

    b. Have you been notified of any violation of environmental law with respect to application or storage of pesticides?

    c. Location of pesticide mixing areas, if any (past or present)?

    d. Method of pesticide application?

15. Have fertilizers been applied to the site? What type and method of application?

16. Are there any buried pipelines for irrigation or other purposes onsite? If so, what materials is the piping constructed of? Asbestos containing material, PVC, other? Describe the location of buried piping.

Phase I ESA "User" Questionnaire

Only the client ("user") needs to respond to the following questions:

1) Did a search of recorded land title records (or judicial records where appropriate) identify any environmental liens filed or recorded against the property under federal, tribal, state, or local law? No

2) Did a search of recorded land title records (or judicial records where appropriate) identify any Activity and Use Limitations (AULs), such as engineering controls, land use restrictions or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state, or local law?

   No

3) Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

   No

4) Does the purchase price being paid for this 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 property?

   No

5) Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example,

   a) Do you know the past uses of the property?

      Farm

   b) Do you know of specific chemicals that are present or once were present at the property?

      Asbestos

   c) Do you know of spills or other chemical releases that have taken place at the property?

      No

   d) Do you know of any environmental cleanups that have taken place at the property?

      Completion of the asbestos removal by Tacoma Abatement Company LLC 8/10/2018

6) Based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of releases at the property?

   No

Appendix I

Resumes of Environmental Professionals

ES-5559.06

Ted W. Sykes, CESCL, CAC, CLP

Senior Environmental Project Manager

Background:

Mr. Sykes has 20 years of experience in the environmental field. His project experience includes: Phase I and Phase II Environmental Site Assessments, hazardous materials/waste compliance audits, stormwater discharge compliance audits, preparation of Stormwater Pollution Prevention Plans (SWPPPs) and Temporary Erosion & Sediment Control (TESC) Plans, waste water discharge permitting and monitoring activities, wetland delineations, underground fuel storage tank closures, soil/groundwater contamination remediation projects, asbestos/lead paint surveys and abatement projects.

Education:

Bachelor of Science, Physical Science, California State University, Chico - 1989

Registration:

Washington Certified Erosion & Sediment Control LEAD (CESCL)
OSHA 40-Hour Hazardous Waste Operations & Emergency Response
USACE Wetland Delineation & Management Certification
Washington Department of commerce Certified Lead Risk Assessor
Washington Department of Commerce Certified Lead Abatement Supervisor
California Certified Asbestos Consultant (CAC)
California Certified Lead Inspector/Risk Assessor/Project Monitor (CLP)
EPA - AHERA Asbestos Contractor/Supervisor
EPA - AHERA Asbestos Abatement Project Designer
EPA - AHERA Asbestos Inspector
EPA - Ahera Asbestos Management Planner
NIOSH 582 Accredited

Employment History:

2013 - Present	Earth Solutions NW, LLC - Senior Project Manager
2012 - 2012	Terracon Consultants, Inc. - Senior Project Manager
2011 - 2012	RGA Environmental, Inc. - Project Manager
2000 - 2011	Kleinfelder, Inc. - Project Manager
1995 - 2000	AllWest Environmental, Inc. - Project Manager
1989 - 1995	Hygienetics, Inc. - Staff Scientist

Ted W. Sykes, CESCL, CAC, CLP
Continued

Related Project Experience:

Snohomish County Campus Redevelopment
Everett, Washington
Designed and managed all aspects of asbestos, lead paint, PCBs, and other hazardous materials abatement from eight Snohomish County owned buildings scheduled for demolition at their main campus in Everett. Scope of services included preparing a complete survey of the buildings; develop abatement specifications, pre-bid and contractor selection, full-time monitoring during abatement activities, and preparing a close-out report at the completion of the project.

Von's Distribution Center
El Monte, California
Completed an asbestos & lead paint survey of more than one million square feet of building space and managed the abatement of asbestos, PCBs, mercury, containerized hazardous materials, and above ground fuel storage tanks at Von's former kitchen warehouse building scheduled to be demolished.

The Landing Project
Renton, Washington
Completed a Phase I and Phase II ESA of the entire Landing Project site which was occupied by Boeing at the time. Following the demolition of the Boeing facilities occupying the site, I prepared a Stormwater Pollution Prevention Plan (SWPPP), Temporary Erosion & Sediment Control (TESC) Plan, and conducted weekly Best Management Practices (BMP) inspections of the site during construction of the present-day retail and multi-family complex.

Spokane Street Viaduct Widening Project
Seattle, Washington
Managed the completion of a SWPPP, TESC plan, and conducted weekly BMP inspections for a year-long project that is still currently active.

Walmart Development
Chelan, Washington
Prepared a Phase I and II ESA of a former apple orchard site scheduled to be developed into a new Walmart retail store. Prepared a specification regarding the excavation, handling, disposal, and contractor employee decontamination procedures disturbing arsenic, lead, and DDT contaminated soil during site development. Subsequently negotiated an NFA with Department of Ecology for the site following construction activities.

3-COM Park (aka Candlestick Stadium)
San Francisco, California
Managed the complete asbestos survey of more than two million square feet of football stadium space prior to a scheduled Superbowl renovation update of the facility that subsequently never took place. This large project took me more than a month to complete.

San Bruno County Correctional Facility
San Bruno, California
Managed the completionan asbestos & lead paint survey of an active prison facility for the City and County of San Francisco.

Costco Wholesale
Multiple Locations
Managed the completion of Phase I ESAs, Phase II ESAs, & asbestos/lead paint surveys at more than 50 locations throughout Washington, British Columbia, Alberta, Saskatchewan, and Manitoba.

Big Gulch Project
Mukilteo, Washington
Prepared a SWPPP, TESC plan, and conducted weekly BMP inspections during a City of Mukilteo stormwater pipeline installation and creek restoration project that spanned more than five miles in length. The project took more than two years to complete.

Gig Harbor Historical Society
Gig Harbor, Washington
Managed the successful remediation of soil and groundwater impacted with petroleum hydrocarbons and vinyl chloride. Subsequently received an NFA determination from Department of Ecology.

Safeway Distribution Center
Auburn, Washington
Prepared a Phase I ESA, Phase II ESA, and asbestos/lead paint survey of a large industrial complex owned and occupied by Boeing for the development of a new Safeway Distribution Center. No soil or groundwater contamination was discovered at the site, but I did get selected to design and manage the removal of all asbestos-containing materials from the buildings prior to their demolition.

Ted W. Sykes, CESCL, CAC, CLP
Continued

Related Project Experience:

Skyline at First Hill
Seattle, Washington
Managed the removal of seven underground fuel storage tanks and associated impacted soil from a new condo development site at Capitol Hill. Received an NFA determination from Department of Ecology following construction activities.

Darigold Milk Processing Plant
Lynden, Washington
Managed the preparation of an industrial SWPPP for an active milk processing plant owned and operated by Darigold, Inc.

Costco Optical Lab
Tukwila, Washington
Negotiated industrial wastewater and air emissions discharge permits for a newly constructed optical lab owned by Costco.

San Francisco Unified School District
San Francisco, California
Managed asbestos/lead paint surveys, preparation of abatement specifications, and monitored multiple abatement projects at several public schools associated with the San Francisco Unified School District.

Kyler T. Kelly

Project Geologist

Background:

Mr. Kelly has more than 5 years of experience in the environmental field. His project experience includes: Phase I and Phase II Environmental Site Assessments (including Phase I Environmental Site Assessments completed in compliance with the U.S. Department of Housing and Urban Development Multifamily Accelerated Processing Guide), waste water discharge permitting and monitoring activities, Asarco Tacoma (Washington) smelter plume characterization soil sampling, and soil/groundwater contamination remediation projects.

Education:

Bachelor of Science, Earth and Space Sciences - Geology, University of Washington – 2015

Registration:

Licensed Geologist (L.G.)
Washington Certified Erosion & Sediment Control LEAD (CESCL)
OSHA 40-Hour Hazardous Waste Operations & Emergency Response

Employment History:

2016 – Present Earth Solutions NW, LLC - Project Geologist

Appendix J

Records Request Responses

ES-5559.06

Code Enforcement Complaints

Reference #	Type	Status	Date Entered
20-000179	Legacy Case	Closed	10/28/2020
	Description: Fence failing		
17-000154	Legacy Case	Closed	07/31/2017
	Description: This property is a public nuisance. It is a hideous eyesore, as well as a health and safety hazard. There are several GIANT mounds (approxametely 9 piles) of debris littering this property approximately 10'-20' high. It is an immediate fire hazard as there is dry grass surounding the mounds of wood, glass and other various metals. There is frequently homeless people smoking and liotering on the property. There are rats and racoons living in the piles of debris. I have attached 4 photos of the mounds of debris I described above.		
C-15-0163	Legacy Case	Closed	09/09/2015
	Description: Critical area violation, dangerous buildings derelict buildings, junk and solid waste see 15-000163		
15-000163	Legacy Case	Closed	09/03/2015
	Description: Clearing in critical areas, dangerous and derelict structures, junk vehicles, solid waste accumulation. Public Nuisance		

Complaint

RECORD_ID	FACILITY_ID	ACCOUNT_ID	ReceivedBy	RECEIVED_DATE	RECEIVED_TIME	ASSIGNED_TO	ASSIGNED_DATE	ASSIGNED_TIME
CO0031382			Vergia Seabrook	12/02/2011	15:27:03			

STATUS	CASE_DISPOSITION	PE	COMPLAINT_MODE	SITE_LOCATION
Closed		OPERATION & MAINTENANCE		2301 23rd Street SE

COMPLAINANT	C_ADDRESS	C_CITY	C_ZIP	C_STATE	C_HPHONE	C_HEXT	C_WPHONE	C_WEXT

C_MEMO

Exemption from RSS requirement granted 12/2/11; house burned and will be demolished after closing; septic will be decommissioned at that time. Probable connection to Puyallup sewers when redeveloped.

P_NAME	P_BUS_NAME	P_PHONE	P_EXT	P_DISTRICT	P_APN
					0420353027

P_STREET_NUMBER	P_HYPHEN_FRACTION	P_STREET_DIRECTION	P_STREET_NAME	P_ADDRESS_TYPE	P_POST_DIRECTIONAL
2301			23rd	St	SE

P_STREET_UNIT_TYPE	P_STREET_UNIT	P_STREET_ADDRESS2	P_CITY	P_STATE	P_ZIP	P_CITY_CODE
			Puyallup	WA	98372	City of Puyallup

PO_NAME	PO_BUS_NAME	PO_ADDRESS1	PO_ADDRESS2

PO_CITY	PO_STATE	PO_ZIP	PO_HPHONE	PO_HEXT	PO_WPHONE	PO_WEXT	INSP_RESOLVED_BY	INSP_RESOLVED_DATE

LAST_PMT_DATE	PENALTY_AMT	TOTAL_DUE	PMT_RECEIVED_BY	ABATEMENT_DATE	NUM_NOTICES_PRINTED	FURTHER_ACTION
	0.00	0.00				Y

ENTERED_DATE	ENTERED_BY	UPDATE_DATE	UPDATE_BY	LAST_TOUCHED	FAX	EMAIL
12/02/2011	VSEABROO	06/23/2018	TPCHDLOCAL\ljellison	6/23/2018 2:22:32PM		

JURISDICTION	Related_ID	GIS_LATITUDE	GIS_LONGITUDE	UDF_CSM_MASTNO	UDF_FT_LOCATION

UDF_VICTIM_AGE	UDF_INCIDENT_DATE	UDF_SHOT_DATE	UDF_ANIMAL_NAME	UDF_ANIMAL_TYPE	UDF_EXPOSURE_PROPHYLAXIS

UDF_VET_NAME	UDF_DESCRIPTION	UDF_VICTIM_GENDER	UDF_VET_PHONE	UDF_BREEDS	UDF_DISEASE

UDF_INCIDENT_ADDRESS	UDF_REFERRED	UDF_QUARANTINE	UDF_EXPOSURE	UDF_RABIES_SHOT	UDF_STRAY	UDF_OUTBREAK_ID

UDF_PROVOKED	UDF_ANIMAL_RISK	UDF_IMPORT_QUARANTINE	UDF_VET_OFFICE	UDF_CASNO	UDF_HIGH_RISK

UDF_SALEDATE	UDF_FIRSTNOTICE	UDF_SECONDNOTICE	UDF_FINALNOTICE	UDF_RECORDINGDATE	UDF_MASTER_EVENT_ID	UDF_VENDOR_PERMIT_ID

UDF_WELL_TYPE	UDF_CE_FINAL	UDF_CE_CNC	UDF_CE_CC	UDF_CE_NOVA	UDF_CE_PA_REF	UDF_CE_INJUNCTION	UDF_INVOICENO

SITE_ADDRESS	PO_EMAIL	UDF_LOCATION	UDF_DISCLOSURE
2301 23rd ST SE			

UDF_ALERT	UDF_CONTACT_ME	UDF_RELATED_ID	UDF_FIRM_ID	UDF_INDIVIDUAL_ID	UDF_COMPLAINT_TYPE

UDF_CONTACT	UDF_ONGOING	UDF_WEATHER	UDF_NO_CONTACT	UDF_VIOLATION_DATE	UDF_VIOLATOR

[Records Center] Public Records Request :: P013924-122922

Washington Department of Ecology PDO <ecologywa@govqa.us>

Fri 1/6/2023 1:55 PM

To:Kyler Kelly <kylerk@esnw.com>;

Cc:PublicDisclosureSWRO@ECY.WA.GOV <PublicDisclosureSWRO@ECY.WA.GOV>; tcphq_public_disclosure@ecy.wa.gov <tcphq_public_disclosure@ecy.wa.gov>;

--- Please respond above this line ---

Hi Kyler,

Below is what I found for the site you requested. The records for your request are now available to access in your Public Records Request Center account. Please log in to your account and go to request P013924.

2301 23rd Street SE, Puyallup

- aka Pioneer Museum
  - Toxic Cleanup
  - ERTS 620837
  - I did not find any record of underground storage tanks, hazardous waste, permits, inspections or enforcement actions for the address you requested.

There are no additional records in our headquarters Toxics Cleanup Program, so you will not receive an additional response from Carol Dorn.

This request is now closed for the Southwest Regional Office and the Toxics Cleanup Program.

Thank you,
DeAnn DeRosier
Records and Public Disclosure
Southwest Regional Office
Department of Ecology
(360) 407-6309
deann.derosier@ecy.wa.gov
publicdisclosureswro@ecy.wa.gov
The disclosure of information in the records being produced does not in any way constitute a waiver of attorney-client and/or work product privileges.

To monitor the progress or update this request please log into the Public Records Request Center

PRR-2023-001

Central Pierce Fire & Rescue
Mailing Address: PO Box 940, Spanaway, WA 98387
District Headquarters: 17520 22nd Ave. E., Tacoma, WA 98445
(253) 538-6400 FAX (253) 276-6770 Email: records@centralpiercefire.org

Request for Public Records

Nature of Request:

Incident: ☐ Fire For EMS – See Request for Patient Care Records Form
☑ District Records Aboveground/underground storage tank records, hazardous materials use/spill/storage records, code violations
☐ Other _____

Identification of Records:

1) Location/Address of Incident: 2301 - 23rd St SE, Puyallup Incident Date: _____
2) Name: Last _____ First _____ MI ____

Requestor:

Name: Last Kelly First Kyler MI ____
Company: Earth Solutions NW, LLC **Phone:** 206.856.3937
Email Address: kylerk@esnw.com **Fax:** _____
Street / Mailing Address: 15365 NE 90th St, Suite 100, Redmond WA, 98052
City: _____

☐ Attorney / Legal ☐ Owner / Patient ☐ Public Non-Related
☐ Guardian ☐ Media ☐ Other Agencies (i.e., Police, DSHS, Fire Marshal)

Date of Request: 12/29/22 **Time:** _____
Requestor's signature: _____

For Office Use Only

Vacant lot. Not records found.

Processed Date: 01/09/2023 Incident # _____

☐ **Check here if request is for inspection only.**

Amount Paid: _____ ☐ Cash Receipt Number: _____

☒ Request granted ☐ Check Number: _____

☒ E-Mailed ☐ Record withheld ☐ Record withheld in part

☐ Mailed ☐ Faxed ☐ Picked up in person

1. If withheld, name the exemption contained in RCW 42.17.310 which authorizes the withholding of the record or part of record: Subsection (1) (_). _____
2. If withheld, explain how the exemption applies to the record withheld:

_____

_____

CPFR Employee Signature: Denise Ross _____

PRR-2023-001

Denise Ross

From: Kyler Kelly <kylerk@esnw.com>
Sent: Thursday, December 29, 2022 9:00 AM
To: Records@CentralPierceFire.org
Subject: ES-5559.06 Public Records Request Form
Attachments: ES5559.06 Fire Request.pdf

Good morning,

Please see attached records request form.

Thank you,

Kyler Kelly, L.G.

Project Geologist
Earth Solutions NW, LLC
15365 NE 90th Street, Suite 100, Redmond, WA 98052
Phone: 425-449-4704
Fax: 425-449-4711
Cell: 206-856-3937
Email: kylerk@esnw.com

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2011

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
PO Box 47775 • Olympia, Washington 98504-7775 • (360) 407-6300

December 7, 2011

Ms. Sharon Tanner
11907 240th Street NE
Arlington WA 98223

Dear Ms. Tanner:

RE: Early Notice Letter Regarding the Release of Hazardous Substance at the
Site Name: Former Pioneer Museum (site name),
Location: 2301 23rd Street SE, Puyallup, Washington 98373.
Facility Site Identification Number: 9490
ISIS Cleanup Site ID No.: 11739

Under Chapter 70.105D Revised Code of Washington (RCW) the Department of Ecology (Ecology) is required to conduct an Initial Investigation, of properties where we have received a report that there has been a release or threatened release of hazardous substance that could pose a threat to human health or the environment.

Ecology maintains a list of sites where an initial investigation has found that further testing and possible cleanup is needed. We call this our "database of Confirmed or Suspected Contaminated Sites". As a result of the initial investigation conducted by the Tacoma Pierce County Health Department, this property has been added to the database as a State Cleanup Site. The Facility Site Identification number assigned to this site is 18536 (existing site number). Please note that inclusion in this database does not mean Ecology has determined you liable for cleanup of the site, as that is a separate determination under the law.

This site has been added to our database because soil contaminated with Petroleum Hydrocarbons and agricultural products has been confirmed on this property. Our report indicates that contaminated soils were found during an arson fire investigation. Many drums containing hazardous substances were found at the site. We are aware the property was historically used as a farm and museum. We understand you inherited the property and designated your grandson as point of contact for issues involving the property and the fire. County staff talked to your grandson and were informed that it would take time for you to take care of the problem and that you were trying to sell the property. After months and no follow-up or cleanup activity our investigator collected samples which confirmed contamination and the property was listed. The purpose of the initial investigation is to confirm or deny the possibility of contamination on site.

In the future, Ecology may conduct a more detailed inspection of this property including testing for possible contamination. This inspection is called a "Site Hazard Assessment". At that time, Ecology will assess whether action will be needed and if necessary establish a priority for the work.

Ecology's policy is to work cooperatively with individuals to accomplish prompt and effective cleanups. Your cooperation with Ecology in planning or conducting a remedial action is not an admission of guilt or liability. Please be aware of state laws that must be adhered to if you decide to proceed with cleanup work on your own. The primary law is Chapter 70.105D RCW and the implementing regulations, the Model Toxics Control Act Cleanup Regulation (MTCA or Chapter 173-340 WAC). These laws can be found at Ecology's Toxics Cleanup Program website, http://www.ecy.wa.gov/toxicscleanup/policy .

If you would like a printed copy of the MTCA regulations or if you have questions call me at (360) 407-6240. These rules and how they impact each site can be confusing and complicated. There are Environmental Consultants that can be employed to assist property owners with the cleanup and site assessment process.

Ecology's Voluntary Cleanup Program is designed to provide technical assistance, for a fee, to cleanup sites that qualify. If you would like additional information regarding this program you can find information on our website at http://www.ecy.wa.gov/programs/tcp/vcp/vcpmain.htm or you can contact Scott Rose at 360-407-6347.

Sincerely,

Kim Cross
Toxics Cleanup Program
Southwest Regional Office

ksc:ENL 12072011 Former Pioneer Museum

by certified mail: (7010 0780 0002 3403 2803)

cc: Joshua Gunia
Sharon Bell, Department of Ecology
Cris Matthews, Department of Ecology

ERTS # 620837 printed 5/4/12

Initial Report

External Reference #

Caller Information

	First	Last
Name	Lt.	Neally
Busines Name	Tacoma Fire Department	
Street Address		
Other Address		
City	State WA	Zip
E-mail		Confidential_FL ☐

Phone	Ext	Type
(253) 591-5733		Business

Where did it happen

Berth		Anchorage	
Location Name			
Street Address	1900 blk 22nd Place		
Other Address			
City/Place	PUYALLUP	State WA	Zip
County - Region	**PIERCE**	SWRO	FS ID
WIRA #			
Waterway		Type	
Latitude	47.172051	Longitude	122.26551
Topo Quad 1:24:000	PUYALLUP		

Direction/Landmark (mile post, cross roads, township/range)
200 feet by 200 feet museum. 2140 22nd St SE, house next door

What happened

Spills Program Oil Spill? N

Incident Date	6/27/2010	Received Date	6/27/2010 5:55
Medium	BUILDING/STRUCTURE		
Material	UNKNOWN		
Quantity	15	Unit	DRUM
Source	UNKNOWN		
Cause	UNKNOWN		
Activity	UNKNOWN		
Impact	POTENTIAL POLLUTION/RELEASE		
Vessel Name			
Hull Number			

Primary Potentially Responsible Party Information

	First	Last
Name		Unknown
Business Name		
Street Address		
Other Address		
City	State WA	Zip
Phone	Ext	Type
E-mail		

Additional Contact Information

Name	Phone	Ext	Type
, Greg	(253) 377-6854		Business

More Information

Fire has discovered 15 drums of unknown contents and a scene of an abandoned warehouse fire.

Entry Person Baxter, Susan Entry Date 6/28/2010

*** The Initial report contains only information provided to Ecology from the complainant.

ERTS # 620837

Referral

Referral # 134886

Referral Method
- ○ E-mail ERTS number
- ○ E-mail attachment
- ○ Print
- ◉ Telephone

Person Referred to: BROOKS, NANNETTE — Primary ☐
Phone: (360) 407-6242 Fax: (360) 407-6305
E-mail: nbro461@ecy.wa.gov
Program/Organization: SPILLS, PREVENTION, PREPAREDNESS AND RESPONSE
Address: PO BOX 47775
City: OLYMPIA WA 98504-
Region/Location: SWRO
Referral Date: 6/27/2010

Referral # 138717

Referral Method
- ○ E-mail ERTS number
- ◉ E-mail attachment
- ○ Print
- ○ Telephone

Person Referred to: BELL, SHARON — Primary ☐
Phone: (253) 798-2891 Fax
E-mail: erts@tpchd.org
Program/Organization: TOXICS CLEANUP
Address: TPCHD
City: TACOMA WA
Region/Location: swro
Referral Date: 11/1/2010

ERTS # 620837

Followup

Inspector Information

Followup #1

Referral # 134886
☐ Lead Inspector BROOKS, NANNETTE
Program/Organization SPILLS, PREVENTION, PREPAREDNESS AND RESPONSE
* Region/Location SWRO
# of Ecology Staff 2 Overtime ☑

Where did it happen

Berth Anchorage
Location Name
Street Address 1900 blk 22nd Place
Other Address
City/Place PUYALLUP State WA Zip
County PIERCE Region SWRO FS ID
Waterway Type
WRIA #

Action

	Start Date	End Date
TCP - SIS	11/16/2010	5/27/2011
TELEPHONE - TECHNICAL ASSISTANCE	11/16/2010	5/27/2011

What happened

Spills Program Oil Spill? N

Incident Date 6/27/2010

Latitude 47.172051 Longitude 122.26551
Topo Quad 1:24,000 PUYALLUP
Direction/Landmark (mile post, cross roads, township/range)

Medium
BUILDING/STRUCTURE

Material
UNKNOWN

Quantity	Unit	Est
15	DRUM	☐

Source Regulated? ☐
UNKNOWN

Cause
UNKNOWN

Activity
UNKNOWN

Impact
POTENTIAL POLLUTION/RELEASE

Vessel

Potentially Responsible Party Information

Check if the primary PRP provided notice to Ecology ☐

Narrative

I (Nannette Brooks) contacted the Fire Company. Greg from Engine Company 72, on scene. He told me that Engine 72 responded to a fire at the location and discovered the drums in an unaffected part of the building. The drums are not compromised at this time. They are in various states of fullness-some of the 55 gallon drums are full and some are closer to empty. When Fire leaves the scene, they will not be posting a fire watch and neither will the police department. The area is residential. Ecology assistance requested.

I briefed my duty partner, Ron Holcomb. We decided I should contact Regional Supervisor Jim Sachet at 06:17 hrs. Due to the stability of the drums and the need to contact property owner, this response will be conducted during regular business hours.

I briefed Fire at 06:27.

I updated Ron Holcomb at 06:31.

Entry Person: Baxter, Susan Entry Date 6/28/2010

Inspector Information

Followup #2

Where did it happen

*** The Initial report contains only information provided to Ecology from the complainant.

ERTS # 620837

Referral # 134886
☑ Lead Inspector HOLCOMB, RON
Program/Organization SPILLS, PREVENTION, PREPAREDNESS AND RESPONSE
* Region/Location SWRO
# of Ecology Staff 2 Overtime ☐

Berth Anchorage
Location Name
Street Address 1900 blk 22nd Place
Other Address
City/Place PUYALLUP State WA Zip
County PIERCE Region SWRO FS ID
Waterway Type
WRIA #
Latitude 47.172113 Longitude 122.265218
Topo Quad 1:24,000 PUYALLUP
Direction/Landmark (mile post, cross roads, township/range)

Action

Action	Start Date	End Date
FIELD RESPONSE - INVESTIGATION	6/28/2010	6/28/2010

What happened

Spills Program Oil Spill? Y

Incident Date 6/27/2010

Medium
Land

Material
Oily Water Mixture ☐ Sheen Only

Quantity	To Water	To Imperm	Recover	NRDA	Est
1051	0	0	1051		☐

Source Regulated? ☐
Leaking Drum or Container
Type Private Property Primary ☑

Cause
Other - External Conditions
Type External Conditions Primary ☑

Incident Type
Oil Spill

Activity
Other

Impact
SOIL CONTAMINATION

Vessel

Potentially Responsible Party Information

Check if the primary PRP provided notice to Ecology ☐

Primary ☑ First Last
Name Sharon Tanner
Business Name
Street Address 25518 - 133rde Ave. NE
Other Address
City ARLINGTON State WA Zip 98225-
Phone (360) 435-6469 Ext Type Home
E-mail

Primary ☐ First Last
Name Joshua Gunia
Business Name
Street Address 15714 44th Avenue Ct. E.
Other Address
City TACOMA State WA Zip 98446-
Phone (253) 579-6769 Ext Type Mobile
E-mail guniagroup@comcast.net

Narrative

On 6/27/10 I (Ron Holcomb) was contacted by after-hours spill responder Nannette Brooks to discuss the initial information provided by Central Pierce Fire & Rescue regarding a number of abandoned drums discovered while dealing with a fire at the old Western Washington Pioneer Museum in Puyallup. I advised Nannette to check with SWRO Regional Spill Response Unit Supervisor Jim Sachet to determine whether we should assess the situation today. Nannette called back and said Jim wanted to hold off until Monday (6/28/10).

On 6/28/10 Doug Stolz and I responded to Puyallup and met with CPF&R at Station #2. We then followed Engine 72 to the property and conducted a site inspection (see photos in file).

We initially checked an old horse barn and identified numerous (~25 - 30) empty 55-gallon drums (metal and fiber). No other chemicals were observed in this building that was not involved in the fire.

We then proceeded to the burned building and did some basic assessment of the drums and other containers. Following is a summary of what was identified:

Container Type	Total	# Empty	# Full/Partially Full	Total Maximum Capacity
55-gallon drums	22	4	18	990 gallons
15/30-gallon drums	3	1	2	45 gallons
5-gallon containers	3	0	3	15 gallons
< 1-gallon container	4	0	4	1 gallon
Total	32	5	27	1,051 gallon

We used a TIP meter on several open drums and one gave an indication of a flammable material. Others appeared to have waste oil or grease and others were sealed and unknown.

*** The Initial report contains only information provided to Ecology from the complainant.

The empty drums and containers were marked `MT` and the others were numbered and dated. We placed several tarps over the drums/containers and used caution tape to mark them off (see photos).

CPF&R did provide some property ownership information but no telephone numbers.

On 6/30/10 I left a message with the CF&R Fire Marshall about property owner contact information.

A check of the Pierce County Assessor`s web site on 7/1/10 identified the property owner as:

Grace Ardell Greeley
25518 - 133rd Ave. NE
Arlington, WA 98225

The address of the 8.99 acre property is listed as:

2301 - 23rd Street E.
Puyallup, WA

See file for additional details on the property.

No call-back from Fire Marshall as of 7/6/10.

On 7/7/10 I issued a letter to the property owner (Grace Ardell Greeley) regarding the drums and requesting contact with Ecology (see file).

On July 9, 2010 I received a call from Sharon Tanner and she explained that she inherited the property from her mother (Grace Ardell Greeley) some 15 years ago when she passed away. I advised her that the Pierce county property records had not been changed or updated.

Ms. Tanner went on the explain that she was aware of the drums and that they had been stored in the `museum` building. The drums were from her father`s work over the years that include treating wood for fencing. I explained that there was some spillage and that the drums were not marked. I advised her that it would be in her interest to have the drums properly tested and the waste disposed of by an environmental contractor especially since the property was unoccupied and someone had likely set the fire that destroyed the building which had housed the Pioneer Museum.

I also noted that there were two large fuel tanks on the property. Ms. Tanner said the elevated tank at the south end of the property had been used for gasoline but had been empty for many years. She did not seem to be aware of the second tank I observed at the southwest corner of the burned building.

I then explained that I would be sending another letter and would include a list of environmental contractors. I also encouraged her to have her grandson contact me as she said he was helping with trying to sell the property. I further advised her that I was available to provide advice and guidance to assist her, but if she chose not to do anything that I would have to refer this site to Ecology`s Toxic Cleanup Program and that her property would likely be listed as a contaminated site.

On July 13, 2010 I issued a second letter with the contractor list and photos of the drums. I requested that she inform me within 14 days of how she would be proceeding with the situation.

On 8/20/10 I contacted Ms. Tanner to check on the status of the property and she stated that her grandsons were directly involved with the situation and she provided their names and contact information:

Joshua Gunia (253) 579-6769
Jeremey Gunia (253) 273-4612

At approximately 1420, I was able to contact Joshua Gunia who confirmed that he was Ms. Tanner`s grandson and was working on selling the property and dealing with city officials regarding the burned structures. He said he was aware of the drums and would work on that issue also (he said he was not aware of the fact that Ecology had been communicating with his grandmother on this issue). Mr. Gunia asked me to email him the information I had provided to his grandmother at guniagroup@comcast.net. I said I would and that I would be available to help him as he proceeds with the cleanup.

The two letters, photos and contractor list were sent on 8/20/10 via email:

Joshua,
Attached are the photos and two letters that I sent to your grandmother.

Also, following is a link to Ecology`s list of environmental cleanup contractors (although you can choose any qualified contractor you want even if they are not on Ecology`s list):

http://www.ecy.wa.gov/programs/spills/response/Hazmat_Spill_Contractor_List.pdf

Please respond back to let me know that you received this information and also provide a mailing address where I can send correspondence to you.

Please feel free to contact me by phone or email if you have any questions.

ERTS # 620837

Thank you and good luck with your efforts to sell the property.

Ron Holcomb
Hazardous Materials Specialist
Department of Ecology
Southwest Region
(360) 407-6373
Ron.Holcomb@ecy.wa.gov

I received the following reply from Joshua:

Hi Ron . Thank you for the email and also for working with us on this. my mailing address is 15714 44th ave ct e Tacoma WA 98446. Have a great weekend.
Joshua Gunia, Vice President
A Advanced Septic Services, Inc.
253-435-9999 Office
253-579-6769Cell
joshua@guniagroup.com

aadvancedservices.com

`The Guys To Know When You Gotta Go!`

Because the SWRO Spill Response Unit has not received any information regarding the progress of the cleanup at this site, it will be referred to the Toxic Cleanup Program.

Referral to TCP (Sharon Bell, Tacoma-Pierce County Health Department) was made on 11/1/10.

Entry Person: HOLCOMB, RON Entry Date 6/29/2010

Followup #3

Inspector Information

Referral # 138717
☐ Lead Inspector BELL, SHARON
Program/Organization TOXICS CLEANUP

* Region/Location swro
# of Ecology Staff Overtime ☐

Action	Start Date	End Date
FIELD RESPONSE - INVESTIGATION	11/16/2010	5/27/2011
TCP - SIS	11/16/2010	5/27/2011

Where did it happen

Berth Anchorage
Location Name Former Pioneer Museum
Street Address 2301 23rd Street SE
Other Address
City/Place PUYALLUP State WA Zip
County PIERCE Region SWRO FS ID 9490
Waterway Type
WRIA #

ERTS # 620837

What happened

Spills Program Oil Spill? N

Latitude 47.172113 Longitude 122.265218

Incident Date 6/27/2010

Topo Quad 1:24,000 PUYALLUP

Medium
SOIL

Material
CHEMICAL

Quantity	Unit	Est
1051	GALLON	☒

Direction/Landmark (mile post, cross roads, township/range)

Source Regulated? ☐
OTHER

Cause
HUMAN FACTOR - UNINTENTIONAL

Activity
OTHER

Impact
SOIL CONTAMINATION

Vessel

Potentially Responsible Party Information

Check if the primary PRP provided notice to Ecology ☐

Primary ☐ First Last
Name Sharon Tanner
Business Name
Street Address 11907 240th St NE
Other Address
City ARLINGTON State WA Zip 98225-
Phone (360) 435-6469 Ext Type Home
E-mail

Primary ☑ First Last
Name Sharon Tanner
Business Name Former Pioneer Museum
Street Address 11907 240th Street
Other Address
City ARLINGTON State WA Zip 98223-
Phone (360) 474-1829 Ext Type Home
E-mail

Narrative

SITE RECOMMENDED FOR LISTING IN ISIS. SEE INITIAL INVESTIGATION SENT TO SWRO RECORDS CENTER 04/30/2012.

Entry Person: JUNEAU, CONNIE Entry Date 5/2/2012

Initial Investigation Close-Out Router

ERTS #: 620837	Site Name: ~~Former~~ PIONEER MUSEUM

1	Recommended Action: Circle the appropriate categories: NFA — (Listing on SIS) — High Priority SHA Initial Investigator: SBue
2	Unit Supervisor: CM 6/21/11
3	Final Action: Circle the appropriate categories: NFA — (Listing on SIS) — High Priority SHA Section Manager: /ky fo Rebecca Lawson 6/28/11

NFAs go Directly to the Incident Tracker, and Then the File Room; Others Follow the Process Below

4	Entered on SIS: ✓ Date: 12/07/2011 SIS Site Number: Facility Site Number: 9490 Date Early Notice Letter Sent: 12/07/2011 ISIS # 11739 FS/SIS Coordinator: KenCross
5	Incident Tracker: Connie Jensen Date: 5/2/12
6	File Room: County: File Type:

Department of Ecology - Environmental Report Tracking System

ERTS # 620837

Initial Report

External Reference #

Caller Information

	First	Last
Name	Lt.	Neally
Busines Name	Tacoma Fire Department	
Street Address		
Other Address		
City	State WA	Zip
E-mail		Confidential_FL ☐

Phone	Ext	Type
(253) 591-5733		Business

Where did it happen

Berth		Anchorage	
Location Name			
Street Address	1900 blk 22nd Place		
Other Address			
City/Place	PUYALLUP	State WA	Zip
County - Region	PIERCE	SWRO	FS ID
WIRA #			
Waterway		Type	
Latitude	47.172051	Longitude	122.26551
Topo Quad 1:24:000	PUYALLUP		

Direction/Landmark (mile post, cross roads, township/range)
200 feet by 200 feet museum. 2140 22nd St SE, house next door

What happened

Spills Program Oil Spill? N

Incident Date	6/27/2010	Received Date	6/27/2010 5:55
Medium	BUILDING/STRUCTURE		
Material	UNKNOWN		

Quantity	Unit
15	DRUM

Source	UNKNOWN
Cause	UNKNOWN
Incident Type	
Activity	UNKNOWN
Impact	POTENTIAL POLLUTION/RELEASE
Vessel Name	
Hull Number	

Primary Potentially Responsible Party Information

	First	Last
Name		Unknown
Business Name		
Street Address		
Other Address		
City	State WA	Zip
Phone	Ext	Type
E-mail		

Additional Contact Information

Name	Phone	Ext	Type
, Greg	(253) 377-6854		Business

More Information

Fire has discovered 15 drums of unknown contents and a scene of an abandoned warehouse fire.

Entry Person Baxter, Susan Entry Date 6/28/2010

*** The Initial report contains only information provided to Ecology from the complainant.

ERTS # 620837

Referral

Referral # 134886

Referral Method
- ○ E-mail ERTS number
- ○ E-mail attachment
- ○ Print
- ◉ Telephone

Person Referred to BROOKS, NANNETTE — Primary ☐
Phone (360) 407-6242 Fax (360) 407-6305
E-mail nbro461@ecy.wa.gov
Program/Organization SPILLS, PREVENTION, PREPAREDNESS AND RESPONSE
Address PO BOX 47775
City OLYMPIA WA 98504-
Region/Location SWRO
Referral Date 6/27/2010

Referral # 138717

Referral Method
- ○ E-mail ERTS number
- ◉ E-mail attachment
- ○ Print
- ○ Telephone

Person Referred to BELL, SHARON — Primary ☐
Phone (253) 798-2891 Fax
E-mail erts@tpchd.org
Program/Organization TOXICS CLEANUP
Address TPCHD
City TACOMA WA
Region/Location swro
Referral Date 11/1/2010

ERTS # 620837

Followup

Followup #1

Inspector Information

Referral # 134886
☐ Lead Inspector BROOKS, NANNETTE
Program/Organization SPILLS, PREVENTION, PREPAREDNESS AND RESPONSE
* Region/Location SWRO
# of Ecology Staff 2 Overtime ☑

Action

	Start Date	End Date
TELEPHONE - TECHNICAL ASSISTANCE	6/27/2010	6/27/2010

What happened

Spills Program Oil Spill? N
Incident Date 6/27/2010
Medium
BUILDING/STRUCTURE
Material
UNKNOWN

Quantity	Unit	Est
15	DRUM	☑

Source Regulated? ☐
UNKNOWN
Cause
UNKNOWN
Incident Type
Activity
UNKNOWN
Impact
POTENTIAL POLLUTION/RELEASE
Vessel

Where did it happen

Berth Anchorage
Location Name
Street Address 1900 blk 22nd Place
Other Address
City/Place PUYALLUP State WA Zip
County PIERCE Region SWRO FS ID
Waterway Type
WRIA #
Latitude 47.172051 Longitude 122.26551
Topo Quad 1:24,000 PUYALLUP
Direction/Landmark (mile post, cross roads, township/range)

Potentially Responsible Party Information

Check if the primary PRP provided notice to Ecology ☐

Narrative

I (Nannette Brooks) contacted the Fire Company. Greg from Engine Company 72, on scene. He told me that Engine 72 responded to a fire at the location and discovered the drums in an unaffected part of the building. The drums are not compromised at this time. They are in various states of fullness-some of the 55 gallon drums are full and some are closer to empty. When Fire leaves the scene, they will not be posting a fire watch and neither will the police department. The area is residential. Ecology assistance requested.

I briefed my duty partner, Ron Holcomb. We decided I should contact Regional Supervisor Jim Sachet at 06:17 hrs. Due to the stability of the drums and the need to contact property owner, this response will be conducted during regular business hours.

I briefed Fire at 06:27.

I updated Ron Holcomb at 06:31.

Entry Person: Baxter, Susan Entry Date 6/28/2010

Followup #2

Inspector Information

Referral # 134886
☑ Lead Inspector HOLCOMB, RON
Program/Organization SPILLS, PREVENTION, PREPAREDNESS AND RESPONSE
* Region/Location SWRO
# of Ecology Staff 2 Overtime ☐

Action

	Start Date	End Date
FIELD RESPONSE - INVESTIGATION	6/28/2010	6/28/2010

Where did it happen

Berth Anchorage
Location Name
Street Address 1900 blk 22nd Place
Other Address
City/Place PUYALLUP State WA Zip
County PIERCE Region SWRO FS ID
Waterway Type
WRIA #

*** The Initial report contains only information provided to Ecology from the complainant.

ERTS # 620837

What happened

Spills Program Oil Spill? Y

Incident Date 6/27/2010

Latitude 47.172113 Longitude 122.265218

Topo Quad 1:24,000 PUYALLUP

Direction/Landmark (mile post, cross roads, township/range)

Medium
Land

Material
Oily Water Mixture ☐ Sheen Only

Quantity	To Water	To Imperm	Recover	NRDA	Est
1051	0	0	1051		☐

Source Regulated? ☐
Leaking Drum or Container
Type Private Property Primary ☑

Cause
Other - External Conditions
Type External Conditions Primary ☑

Incident Type
Oil Spill

Activity
Other

Impact
SOIL CONTAMINATION

Vessel

Potentially Responsible Party Information

Check if the primary PRP provided notice to Ecology ☐

Primary ☑ First Name Sharon Last Name Tanner
Business Name
Street Address 25518 - 133rde Ave. NE
Other Address
City ARLINGTON State WA Zip 98225-
Phone (360) 435-6469 Ext Type Home
E-mail

Primary ☐ First Name Joshua Last Name Gunia
Business Name
Street Address 15714 44th Avenue Ct. E.
Other Address
City TACOMA State WA Zip 98446-
Phone (253) 579-6769 Ext Type Mobile
E-mail guniagroup@comcast.net

Narrative

On 6/27/10 I (Ron Holcomb) was contacted by after-hours spill responder Nannette Brooks to discuss the initial information provided by Central Pierce Fire & Rescue regarding a number of abandoned drums discovered while dealing with a fire at the old Western Washington Pioneer Museum in Puyallup. I advised Nannette to check with SWRO Regional Spill Response Unit Supervisor Jim Sachet to determine whether we should assess the situation today. Nannette called back and said Jim wanted to hold off until Monday (6/28/10).

On 6/28/10 Doug Stolz and I responded to Puyallup and met with CPF&R at Station #2. We then followed Engine 72 to the property and conducted a site inspection (see photos in file).

We initially checked an old horse barn and identified numerous (~25 - 30) empty 55-gallon drums (metal and fiber). No other chemicals were observed in this building that was not involved in the fire.

We then proceeded to the burned building and did some basic assessment of the drums and other containers. Following is a summary of what was identified:

Container Type	Total	# Empty	# Full/Partially Full	Total Maximum Capacity
55-gallon drums	22	4	18	990 gallons
15/30-gallon drums	3	1	2	45 gallons
5-gallon containers	3	0	3	15 gallons
< 1-gallon container	4	0	4	1 gallon
Total	32	5	27	1,051 gallon

We used a TIP meter on several open drums and one gave an indication of a flammable material. Others appeared to have waste oil or grease and others were sealed and unknown.

The empty drums and containers were marked `MT` and the others were numbered and dated. We placed several tarps over the drums/containers and used caution tape to mark them off (see photos).

CPF&R did provide some property ownership information but no telephone numbers.

On 6/30/10 I left a message with the CF&R Fire Marshall about property owner contact information.

A check of the Pierce County Assessor`s web site on 7/1/10 identified the property owner as:

Grace Ardell Greeley
25518 - 133rd Ave. NE

Arlington, WA 98225

The address of the 8.99 acre property is listed as:

2301 - 23rd Street E.
Puyallup, WA

See file for additional details on the property.

No call-back from Fire Marshall as of 7/6/10.

On 7/7/10 I issued a letter to the property owner (Grace Ardell Greeley) regarding the drums and requesting contact with Ecology (see file).

On July 9, 2010 I received a call from Sharon Tanner and she explained that she inherited the property from her mother (Grace Ardell Greeley) some 15 years ago when she passed away. I advised her that the Pierce county property records had not been changed or updated.

Ms. Tanner went on the explain that she was aware of the drums and that they had been stored in the `museum` building. The drums were from her father`s work over the years that include treating wood for fencing. I explained that there was some spillage and that the drums were not marked. I advised her that it would be in her interest to have the drums properly tested and the waste disposed of by an environmental contractor especially since the property was unoccupied and someone had likely set the fire that destroyed the building which had housed the Pioneer Museum.

I also noted that there were two large fuel tanks on the property. Ms. Tanner said the elevated tank at the south end of the property had been used for gasoline but had been empty for many years. She did not seem to be aware of the second tank I observed at the southwest corner of the burned building.

I then explained that I would be sending another letter and would include a list of environmental contractors. I also encouraged her to have her grandson contact me as she said he was helping with trying to sell the property. I further advised her that I was available to provide advice and guidance to assist her, but if she chose not to do anything that I would have to refer this site to Ecology`s Toxic Cleanup Program and that her property would likely be listed as a contaminated site.

On July 13, 2010 I issued a second letter with the contractor list and photos of the drums. I requested that she inform me within 14 days of how she would be proceeding with the situation.

On 8/20/10 I contacted Ms. Tanner to check on the status of the property and she stated that her grandsons were directly involved with the situation and she provided their names and contact information:

Joshua Gunia (253) 579-6769
Jeremey Gunia (253) 273-4612

At approximately 1420, I was able to contact Joshua Gunia who confirmed that he was Ms. Tanner`s grandson and was working on selling the property and dealing with city officials regarding the burned structures. He said he was aware of the drums and would work on that issue also (he said he was not aware of the fact that Ecology had been communicating with his grandmother on this issue). Mr. Gunia asked me to email him the information I had provided to his grandmother at guniagroup@comcast.net. I said I would and that I would be available to help him as he proceeds with the cleanup.

The two letters, photos and contractor list were sent on 8/20/10 via email:

Joshua,
Attached are the photos and two letters that I sent to your grandmother.

Also, following is a link to Ecology`s list of environmental cleanup contractors (although you can choose any qualified contractor you want even if they are not on Ecology`s list):

http://www.ecy.wa.gov/programs/spills/response/Hazmat_Spill_Contractor_List.pdf

Please respond back to let me know that you received this information and also provide a mailing address where I can send correspondence to you.

Please feel free to contact me by phone or email if you have any questions.

Thank you and good luck with your efforts to sell the property.

Ron Holcomb
Hazardous Materials Specialist
Department of Ecology
Southwest Region
(360) 407-6373
Ron.Holcomb@ecy.wa.gov

I received the following reply from Joshua:

ERTS # 620837

Hi Ron . Thank you for the email and also for working with us on this. my mailing address is 15714 44th ave ct e Tacoma WA 98446. Have a great weekend.
Joshua Gunia, Vice President
A Advanced Septic Services, Inc.
253-435-9999 Office
253-579-6769Cell
joshua@guniagroup.com

aadvancedservices.com

'The Guys To Know When You Gotta Go!'

Because the SWRO Spill Response Unit has not received any information regarding the progress of the cleanup at this site, it will be referred to the Toxic Cleanup Program.

Referral to TCP (Sharon Bell, Tacoma-Pierce County Health Department) was made on 11/1/10.

Entry Person: HOLCOMB, RON Entry Date 6/29/2010

WASHINGTON STATE DEPARTMENT OF ECOLOGY

INITIAL INVESTIGATION FIELD REPORT

ERTS Number: 620837
Parcel #: 0420353027
COUNTY: PIERCE

SITE INFORMATION

Site Name (e.g., Co. name over door):	Site Address (including City and Zip+4):	Site Phone:
Pioneer Museum Former	2301 23rd St SE Puyallup, WA 98373	none
Site Contact and Title: Joshua Gunia, grandson of owner	Site Contact Address (including City and Zip+4): 11603 Canyon Road E. Puyallup 98373	Site Contact Phone: 253/435-9999
Site Owner: Sharon Tanner	Site Owner Address (including City and Zip+4): 11907 240th St NE Arlington, WA 98223	Site Owner Phone: 360/474-1829
Site Owner Contact:	Site Owner Contact Address (including City and Zip+4):	Owner Contact Phone:
Alternate Site Name(s):	Comments:	Is property > 10 acres? Yes ☒ No ☐
Previous Site Owner(s):	Comments:	

Location: Quarter-Quarter: 3-4 Section: 35 Township: 20N Range: 04E
Latitude: Degrees: 47 Minutes: 10 Seconds: 19.6 N
Longitude: Degrees: 122 Minutes: 15 Seconds: 54.8 W

INSPECTION INFORMATION

Inspection Date: 11.16.10	Inspection Time: 10 am	Entry Notice: Announced ☒ Unannounced ☐
Photographs Yes ☒ No ☐		Weather: Clear ☒ Rain ☐ Temperature: ~50 ° F
Samples Yes ☒ No ☐		Wind Direction: Wind Speed:

RECOMMENDATION

No Further Action (Indicate NFA in box below):		**LIST on ISIS** (Indicate in box below):	
Release or threatened release does not pose a threat	☐	Site Hazard Assessment	☒
No release or threatened release	☐	Interim Action	☐
Educational mailing	☐	Emergency Action	☐
Refer to program/agency (Name: _____)	☐	Independent Cleanup Action In progress	☐
Independent Cleanup Action Completed (i.e., contam, removed)	☐		

COMPLAINT (Brief Summary of ERTS):
Leaking drums

SITE STATUS (Brief Summary of site condition(s) after investigation):
Soil in vicinity of a cluster of stored drums is contaminated with petroleum hydrocarbons and agricultural chemicals.

Investigator: S. Bell	Date Submitted: 05.27.11

OBSERVATIONS

Description:

This property is about 20 acres in size, and encompasses three parcels. Two parcels list the taxpayer as Grace Ardell Greeley. A third parcel lists a separate taxpayer, Sharon Ottinger, with the same listed mailing address as the Greeley parcels. The Ottinger parcel is a half acre in size and forms the northwest corner of the southern Greeley parcel. Sharon Tanner currently owns all three parcels and is the daughter of Grace Greeley; Ottinger was her maiden name. The property was used as a farm and a museum until approximately 5 years ago when all activity ceased. The property was referred to as the Pioneer Museum, not to be confused with the Pioneer Farm Museum in Eatonville.

An arson fire occurred on the southern parcel, 0420353027, in late June 2010. The Fire Department encountered a number of unaffected drums in a burned structure on the property and contacted Ecology. Ron Holcomb with Ecology's Spill Response conducted an assessment of the drums and other containers. Subsequent information collected by Ron indicated the listed taxpayer, Grace Ardell Greely, had been dead for a number of years and the property had been inherited by her daughter, Sharon Tanner. Ms. Tanner designated her grandson, Joshua Gunia, as the point of contact regarding issues at the site. Spill Response referred the site to the Toxics Cleanup Program in November 2010 for follow up regarding soil contamination due to spillage from some of the drums.

I contacted Joshua Gunia and set up an appointment to meet him at the site on 11.16.10. We walked the site together, concentrating on the large storage building where the drums were located. The southern half of the building was destroyed in the fire. The remaining half is in poor condition, lacking a roof and exposing the drums stored inside to weather conditions. The drums were stored together and covered with tarps. Soil staining was apparent around the drums and in several other areas. I spoke with Joshua about the need for his family to hire an environmental professional to delineate the extent and type of contamination on the property due to the leaks and/or spills from the drums, and we also spoke about the need to properly dispose of the drum and their contents. He told me that it would require several months for the family to be able to coordinate that, and that they were trying to sell the property. I told Joshua that an interested buyer might be willing to conduct a Phase II Environmental Site Assessment.

No progress was made in assessing or remediating the soil contamination at this property. I eventually coordinated an approved site visit through Joshua to collect soil samples at the subject property. I returned to the property on 05.10.11 and collected three soil samples. All three samples were jar packed and submitted for HCID, Total RCRA metals, SVOCs, and PCB analyses. Metal and SVOC results were below MTCA CULs; PCBs were non-detect. HCID results indicated oil present in all three samples and gasoline present in S2. Further analysis with NWTPH-dx and NWTPH-gx found oil present in all three samples, ranging from 3100 to 37,000 mg/kg. Gasoline range organics were detected in S2 at 1,900 mg/kg and were noted by the lab to be similar to mineral spirits.

The S1 sample was also tested for the presence of chlorinated herbicides, as well as organochlorine and organophosphorus pesticides. All of the detected herbicide compounds are in the phenoxy chemical family. No organophosphorus pesticides were detected, with a reported laboratory PQL of 0.22 mg/kg. Lindane, an organochlorine pesticide, was detected at the cleanup level. The pesticide and herbicide compounds detected are tabulated below; only one has a MTCA Method A CUL (lindane). For those compounds found in CLARC, the Method B mg/kg values are also provided.

S1 results for pesticides and herbicides; measurement units are mg/kg

Method	Analyte Group	Detects	Concentration	MTCA CUL	CLARC
8081A	Organochlorine pesticides	Beta-BHC (**lindane**)	**0.01**	**0.01**	0.0769
		Methoxychlor	0.019	---	400
8151A	Chlorinated acid herbicides	MCPP	36	---	---
		MCPA	15	---	---
		Dichlorprop	1.1	---	---
		Pentachlorophenol	0.0035	---	8.33
		2,4,5-TP (Silvex)	0.094	---	640
		2,4-DB	0.037	---	640
		Dinoseb	0.011	---	80

Soil samples were jar packed, stored in a sample refrigerator, and transported on ice. GRO/VOCs were not anticipated as contaminants of concern. HCID results indicated the need to run S2 for gasoline and BTEX; the analytical results for these parameters should be considered estimates, with potential negative bias in the results as 5035A sample collection methods were not used and the sample preparation occurred past the recommended holding times. Also, matrix interference resulted in potential negative bias for the methoxychlor results; actual concentrations could be greater.

Summary: lube oil and gasoline range organics were found in concentrations exceeding MTCA Method A CULs. A variety of pesticides and herbicides were also detected; lindane was found in concentrations equaling the CUL. Further assessment of the site

for the presence of lindane and other agricul l chemicals is warranted. Note: EDB was no ted for.

The TPCHD recommends listing this property as contaminated.

Description of past practices likely to be responsible for contamination:
Overflowing drums, leaking drums, spillage associated with storage of products in drums.

ACTIVITIES OR PRACTICES RESPONSIBLE FOR CONTAMINATION:

Spill	☒	LUST	☐
Pesticide disposal	☐	Tank	☐
Landfill	☐	Improper handling	☐
Drums	☐	Improper disposal	☐
Other – Describe:			

Are discharges permitted (if yes, describe): No ☒ Yes ☐

Standard Industrial Code(s)

CONTAMINANT(S)

AFFECTED MEDIA	**CONTAMINANTS** (#1-16: See contaminants key) Enter letter designating status of contaminant: **C** = Confirmed (above cleanup levels); **S** = Suspected; **R**= Remediated															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Ground Water		**S**				**S**	**S**									
Surface Water																
Drinking Water																
Soil		**C**				**C**	**C**									
Sediment																
Air																

1 Base/neutral organics
2 Halogenated organic compounds
3 Metals - Priority pollutants
4 Metals - Other
5 Polychlorinated biPhenyls (PCBs)
6 Pesticides
7 Petroleum products
8 Phenolic compounds
9 Non-halogenated solvents
10 Dioxin
11 Polynuclear aromatic hydrocarbons (PAHs)
12 Reactive wastes
13 Corrosive wastes
14 Radioactive wastes
15 Conventional contaminants, organic
16 Conventional contaminants, inorganic

SITE INFORMATION

Soil type 13B Everett gravelly sandy loan and 20B, 20C Kitsap silt loam

Slope Level

Site vegetation/cover present:

Forest	☒	Pasture/open field	☒
Bare soil	☒	Wetlands	☐
Brush	☒	Pavement	☐
Landscaped	☐	Surface water	☐

Other – Describe:

Are there any drinking water systems affected?	☐ Yes	☐ No
Municipal, private, or both? (Circle one)		
How many people are estimated to be affected? _____		
Is there a potential for a release or threatened release to affect a drinking water source?	☐ Yes	☐ No
Are there monitoring wells in the vicinity?	☐ Yes	☐ No
Are there dry wells in the vicinity?	☐ Yes	☐ No

CONTAMINANT PATHWAYS AND TARGETS

	Ingestion	Inhalation	Contact
Ground Water	x	x	x
Surface Water	x	x	x
Drinking Water	x	x	x
Soil	x	x	x
Sediment			
Air		x	

Targets possible:

Human, adult	☒	Residential	☒
Human, children	☒	Industrial	☐
		Commercial	☐

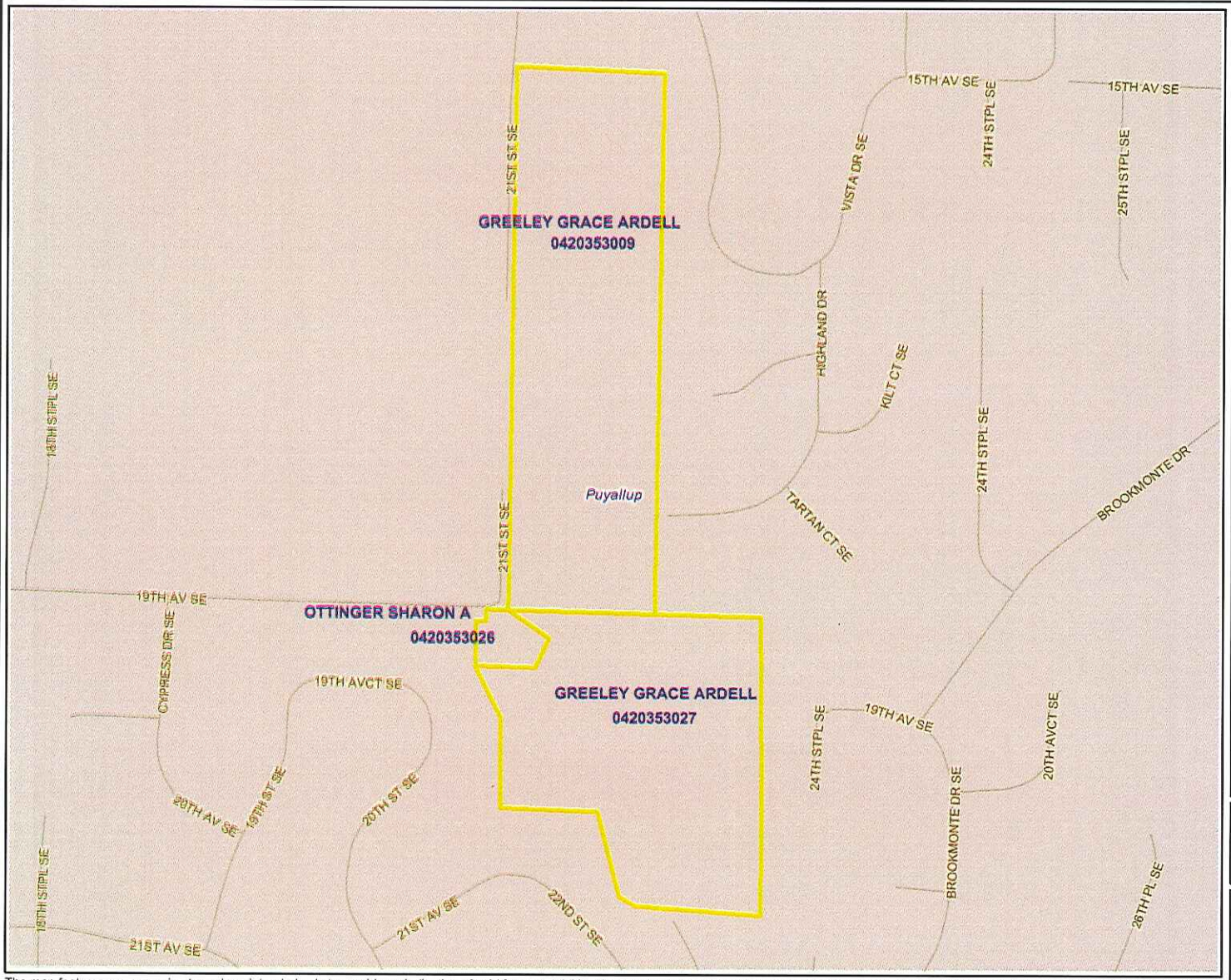
Sensitive environments (See WARM Scoring Manual for definition):

☒ Yes ☐ No If yes, describe:

This site overlies the Central Pierce County Sole Source Aquifer. A pond/wetland is present on the site. Within two miles are multiple wetlands, parks and streams.

General Comments:

ERTS 620837, Pioneer Museum Property



Map Legend

- Highlighted Tax Parcels
- Roads
- Interstate
- Limited Access State Routes
- Other State Routes
- Ramps
- Major Arterial
- Collector
- Local Access
- Pierce County Basemap
- Unincorporated County
- Tacoma
- Lakewood, Edgewood, Bonney Lake, Buckley, South Prairie
- Steilacoom, Fircrest, Fife, Gig Harbor, Orting, Eatonville, Roy, Carbonado, Wilkeson, Mt Rainier
- University Place, Puyallup, Auburn
- DuPont, Milton, Sumner
- Fort Lewis, McChord, McNeil Island
- Water

Scale 1:4,523

0 190 380 ft.

Printed: 5/25/11 3:36 PM

Tacoma - Pierce County Health Department
Healthy People in Healthy Communities
www.tpchd.org

The map features are approximate and are intended only to provide an indication of said feature. Additional areas that have not been mapped may be present. This is not a survey. Orthophotos and other data may not align. Pierce County assumes no liability for variations ascertained by actual survey. All data is expressly provided AS IS and WITH ALL FAULTS. Pierce County makes no warranty of fitness for a particular purpose.

ERTS 620837, Greeley Property, 2301 23rd St. SE, Puyallup

Map Legend

- Highlighted Tax Parcels
- Roads
- Interstate
- Limited Access State Routes
- Other State Routes
- Ramps
- Major Arterial
- Collector
- Local Access
- County - 2008 - Ortho

Scale 1:1,747

0 75 150 ft.

Printed: 5/10/11 5:38 PM

Tacoma - Pierce County Health Department
Healthy People in Healthy Communities
www.tpchd.org

The map features are approximate and are intended only to provide an indication of said feature. Additional areas that have not been mapped may be present. This is not a survey. Orthophotos and other data may not align. Pierce County assumes no liability for variations ascertained by actual survey. All data is expressly provided AS IS and WITH ALL FAULTS. Pierce County makes no warranty of fitness for a particular purpose.

Pierce County Assessor-Treasurer ePIP

Parcel Summary for 0420353027

05/24/2011 09:44 AM

Property Details

Parcel Number:	0420353027
Site Address:	2301 23RD ST SE
Account Type:	Real Property
Category:	Land and Improvements
Use Code:	8300-CU FARM & AGRI RCW 84.34 CURRENT USE

Taxpayer Details

Taxpayer Name:	GREELEY GRACE ARDELL
Mailing Address:	11907 240TH ST NE ARLINGTON WA 98223-8593

Appraisal Details

Value Area:	PI5
Appr Acct Type:	Residential
Business Name:	
Last Inspection:	03/02/2006 - Physical Inspection

Tax/Assessment

Property in Foreclosure	
Current Tax Year:	2011
Taxable Value:	89,590
Assessed Value:	405,000

Related Parcels

Group Account Number:	36250
Mobile/MFG Home and Personal Property parcel(s) located on this parcel:	n/a
Real parcel on which this parcel is located:	n/a

Tax Description

Section 35 Township 20 Range 04 Quarter 34 : PARCEL "D" OF DBLR 95-05-17-0491 DESC AS FOLL COM AT SW COR OF SW TH E ALG S LI SD SW 1974.60 FT TH N 01 DEG 06 MIN 54 SEC W 615.92 FT TO POB TH N 87 DEG 01 MIN 41 SEC W 292.30 FT TH N 61 DEG 33 MIN 32 SEC W 44.88 FT TH N 15 DEG 12 MIN 37 SEC W 219.64 FT TH N 88 DEG 57 MIN 28 SEC W 243.13 FT TH N 00 DEG 48 MIN 44 SEC W 226.43 FT TH N 27 DEG 29 MIN 55 SEC W 143.38 FT TH S 88 DEG 56 MIN 26 SEC E 145.92 FT TH N 28 DEG 41 MIN 48 SEC E 80.82 FT TH N 51 DEG 21 MIN 11 SEC W 132.18 FT TO N LI OF S 1/2 OF SW TH S 89 DEG 22 MIN 06 SEC E ALG SD LI 605.46 FT TH S 01 DEG 06 MIN 54 SEC E 750.69 FT TO POB CURRENT USE RCW 84.34 1973 AGRI AFN 2457397 8.99 ACS SEG F 7515 DC5/29/96JU

I acknowledge and agree to the prohibitions listed in RCW 42.56.070(9) against releasing and/or using lists of individuals for commercial purposes. Neither Pierce County nor the Assessor-Treasurer warrants the accuracy, reliability or timeliness of any information in this system, and shall not be held liable for losses caused by using this information. Portions of this information may not be current or accurate. Any person or entity who relies on any information obtained from this system does so at their own risk. ***All critical information should be independently verified.***

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Pierce County Assessor-Treasurer
Dale Washam
2401 South 35th St Room 142
Tacoma, Washington 98409
(253)798-6111 or Fax (253)798-3142
www.piercecountywa.org/atr

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Pierce County Assessor-Treasurer ePIP

Land Characteristics for 0420353027

05/24/2011 09:44 AM

Property Details		Taxpayer Details	
Parcel Number:	0420353027	**Taxpayer Name:**	GREELEY GRACE ARDELL
Site Address:	2301 23RD ST SE	**Mailing Address:**	11907 240TH ST NE ARLINGTON WA 98223-8593
Account Type:	Real Property		
Category:	Land and Improvements		
Use Code:	8300-CU FARM & AGRI RCW 84.34 CURRENT USE		
Location:		**Size**	
LEA:	090901	**SF:**	391,604
RTSQQ:	04-20-35-34	**Acres:**	8.99
		Front Ft:	0
Amenities		**Utilities**	
WF Type:	n/a	**Electric:**	Power Installed
View Quality:	n/a	**Sewer:**	Sewer/Septic Installed
Street Type:	Paved	**Water:**	Water Installed

Warning: Appraisal data provided is for informational purposes only and is incomplete for determination of value.

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Pierce County Assessor-Treasurer ePIP

Parcel Summary for 0420353009

05/24/2011 09:44 AM

Property Details

Parcel Number:	0420353009
Site Address:	2301 23RD AV SE
Account Type:	Real Property
Category:	Land and Improvements
Use Code:	8300-CU FARM & AGRI RCW 84.34 CURRENT USE

Taxpayer Details

Taxpayer Name:	GREELEY GRACE ARDELL
Mailing Address:	11907 240TH ST NE ARLINGTON WA 98223-8593

Appraisal Details

Value Area:	PI5
Appr Acct Type:	Residential
Business Name:	
Last Inspection:	02/23/2006 - Physical Inspection

Tax/Assessment

Property in Foreclosure	
Current Tax Year:	2011
Taxable Value:	1,805
Assessed Value:	351,600

Related Parcels

Group Account Number:	n/a
Mobile/MFG Home and Personal Property parcel(s) located on this parcel:	n/a
Real parcel on which this parcel is located:	n/a

Tax Description

Section 35 Township 20 Range 04 Quarter 31 : W 1/2 OF W 1/2 OF NE OF SW LESS N 30 FT ALSO W 33 FT OF E 1/2 OF W 1/2 OF NE OF SW EASE FOR PIPELI 2255510 CURRENT USE RCW 84.34 1973 AGRI AUD FEE # 2457397

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Pierce County Assessor-Treasurer ePIP

Land Characteristics for 0420353009

05/24/2011 09:45 AM

Property Details		Taxpayer Details	
Parcel Number:	0420353009	**Taxpayer Name:**	GREELEY GRACE ARDELL
Site Address:	2301 23RD AV SE	**Mailing Address:**	11907 240TH ST NE ARLINGTON WA 98223-8593
Account Type:	Real Property		
Category:	Land and Improvements		
Use Code:	8300-CU FARM & AGRI RCW 84.34 CURRENT USE		
Location:		**Size**	
LEA:	090901	**SF:**	469,141
RTSQQ:	04-20-35-31	**Acres:**	10.77
		Front Ft:	0
Amenities		**Utilities**	
WF Type:	n/a	**Electric:**	Power Available
View Quality:	View Lim	**Sewer:**	Sewer/Septic No
Street Type:	Paved	**Water:**	Water Available

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Pierce County Assessor-Treasurer ePIP

Parcel Summary for 0420353026

05/24/2011 09:45 AM

Property Details

Parcel Number:	0420353026
Site Address:	2100 19TH AV E
Account Type:	Real Property
Category:	Land and Improvements
Use Code:	1101-SINGLE FAMILY DWELLING

Taxpayer Details

Taxpayer Name:	OTTINGER SHARON A
Mailing Address:	11907 240TH ST NE ARLINGTON WA 98223-8593

Appraisal Details

Value Area:	PI5
Appr Acct Type:	Residential
Business Name:	
Last Inspection:	07/15/2004 - Board

Tax/Assessment

Property in Foreclosure	
Current Tax Year:	2011
Taxable Value:	177,200
Assessed Value:	177,200

Related Parcels

Group Account Number:	n/a
Mobile/MFG Home and Personal Property parcel(s) located on this parcel:	n/a
Real parcel on which this parcel is located:	n/a

Tax Description

Section 35 Township 20 Range 04 Quarter 32 : PARCEL "C" OF DBLR 95-07-17-0491 DESC AS FOLL COM AT SW COR OF SW TH N ALG W LI SD SW 1387.82 FT TO NW COR OF SW OF SW TH E ALG N LI SD SUBD 1260.60 FT TO POB TH CONT E 81.25 FT TH S 51 DEG 21 MIN 11 SEC E 132.18 FT TH S 28 DEG 41 MIN 48 SEC W 80.82 FT TH N 88 DEG 56 MIN 26 SEC W 145.92 FT TH N 151.64 FT TO POB EXC ANY POR LY IN N 30 FT OF SW OF SW DEEDED TO CY OF PUYALLUP BY AFN 1212399 SEG F 7515 DC5/29/96JU

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Pierce County Assessor-Treasurer ePIP

Land Characteristics for 0420353026

05/24/2011 09:45 AM

Property Details		Taxpayer Details	
Parcel Number:	0420353026	**Taxpayer Name:**	OTTINGER SHARON A
Site Address:	2100 19TH AV E	**Mailing Address:**	11907 240TH ST NE ARLINGTON WA 98223-8593
Account Type:	Real Property		
Category:	Land and Improvements		
Use Code:	1101-SINGLE FAMILY DWELLING		
Location:		**Size**	
LEA:	090901	**SF:**	22,528
RTSQQ:	04-20-35-32	**Acres:**	0.52
		Front Ft:	0
Amenities		**Utilities**	
WF Type:	n/a	**Electric:**	Power Installed
View Quality:	n/a	**Sewer:**	Sewer/Septic Installed
Street Type:	Paved	**Water:**	Water Installed

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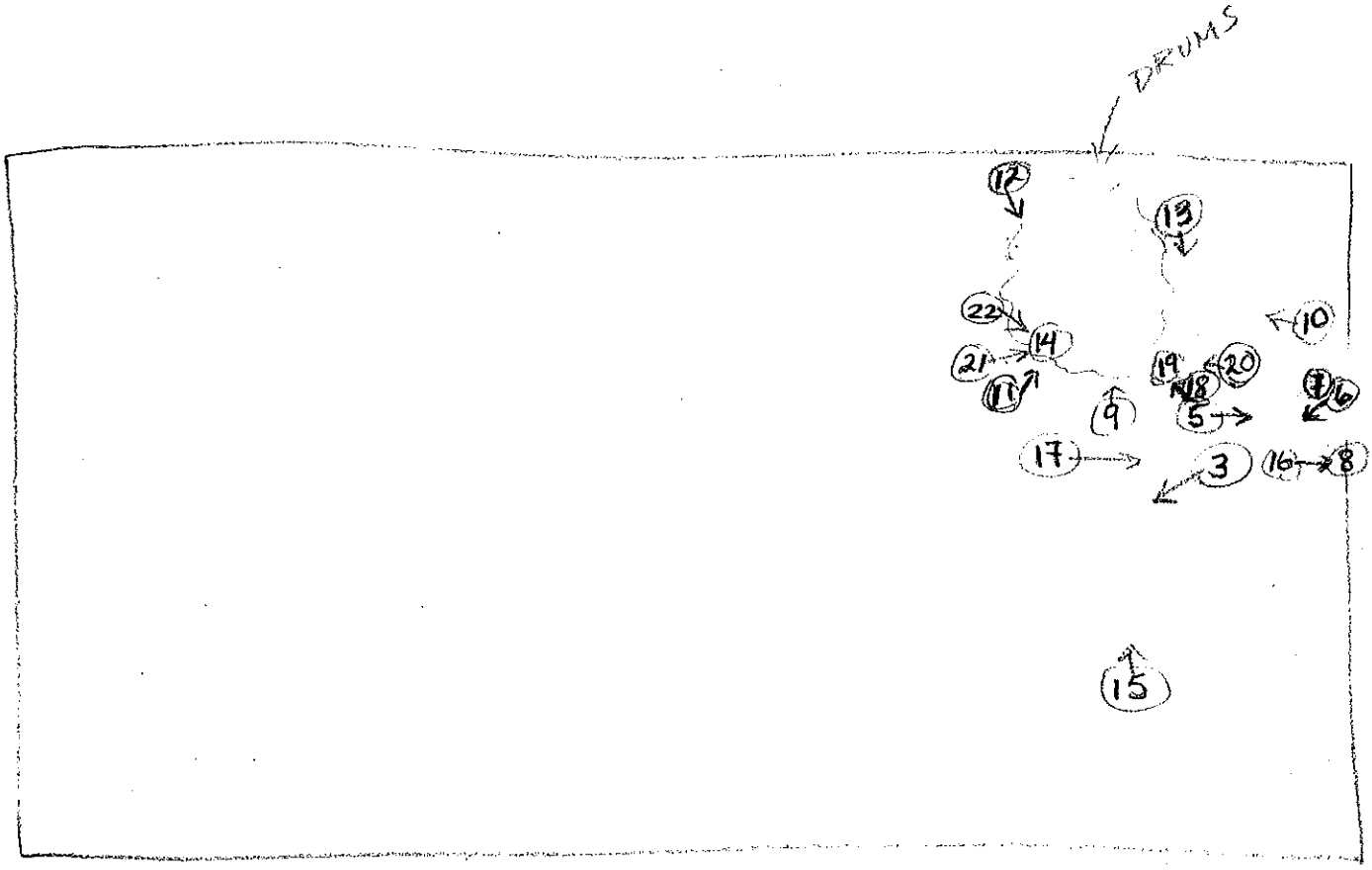
SITE MAP/DIAGRAM

Site Name ERTS 620837, GREELEY PROPERTY (aka Pioneer Museum)



Photos are numbered + shown on this drawing with reference to general location photo was taken from + direction of view. (2)

North

Approximate scale: _____ inch = _____ feet

ERTS Number

County PIERCE

Inspector S. Beel

Date 5/10/11

Sharon Bell

From: Sharon Bell
Sent: Tuesday, May 24, 2011 8:53 AM
To: 'A Advanced Septic'
Subject: Sample results
Attachments: 1105-092.pdf

Hi Joshua,

Attached is the lab report for the soil samples that I collected at the Pioneer Museum. I collected soil from three locations and had all three analyzed for petroleum hydrocarbons, metals, semivolatile compounds, and PCBs. I also had one of the samples analyzed for a variety of pesticides and herbicides.

The results indicate the presence of gasoline range hydrocarbons (GRO), likely mineral spirits, and lube oil in concentrations significantly above the state's cleanup levels: GRO was detected at 1900 ppm (state cleanup level is 100 ppm); lube oil ranged from 3100 to 37,000 ppm (state cleanup level is 2000 ppm). A variety of pesticides and herbicides were also detected.

These results are not meant to be comprehensive in assessing the nature or the extent of the contamination present at this site but may assist you in any future efforts to remediate the property. As discussed with you previously, I will be forwarding my field report to Ecology with a recommendation to list the property as contaminated.

You may want to contact Ecology about entering the Voluntary Cleanup Program (VCP) once you are ready to conduct a site cleanup. The contact at Ecology is Scott Rose and he can be reached at 360/407-6347 for more information about the VCP.

Sharon Bell

From: David Baumeister [dbaumeister@onsite-env.com]
Sent: Monday, May 23, 2011 3:14 PM
To: Sharon Bell
Subject: Report for Project 620837
Attachments: 1105-092.pdf

Good afternoon Sharon,

Please call or e-mail me with any questions.

Thank you,
David

Note that we have implemented paperless reporting. If you are in need of a hardcopy of your report or your invoice, please let me know.

David A. Baumeister
Project Manager

OnSite Environmental Inc.

14648 NE 95th Street, Redmond, WA 98052
www.onsite-env.com T: 425-883-3881 Cell: 206-550-2483
dbaumeister@onsite-env.com

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

May 23, 2011

Sharon Bell
Tacoma-Pierce County Health Department
3629 South "D" Street
Tacoma, WA 98418-6813

Re: Analytical Data for Project 620837
Laboratory Reference No. 1105-092

Dear Sharon:

Enclosed are the analytical results and associated quality control data for samples submitted on May 11, 2011.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

Case Narrative

Samples were collected on May 10, 2011 and received by the laboratory on May 11, 2011. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Organochlorine Pesticides by EPA 8081A Analysis

Due to negative effects of the matrix on the instrument, values for 4,4'-DDT and Methoxychlor in the continuing calibration verification standards (CCVs) were low. Therefore, values can be greater than reported. Since the degradation of the CCV standards was reproducible after re-injecting the sample extracts, the CCV degradation problem was attributed to the matrix of these samples.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Semivolatiles EPA 8270D/SIM Analysis

Some MTCA cleanup levels are non-achievable for samples S1-00-051011, S2-00-051011, and S3-00-051011 due to the necessary dilutions of the samples.

Surrogate recovery data is not available for sample S2-00-051011 due to the necessary dilution of the sample coupled with sample matrix effects.

Organophosphorus Pesticides by EPA 8270D/SIM Analysis

The surrogate recovery for Triphenyl phosphate is not available due to sample matrix interference.

NWTPH Gx/BTEX Analysis

Method 5035 VOA vials were not provided for sample S2-00-051011. The sample was therefore extracted from a 4-ounce jar for analysis.

The chromatogram for sample S2-00-051011 is similar to mineral spirits.

Please note that any other QA/QC issues associated with these extractions and analyses will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

NWTPH-HCID
(with acid/silica gel clean-up)

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S1-00-051011**					
Laboratory ID:	05-092-01					
Gasoline Range Organics	**ND**	33	NWTPH-HCID	5-11-11	5-11-11	U1
Diesel Range Organics	**ND**	6800	NWTPH-HCID	5-11-11	5-11-11	U1
Lube Oil	**Detected**	110	NWTPH-HCID	5-11-11	5-11-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*117*	*50-150*				
Client ID:	**S2-00-051011**					
Laboratory ID:	05-092-02					
Gasoline Range Organics	**Detected**	110	NWTPH-HCID	5-11-11	5-12-11	
Diesel Range Organics	**ND**	530	NWTPH-HCID	5-11-11	5-12-11	U1
Lube Oil	**Detected**	540	NWTPH-HCID	5-11-11	5-12-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*121*	*50-150*				
Client ID:	**S3-00-051011**					
Laboratory ID:	05-092-03					
Gasoline Range Organics	**ND**	21	NWTPH-HCID	5-11-11	5-11-11	
Diesel Range Organics	**ND**	5600	NWTPH-HCID	5-11-11	5-11-11	U1
Lube Oil	**Detected**	110	NWTPH-HCID	5-11-11	5-11-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*117*	*50-150*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

NWTPH-HCID
QUALITY CONTROL
(with acid/silica gel clean-up)

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0511S1					
Gasoline Range Organics	**ND**	20	NWTPH-HCID	5-11-11	5-11-11	
Diesel Range Organics	**ND**	50	NWTPH-HCID	5-11-11	5-11-11	
Lube Oil Range Organics	**ND**	100	NWTPH-HCID	5-11-11	5-11-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*118*	*50-150*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S1-00-051011**					
Laboratory ID:	05-092-01					
n-Nitrosodimethylamine	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
Pyridine	**ND**	19	EPA 8270	5-16-11	5-18-11	
Phenol	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
Aniline	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
bis(2-Chloroethyl)ether	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
2-Chlorophenol	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
1,3-Dichlorobenzene	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
1,4-Dichlorobenzene	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
Benzyl alcohol	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
1,2-Dichlorobenzene	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
2-Methylphenol (o-Cresol)	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
bis(2-Chloroisopropyl)ether	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
n-Nitroso-di-n-propylamine	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
Hexachloroethane	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
Nitrobenzene	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
Isophorone	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
2-Nitrophenol	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
2,4-Dimethylphenol	**ND**	19	EPA 8270	5-16-11	5-18-11	
bis(2-Chloroethoxy)methane	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
2,4-Dichlorophenol	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
1,2,4-Trichlorobenzene	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
Naphthalene	**ND**	0.015	EPA 8270/SIM	5-16-11	5-20-11	
4-Chloroaniline	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
Hexachlorobutadiene	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
4-Chloro-3-methylphenol	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
2-Methylnaphthalene	**ND**	0.015	EPA 8270/SIM	5-16-11	5-20-11	
1-Methylnaphthalene	**ND**	0.015	EPA 8270/SIM	5-16-11	5-20-11	
Hexachlorocyclopentadiene	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
2,4,6-Trichlorophenol	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
2,3-Dichloroaniline	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
2,4,5-Trichlorophenol	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
2-Chloronaphthalene	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
2-Nitroaniline	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
1,4-Dinitrobenzene	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
Dimethylphthalate	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
1,3-Dinitrobenzene	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
2,6-Dinitrotoluene	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
1,2-Dinitrobenzene	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
Acenaphthylene	**ND**	0.015	EPA 8270/SIM	5-16-11	5-20-11	
3-Nitroaniline	**ND**	1.9	EPA 8270	5-16-11	5-18-11	

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S1-00-051011**					
Laboratory ID:	05-092-01					
2,4-Dinitrophenol	**ND**	9.3	EPA 8270	5-16-11	5-18-11	
Acenaphthene	**0.019**	0.015	EPA 8270/SIM	5-16-11	5-20-11	
4-Nitrophenol	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
2,4-Dinitrotoluene	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
Dibenzofuran	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
2,3,5,6-Tetrachlorophenol	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
2,3,4,6-Tetrachlorophenol	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
Diethylphthalate	**ND**	9.3	EPA 8270	5-16-11	5-18-11	
4-Chlorophenyl-phenylether	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
4-Nitroaniline	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
Fluorene	**ND**	0.015	EPA 8270/SIM	5-16-11	5-20-11	
4,6-Dinitro-2-methylphenol	**ND**	9.3	EPA 8270	5-16-11	5-18-11	
n-Nitrosodiphenylamine	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
1,2-Diphenylhydrazine	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
4-Bromophenyl-phenylether	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
Hexachlorobenzene	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
Pentachlorophenol	**ND**	9.3	EPA 8270	5-16-11	5-18-11	
Phenanthrene	**ND**	0.015	EPA 8270/SIM	5-16-11	5-20-11	
Anthracene	**ND**	0.015	EPA 8270/SIM	5-16-11	5-20-11	
Carbazole	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
Di-n-butylphthalate	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
Fluoranthene	**ND**	0.015	EPA 8270/SIM	5-16-11	5-20-11	
Benzidine	**ND**	19	EPA 8270	5-16-11	5-18-11	
Pyrene	**ND**	0.015	EPA 8270/SIM	5-16-11	5-20-11	
Butylbenzylphthalate	**ND**	19	EPA 8270	5-16-11	5-18-11	
bis-2-Ethylhexyladipate	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
3,3'-Dichlorobenzidine	**ND**	19	EPA 8270	5-16-11	5-18-11	
Benzo[a]anthracene	**ND**	0.015	EPA 8270/SIM	5-16-11	5-20-11	
Chrysene	**ND**	0.015	EPA 8270/SIM	5-16-11	5-20-11	
bis(2-Ethylhexyl)phthalate	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
Di-n-octylphthalate	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
Benzo[b]fluoranthene	**0.029**	0.015	EPA 8270/SIM	5-16-11	5-20-11	
Benzo(j,k)fluoranthene	**0.040**	0.015	EPA 8270/SIM	5-16-11	5-20-11	
Benzo[a]pyrene	**0.13**	0.015	EPA 8270/SIM	5-16-11	5-20-11	
Indeno[1,2,3-cd]pyrene	**ND**	0.015	EPA 8270/SIM	5-16-11	5-20-11	
Dibenz[a,h]anthracene	**ND**	0.015	EPA 8270/SIM	5-16-11	5-20-11	
Benzo[g,h,i]perylene	**ND**	0.015	EPA 8270/SIM	5-16-11	5-20-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*73*	*30 - 97*				
Phenol-d6	*87*	*40 - 104*				
Nitrobenzene-d5	*75*	*35 - 102*				
2-Fluorobiphenyl	*91*	*44 - 97*				
2,4,6-Tribromophenol	*91*	*41 - 110*				
Terphenyl-d14	*86*	*53 - 107*				

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S2-00-051011**					
Laboratory ID:	05-092-02					
n-Nitrosodimethylamine	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
Pyridine	**ND**	36	EPA 8270	5-16-11	5-19-11	
Phenol	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
Aniline	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
bis(2-Chloroethyl)ether	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
2-Chlorophenol	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
1,3-Dichlorobenzene	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
1,4-Dichlorobenzene	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
Benzyl alcohol	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
1,2-Dichlorobenzene	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
2-Methylphenol (o-Cresol)	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
bis(2-Chloroisopropyl)ether	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
n-Nitroso-di-n-propylamine	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
Hexachloroethane	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
Nitrobenzene	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
Isophorone	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
2-Nitrophenol	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
2,4-Dimethylphenol	**ND**	36	EPA 8270	5-16-11	5-19-11	
bis(2-Chloroethoxy)methane	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
2,4-Dichlorophenol	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
1,2,4-Trichlorobenzene	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
Naphthalene	**0.55**	0.036	EPA 8270/SIM	5-16-11	5-20-11	
4-Chloroaniline	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
Hexachlorobutadiene	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
4-Chloro-3-methylphenol	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
2-Methylnaphthalene	**0.095**	0.036	EPA 8270/SIM	5-16-11	5-20-11	
1-Methylnaphthalene	**0.055**	0.036	EPA 8270/SIM	5-16-11	5-20-11	
Hexachlorocyclopentadiene	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
2,4,6-Trichlorophenol	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
2,3-Dichloroaniline	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
2,4,5-Trichlorophenol	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
2-Chloronaphthalene	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
2-Nitroaniline	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
1,4-Dinitrobenzene	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
Dimethylphthalate	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
1,3-Dinitrobenzene	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
2,6-Dinitrotoluene	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
1,2-Dinitrobenzene	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
Acenaphthylene	**ND**	0.036	EPA 8270/SIM	5-16-11	5-20-11	
3-Nitroaniline	**ND**	3.6	EPA 8270	5-16-11	5-19-11	

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S2-00-051011**					
Laboratory ID:	05-092-02					
2,4-Dinitrophenol	**ND**	18	EPA 8270	5-16-11	5-19-11	
Acenaphthene	**ND**	0.036	EPA 8270/SIM	5-16-11	5-20-11	
4-Nitrophenol	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
2,4-Dinitrotoluene	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
Dibenzofuran	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
2,3,5,6-Tetrachlorophenol	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
2,3,4,6-Tetrachlorophenol	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
Diethylphthalate	**ND**	18	EPA 8270	5-16-11	5-19-11	
4-Chlorophenyl-phenylether	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
4-Nitroaniline	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
Fluorene	**ND**	0.036	EPA 8270/SIM	5-16-11	5-20-11	
4,6-Dinitro-2-methylphenol	**ND**	18	EPA 8270	5-16-11	5-19-11	
n-Nitrosodiphenylamine	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
1,2-Diphenylhydrazine	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
4-Bromophenyl-phenylether	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
Hexachlorobenzene	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
Pentachlorophenol	**ND**	18	EPA 8270	5-16-11	5-19-11	
Phenanthrene	**0.060**	0.036	EPA 8270/SIM	5-16-11	5-20-11	
Anthracene	**ND**	0.036	EPA 8270/SIM	5-16-11	5-20-11	
Carbazole	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
Di-n-butylphthalate	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
Fluoranthene	**ND**	0.036	EPA 8270/SIM	5-16-11	5-20-11	
Benzidine	**ND**	36	EPA 8270	5-16-11	5-19-11	
Pyrene	**0.051**	0.036	EPA 8270/SIM	5-16-11	5-20-11	
Butylbenzylphthalate	**ND**	36	EPA 8270	5-16-11	5-19-11	
bis-2-Ethylhexyladipate	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
3,3'-Dichlorobenzidine	**ND**	36	EPA 8270	5-16-11	5-19-11	
Benzo[a]anthracene	**0.076**	0.036	EPA 8270/SIM	5-16-11	5-20-11	
Chrysene	**0.17**	0.036	EPA 8270/SIM	5-16-11	5-20-11	
bis(2-Ethylhexyl)phthalate	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
Di-n-octylphthalate	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
Benzo[b]fluoranthene	**0.037**	0.036	EPA 8270/SIM	5-16-11	5-20-11	
Benzo(j,k)fluoranthene	**ND**	0.036	EPA 8270/SIM	5-16-11	5-20-11	
Benzo[a]pyrene	**0.038**	0.036	EPA 8270/SIM	5-16-11	5-20-11	
Indeno[1,2,3-cd]pyrene	**ND**	0.036	EPA 8270/SIM	5-16-11	5-20-11	
Dibenz[a,h]anthracene	**ND**	0.036	EPA 8270/SIM	5-16-11	5-20-11	
Benzo[g,h,i]perylene	**ND**	0.036	EPA 8270/SIM	5-16-11	5-20-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	.--	*30 - 97*				S
Phenol-d6	.--	*40 - 104*				S
Nitrobenzene-d5	.--	*35 - 102*				S
2-Fluorobiphenyl	.--	*44 - 97*				S
2,4,6-Tribromophenol	.--	*41 - 110*				S
Terphenyl-d14	.--	*53 - 107*				S

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Laboratory Reference: 1105-092
Project: 620837

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S3-00-051011**					
Laboratory ID:	05-092-03					
n-Nitrosodimethylamine	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
Pyridine	**ND**	18	EPA 8270	5-16-11	5-19-11	
Phenol	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
Aniline	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
bis(2-Chloroethyl)ether	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
2-Chlorophenol	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
1,3-Dichlorobenzene	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
1,4-Dichlorobenzene	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
Benzyl alcohol	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
1,2-Dichlorobenzene	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
2-Methylphenol (o-Cresol)	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
bis(2-Chloroisopropyl)ether	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
n-Nitroso-di-n-propylamine	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
Hexachloroethane	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
Nitrobenzene	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
Isophorone	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
2-Nitrophenol	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
2,4-Dimethylphenol	**ND**	18	EPA 8270	5-16-11	5-19-11	
bis(2-Chloroethoxy)methane	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
2,4-Dichlorophenol	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
1,2,4-Trichlorobenzene	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
Naphthalene	**ND**	0.014	EPA 8270/SIM	5-16-11	5-19-11	
4-Chloroaniline	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
Hexachlorobutadiene	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
4-Chloro-3-methylphenol	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
2-Methylnaphthalene	**ND**	0.014	EPA 8270/SIM	5-16-11	5-19-11	
1-Methylnaphthalene	**ND**	0.014	EPA 8270/SIM	5-16-11	5-19-11	
Hexachlorocyclopentadiene	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
2,4,6-Trichlorophenol	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
2,3-Dichloroaniline	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
2,4,5-Trichlorophenol	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
2-Chloronaphthalene	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
2-Nitroaniline	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
1,4-Dinitrobenzene	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
Dimethylphthalate	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
1,3-Dinitrobenzene	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
2,6-Dinitrotoluene	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
1,2-Dinitrobenzene	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
Acenaphthylene	**ND**	0.014	EPA 8270/SIM	5-16-11	5-19-11	
3-Nitroaniline	**ND**	1.8	EPA 8270	5-16-11	5-19-11	

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Laboratory Reference: 1105-092
Project: 620837

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S3-00-051011**					
Laboratory ID:	05-092-03					
2,4-Dinitrophenol	**ND**	8.9	EPA 8270	5-16-11	5-19-11	
Acenaphthene	**0.015**	0.014	EPA 8270/SIM	5-16-11	5-19-11	
4-Nitrophenol	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
2,4-Dinitrotoluene	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
Dibenzofuran	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
2,3,5,6-Tetrachlorophenol	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
2,3,4,6-Tetrachlorophenol	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
Diethylphthalate	**ND**	8.9	EPA 8270	5-16-11	5-19-11	
4-Chlorophenyl-phenylether	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
4-Nitroaniline	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
Fluorene	**ND**	0.014	EPA 8270/SIM	5-16-11	5-19-11	
4,6-Dinitro-2-methylphenol	**ND**	8.9	EPA 8270	5-16-11	5-19-11	
n-Nitrosodiphenylamine	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
1,2-Diphenylhydrazine	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
4-Bromophenyl-phenylether	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
Hexachlorobenzene	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
Pentachlorophenol	**ND**	8.9	EPA 8270	5-16-11	5-19-11	
Phenanthrene	**0.052**	0.014	EPA 8270/SIM	5-16-11	5-19-11	
Anthracene	**ND**	0.014	EPA 8270/SIM	5-16-11	5-19-11	
Carbazole	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
Di-n-butylphthalate	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
Fluoranthene	**ND**	0.014	EPA 8270/SIM	5-16-11	5-19-11	
Benzidine	**ND**	18	EPA 8270	5-16-11	5-19-11	
Pyrene	**ND**	0.014	EPA 8270/SIM	5-16-11	5-19-11	
Butylbenzylphthalate	**ND**	18	EPA 8270	5-16-11	5-19-11	
bis-2-Ethylhexyladipate	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
3,3'-Dichlorobenzidine	**ND**	18	EPA 8270	5-16-11	5-19-11	
Benzo[a]anthracene	**ND**	0.014	EPA 8270/SIM	5-16-11	5-19-11	
Chrysene	**ND**	0.014	EPA 8270/SIM	5-16-11	5-19-11	
bis(2-Ethylhexyl)phthalate	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
Di-n-octylphthalate	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
Benzo[b]fluoranthene	**0.057**	0.014	EPA 8270/SIM	5-16-11	5-19-11	
Benzo(j,k)fluoranthene	**0.23**	0.014	EPA 8270/SIM	5-16-11	5-19-11	
Benzo[a]pyrene	**0.044**	0.014	EPA 8270/SIM	5-16-11	5-19-11	
Indeno[1,2,3-cd]pyrene	**ND**	0.014	EPA 8270/SIM	5-16-11	5-19-11	
Dibenz[a,h]anthracene	**ND**	0.014	EPA 8270/SIM	5-16-11	5-19-11	
Benzo[g,h,i]perylene	**ND**	0.014	EPA 8270/SIM	5-16-11	5-19-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*83*	*30 - 97*				
Phenol-d6	*96*	*40 - 104*				
Nitrobenzene-d5	*94*	*35 - 102*				
2-Fluorobiphenyl	*89*	*44 - 97*				
2,4,6-Tribromophenol	*87*	*41 - 110*				
Terphenyl-d14	*92*	*53 - 107*				

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0516S3					
n-Nitrosodimethylamine	ND	0.033	EPA 8270	5-16-11	5-17-11	
Pyridine	ND	0.33	EPA 8270	5-16-11	5-17-11	
Phenol	ND	0.033	EPA 8270	5-16-11	5-17-11	
Aniline	ND	0.033	EPA 8270	5-16-11	5-17-11	
bis(2-Chloroethyl)ether	ND	0.033	EPA 8270	5-16-11	5-17-11	
2-Chlorophenol	ND	0.033	EPA 8270	5-16-11	5-17-11	
1,3-Dichlorobenzene	ND	0.033	EPA 8270	5-16-11	5-17-11	
1,4-Dichlorobenzene	ND	0.033	EPA 8270	5-16-11	5-17-11	
Benzyl alcohol	ND	0.033	EPA 8270	5-16-11	5-17-11	
1,2-Dichlorobenzene	ND	0.033	EPA 8270	5-16-11	5-17-11	
2-Methylphenol (o-Cresol)	ND	0.033	EPA 8270	5-16-11	5-17-11	
bis(2-Chloroisopropyl)ether	ND	0.033	EPA 8270	5-16-11	5-17-11	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.033	EPA 8270	5-16-11	5-17-11	
n-Nitroso-di-n-propylamine	ND	0.033	EPA 8270	5-16-11	5-17-11	
Hexachloroethane	ND	0.033	EPA 8270	5-16-11	5-17-11	
Nitrobenzene	ND	0.033	EPA 8270	5-16-11	5-17-11	
Isophorone	ND	0.033	EPA 8270	5-16-11	5-17-11	
2-Nitrophenol	ND	0.033	EPA 8270	5-16-11	5-17-11	
2,4-Dimethylphenol	ND	0.33	EPA 8270	5-16-11	5-17-11	
bis(2-Chloroethoxy)methane	ND	0.033	EPA 8270	5-16-11	5-17-11	
2,4-Dichlorophenol	ND	0.033	EPA 8270	5-16-11	5-17-11	
1,2,4-Trichlorobenzene	ND	0.033	EPA 8270	5-16-11	5-17-11	
Naphthalene	ND	0.0067	EPA 8270/SIM	5-16-11	5-19-11	
4-Chloroaniline	ND	0.033	EPA 8270	5-16-11	5-17-11	
Hexachlorobutadiene	ND	0.033	EPA 8270	5-16-11	5-17-11	
4-Chloro-3-methylphenol	ND	0.033	EPA 8270	5-16-11	5-17-11	
2-Methylnaphthalene	ND	0.0067	EPA 8270/SIM	5-16-11	5-19-11	
1-Methylnaphthalene	ND	0.0067	EPA 8270/SIM	5-16-11	5-19-11	
Hexachlorocyclopentadiene	ND	0.033	EPA 8270	5-16-11	5-17-11	
2,4,6-Trichlorophenol	ND	0.033	EPA 8270	5-16-11	5-17-11	
2,3-Dichloroaniline	ND	0.033	EPA 8270	5-16-11	5-17-11	
2,4,5-Trichlorophenol	ND	0.033	EPA 8270	5-16-11	5-17-11	
2-Chloronaphthalene	ND	0.033	EPA 8270	5-16-11	5-17-11	
2-Nitroaniline	ND	0.033	EPA 8270	5-16-11	5-17-11	
1,4-Dinitrobenzene	ND	0.033	EPA 8270	5-16-11	5-17-11	
Dimethylphthalate	ND	0.033	EPA 8270	5-16-11	5-17-11	
1,3-Dinitrobenzene	ND	0.033	EPA 8270	5-16-11	5-17-11	
2,6-Dinitrotoluene	ND	0.033	EPA 8270	5-16-11	5-17-11	
1,2-Dinitrobenzene	ND	0.033	EPA 8270	5-16-11	5-17-11	
Acenaphthylene	ND	0.0067	EPA 8270/SIM	5-16-11	5-19-11	
3-Nitroaniline	ND	0.033	EPA 8270	5-16-11	5-17-11	

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0516S3					
2,4-Dinitrophenol	ND	0.17	EPA 8270	5-16-11	5-17-11	
Acenaphthene	ND	0.0067	EPA 8270/SIM	5-16-11	5-19-11	
4-Nitrophenol	ND	0.033	EPA 8270	5-16-11	5-17-11	
2,4-Dinitrotoluene	ND	0.033	EPA 8270	5-16-11	5-17-11	
Dibenzofuran	ND	0.033	EPA 8270	5-16-11	5-17-11	
2,3,5,6-Tetrachlorophenol	ND	0.033	EPA 8270	5-16-11	5-17-11	
2,3,4,6-Tetrachlorophenol	ND	0.033	EPA 8270	5-16-11	5-17-11	
Diethylphthalate	ND	0.17	EPA 8270	5-16-11	5-17-11	
4-Chlorophenyl-phenylether	ND	0.033	EPA 8270	5-16-11	5-17-11	
4-Nitroaniline	ND	0.033	EPA 8270	5-16-11	5-17-11	
Fluorene	ND	0.0067	EPA 8270/SIM	5-16-11	5-19-11	
4,6-Dinitro-2-methylphenol	ND	0.17	EPA 8270	5-16-11	5-17-11	
n-Nitrosodiphenylamine	ND	0.033	EPA 8270	5-16-11	5-17-11	
1,2-Diphenylhydrazine	ND	0.033	EPA 8270	5-16-11	5-17-11	
4-Bromophenyl-phenylether	ND	0.033	EPA 8270	5-16-11	5-17-11	
Hexachlorobenzene	ND	0.033	EPA 8270	5-16-11	5-17-11	
Pentachlorophenol	ND	0.17	EPA 8270	5-16-11	5-17-11	
Phenanthrene	ND	0.0067	EPA 8270/SIM	5-16-11	5-19-11	
Anthracene	ND	0.0067	EPA 8270/SIM	5-16-11	5-19-11	
Carbazole	ND	0.033	EPA 8270	5-16-11	5-17-11	
Di-n-butylphthalate	ND	0.33	EPA 8270	5-16-11	5-17-11	
Fluoranthene	ND	0.0067	EPA 8270/SIM	5-16-11	5-19-11	
Benzidine	ND	0.33	EPA 8270	5-16-11	5-17-11	
Pyrene	ND	0.0067	EPA 8270/SIM	5-16-11	5-19-11	
Butylbenzylphthalate	ND	0.33	EPA 8270	5-16-11	5-17-11	
bis-2-Ethylhexyladipate	ND	0.033	EPA 8270	5-16-11	5-17-11	
3,3'-Dichlorobenzidine	ND	0.33	EPA 8270	5-16-11	5-17-11	
Benzo[a]anthracene	ND	0.0067	EPA 8270/SIM	5-16-11	5-19-11	
Chrysene	ND	0.0067	EPA 8270/SIM	5-16-11	5-19-11	
bis(2-Ethylhexyl)phthalate	ND	0.033	EPA 8270	5-16-11	5-17-11	
Di-n-octylphthalate	ND	0.033	EPA 8270	5-16-11	5-17-11	
Benzo[b]fluoranthene	ND	0.0067	EPA 8270/SIM	5-16-11	5-19-11	
Benzo(j,k)fluoranthene	ND	0.0067	EPA 8270/SIM	5-16-11	5-19-11	
Benzo[a]pyrene	ND	0.0067	EPA 8270/SIM	5-16-11	5-19-11	
Indeno[1,2,3-cd]pyrene	ND	0.0067	EPA 8270/SIM	5-16-11	5-19-11	
Dibenz[a,h]anthracene	ND	0.0067	EPA 8270/SIM	5-16-11	5-19-11	
Benzo[g,h,i]perylene	ND	0.0067	EPA 8270/SIM	5-16-11	5-19-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*58*	*30 - 97*				
Phenol-d6	*64*	*40 - 104*				
Nitrobenzene-d5	*60*	*35 - 102*				
2-Fluorobiphenyl	*66*	*44 - 97*				
2,4,6-Tribromophenol	*71*	*41 - 110*				
Terphenyl-d14	*74*	*53 - 107*				

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

SEMIVOLATILES by EPA 8270D/SIM
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0516S3									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	**0.895**	**1.04**	1.33	1.33	67	78	31 - 111	15	34	
2-Chlorophenol	**0.899**	**1.03**	1.33	1.33	68	77	29 - 112	14	37	
1,4-Dichlorobenzene	**0.421**	**0.488**	0.667	0.667	63	73	24 - 100	15	37	
n-Nitroso-di-n-propylamine	**0.435**	**0.491**	0.667	0.667	65	74	35 - 104	12	32	
1,2,4-Trichlorobenzene	**0.420**	**0.472**	0.667	0.667	63	71	29 - 94	12	35	
4-Chloro-3-methylphenol	**0.967**	**1.06**	1.33	1.33	73	80	53 - 104	9	25	
Acenaphthene	**0.462**	**0.505**	0.667	0.667	69	76	50 - 95	9	23	
4-Nitrophenol	**1.06**	**1.14**	1.33	1.33	80	86	42 - 126	7	30	
2,4-Dinitrotoluene	**0.496**	**0.565**	0.667	0.667	74	85	53 - 103	13	31	
Pentachlorophenol	**0.971**	**1.06**	1.33	1.33	73	80	50 - 116	9	30	
Pyrene	**0.495**	**0.531**	0.667	0.667	74	80	57 - 108	7	27	
Surrogate:										
2-Fluorophenol					*62*	*71*	*30 - 97*			
Phenol-d6					*69*	*80*	*40 - 104*			
Nitrobenzene-d5					*70*	*77*	*35 - 102*			
2-Fluorobiphenyl					*72*	*76*	*44 - 97*			
2,4,6-Tribromophenol					*74*	*80*	*41 - 110*			
Terphenyl-d14					*75*	*81*	*53 - 107*			

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S1-00-051011**					
Laboratory ID:	05-092-01					
Aroclor 1016	**ND**	0.056	EPA 8082	5-11-11	5-12-11	
Aroclor 1221	**ND**	0.056	EPA 8082	5-11-11	5-12-11	
Aroclor 1232	**ND**	0.056	EPA 8082	5-11-11	5-12-11	
Aroclor 1242	**ND**	0.056	EPA 8082	5-11-11	5-12-11	
Aroclor 1248	**ND**	0.056	EPA 8082	5-11-11	5-12-11	
Aroclor 1254	**ND**	0.056	EPA 8082	5-11-11	5-12-11	
Aroclor 1260	**ND**	0.056	EPA 8082	5-11-11	5-12-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*72*	*42-123*				
Client ID:	**S2-00-051011**					
Laboratory ID:	05-092-02					
Aroclor 1016	**ND**	0.054	EPA 8082	5-11-11	5-12-11	
Aroclor 1221	**ND**	0.054	EPA 8082	5-11-11	5-12-11	
Aroclor 1232	**ND**	0.054	EPA 8082	5-11-11	5-12-11	
Aroclor 1242	**ND**	0.054	EPA 8082	5-11-11	5-12-11	
Aroclor 1248	**ND**	0.054	EPA 8082	5-11-11	5-12-11	
Aroclor 1254	**ND**	0.054	EPA 8082	5-11-11	5-12-11	
Aroclor 1260	**ND**	0.054	EPA 8082	5-11-11	5-12-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*71*	*42-123*				
Client ID:	**S3-00-051011**					
Laboratory ID:	05-092-03					
Aroclor 1016	**ND**	0.053	EPA 8082	5-11-11	5-12-11	
Aroclor 1221	**ND**	0.053	EPA 8082	5-11-11	5-12-11	
Aroclor 1232	**ND**	0.053	EPA 8082	5-11-11	5-12-11	
Aroclor 1242	**ND**	0.053	EPA 8082	5-11-11	5-12-11	
Aroclor 1248	**ND**	0.053	EPA 8082	5-11-11	5-12-11	
Aroclor 1254	**ND**	0.053	EPA 8082	5-11-11	5-12-11	
Aroclor 1260	**ND**	0.053	EPA 8082	5-11-11	5-12-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*75*	*42-123*				

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

PCBs by EPA 8082
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0511S1					
Aroclor 1016	**ND**	0.050	EPA 8082	5-11-11	5-12-11	
Aroclor 1221	**ND**	0.050	EPA 8082	5-11-11	5-12-11	
Aroclor 1232	**ND**	0.050	EPA 8082	5-11-11	5-12-11	
Aroclor 1242	**ND**	0.050	EPA 8082	5-11-11	5-12-11	
Aroclor 1248	**ND**	0.050	EPA 8082	5-11-11	5-12-11	
Aroclor 1254	**ND**	0.050	EPA 8082	5-11-11	5-12-11	
Aroclor 1260	**ND**	0.050	EPA 8082	5-11-11	5-12-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*81*	*42-123*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	05-078-01										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.468**	**0.461**	0.500	0.500	ND	**94**	**92**	44-125	2	15	
Surrogate:											
DCB						*77*	*75*	*42-123*			

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

ORGANOCHLORINE PESTICIDES by EPA 8081A

Matrix: Soil
Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S1-00-051011**					
Laboratory ID:	05-092-01					
alpha-BHC	**ND**	5.6	EPA 8081	5-12-11	5-13-11	
gamma-BHC	**ND**	5.6	EPA 8081	5-12-11	5-13-11	
beta-BHC	**10**	5.6	EPA 8081	5-12-11	5-13-11	P
delta-BHC	**ND**	5.6	EPA 8081	5-12-11	5-13-11	
Heptachlor	**ND**	5.6	EPA 8081	5-12-11	5-13-11	
Aldrin	**ND**	5.6	EPA 8081	5-12-11	5-13-11	
Heptachlor Epoxide	**ND**	5.6	EPA 8081	5-12-11	5-13-11	
gamma-Chlordane	**ND**	11	EPA 8081	5-12-11	5-13-11	
alpha-Chlordane	**ND**	11	EPA 8081	5-12-11	5-13-11	
4,4'-DDE	**ND**	11	EPA 8081	5-12-11	5-13-11	
Endosulfan I	**ND**	5.6	EPA 8081	5-12-11	5-13-11	
Dieldrin	**ND**	11	EPA 8081	5-12-11	5-13-11	
Endrin	**ND**	11	EPA 8081	5-12-11	5-13-11	
4,4'-DDD	**ND**	11	EPA 8081	5-12-11	5-13-11	
Endosulfan II	**ND**	11	EPA 8081	5-12-11	5-13-11	
4,4'-DDT	**ND**	11	EPA 8081	5-12-11	5-13-11	
Endrin Aldehyde	**ND**	11	EPA 8081	5-12-11	5-13-11	
Methoxychlor	**19**	11	EPA 8081	5-12-11	5-13-11	P
Endosulfan Sulfate	**ND**	11	EPA 8081	5-12-11	5-13-11	
Endrin Ketone	**ND**	11	EPA 8081	5-12-11	5-13-11	
Toxaphene	**ND**	56	EPA 8081	5-12-11	5-13-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*74*	*30-111*				
DCB	*64*	*33-119*				

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

ORGANOCHLORINE PESTICIDES by EPA 8081A METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0512S1					
alpha-BHC	**ND**	5.0	EPA 8081	5-12-11	5-13-11	
gamma-BHC	**ND**	5.0	EPA 8081	5-12-11	5-13-11	
beta-BHC	**ND**	5.0	EPA 8081	5-12-11	5-13-11	
delta-BHC	**ND**	5.0	EPA 8081	5-12-11	5-13-11	
Heptachlor	**ND**	5.0	EPA 8081	5-12-11	5-13-11	
Aldrin	**ND**	5.0	EPA 8081	5-12-11	5-13-11	
Heptachlor Epoxide	**ND**	5.0	EPA 8081	5-12-11	5-13-11	
gamma-Chlordane	**ND**	10	EPA 8081	5-12-11	5-13-11	
alpha-Chlordane	**ND**	10	EPA 8081	5-12-11	5-13-11	
4,4'-DDE	**ND**	10	EPA 8081	5-12-11	5-13-11	
Endosulfan I	**ND**	5.0	EPA 8081	5-12-11	5-13-11	
Dieldrin	**ND**	10	EPA 8081	5-12-11	5-13-11	
Endrin	**ND**	10	EPA 8081	5-12-11	5-13-11	
4,4'-DDD	**ND**	10	EPA 8081	5-12-11	5-13-11	
Endosulfan II	**ND**	10	EPA 8081	5-12-11	5-13-11	
4,4'-DDT	**ND**	10	EPA 8081	5-12-11	5-13-11	
Endrin Aldehyde	**ND**	10	EPA 8081	5-12-11	5-13-11	
Methoxychlor	**ND**	10	EPA 8081	5-12-11	5-13-11	
Endosulfan Sulfate	**ND**	10	EPA 8081	5-12-11	5-13-11	
Endrin Ketone	**ND**	10	EPA 8081	5-12-11	5-13-11	
Toxaphene	**ND**	50	EPA 8081	5-12-11	5-13-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*83*	*30-111*				
DCB	*81*	*33-119*				

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Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

ORGANOCHLORINE PESTICIDES by EPA 8081A
MS/MSD QUALITY CONTROL

Matrix: Soil
Units: ug/Kg (ppb)

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	05-092-01										
	MS	MSD	MS	MSD		MS	MSD				
gamma-BHC	**33.4**	**34.6**	50.0	50.0	ND	**67**	**69**	32-96	4	10	
Heptachlor	**33.8**	**35.0**	50.0	50.0	ND	**68**	**70**	29-101	3	13	
Aldrin	**37.4**	**36.1**	50.0	50.0	ND	**75**	**72**	27-99	4	10	
Dieldrin	**90.3**	**93.3**	125	125	ND	**72**	**75**	33-92	3	10	
Endrin	**90.0**	**91.8**	125	125	ND	**72**	**73**	29-101	2	11	
4,4'-DDT	**84.6**	**83.6**	125	125	ND	**68**	**67**	21-114	1	15	
Surrogate:											
TCMX						*77*	*84*	*30-111*			
DCB						*73*	*78*	*33-119*			

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

CHLORINATED ACID HERBICIDES by EPA 8151A

Matrix: Soil
Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S1-00-051011**					
Laboratory ID:	05-092-01					
Dalapon	**ND**	260	EPA 8151	5-12-11	5-19-11	
Dicamba	**ND**	11	EPA 8151	5-12-11	5-19-11	
MCPP	**36000**	10000	EPA 8151	5-12-11	5-19-11	
MCPA	**15000**	10000	EPA 8151	5-12-11	5-19-11	P
Dichlorprop	**1100**	790	EPA 8151	5-12-11	5-19-11	
2,4-D	**ND**	11	EPA 8151	5-12-11	5-19-11	
Pentachlorophenol	**3.5**	1.1	EPA 8151	5-12-11	5-19-11	P
2,4,5-TP (Silvex)	**94**	11	EPA 8151	5-12-11	5-19-11	
2,4,5-T	**ND**	11	EPA 8151	5-12-11	5-19-11	
2,4-DB	**37**	11	EPA 8151	5-12-11	5-19-11	
Dinoseb	**11**	11	EPA 8151	5-12-11	5-19-11	P
Surrogate:	*Percent Recovery*	*Control Limits*				
DCAA	*57*	*30-96*				

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

CHLORINATED ACID HERBICIDES by EPA 8151A QUALITY CONTROL

Matrix: Soil
Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0512S1					
Dalapon	**ND**	230	EPA 8151	5-12-11	5-18-11	
Dicamba	**ND**	9.4	EPA 8151	5-12-11	5-18-11	
MCPP	**ND**	940	EPA 8151	5-12-11	5-18-11	
MCPA	**ND**	940	EPA 8151	5-12-11	5-18-11	
Dichlorprop	**ND**	71	EPA 8151	5-12-11	5-18-11	
2,4-D	**ND**	9.4	EPA 8151	5-12-11	5-18-11	
Pentachlorophenol	**ND**	0.95	EPA 8151	5-12-11	5-18-11	
2,4,5-TP (Silvex)	**ND**	9.5	EPA 8151	5-12-11	5-18-11	
2,4,5-T	**ND**	9.5	EPA 8151	5-12-11	5-18-11	
2,4-DB	**ND**	9.5	EPA 8151	5-12-11	5-18-11	
Dinoseb	**ND**	9.5	EPA 8151	5-12-11	5-18-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCAA	*47*	*30-96*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	05-092-01										
	MS	MSD	MS	MSD		MS	MSD				
Dicamba	**60.4**	**58.1**	100	100	ND	**60**	**58**	25-101	4	30	
2,4-D	**49.5**	**54.7**	100	100	ND	**49**	**55**	25-84	10	28	
Pentachlorophenol	**7.52**	**7.79**	10.0	10.0	3.13	**44**	**47**	27-96	4	26	
2,4,5-T	**53.0**	**54.0**	100	100	ND	**53**	**54**	25-94	2	20	
2,4-DB	**67.2**	**76.0**	100	100	33.4	**34**	**43**	25-117	12	27	
Surrogate:											
DCAA						*79*	*56*	*30-96*			

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	05-092-01					
Client ID:	**S1-00-051011**					
Arsenic	**ND**	11	6010B	5-13-11	5-13-11	
Barium	**210**	2.8	6010B	5-13-11	5-13-11	
Cadmium	**ND**	0.56	6010B	5-13-11	5-13-11	
Chromium	**25**	0.56	6010B	5-13-11	5-13-11	
Lead	**79**	5.6	6010B	5-13-11	5-13-11	
Mercury	**ND**	0.28	7471A	5-11-11	5-11-11	
Selenium	**ND**	11	6010B	5-13-11	5-13-11	
Silver	**ND**	0.56	6010B	5-13-11	5-13-11	
Lab ID:	05-092-02					
Client ID:	**S2-00-051011**					
Arsenic	**ND**	11	6010B	5-13-11	5-13-11	
Barium	**130**	2.7	6010B	5-13-11	5-13-11	
Cadmium	**ND**	0.54	6010B	5-13-11	5-13-11	
Chromium	**28**	0.54	6010B	5-13-11	5-13-11	
Lead	**13**	5.4	6010B	5-13-11	5-13-11	
Mercury	**ND**	0.27	7471A	5-11-11	5-11-11	
Selenium	**ND**	11	6010B	5-13-11	5-13-11	
Silver	**ND**	0.54	6010B	5-13-11	5-13-11	

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	05-092-03					
Client ID:	**S3-00-051011**					
Arsenic	**ND**	11	6010B	5-13-11	5-13-11	
Barium	**91**	2.7	6010B	5-13-11	5-13-11	
Cadmium	**ND**	0.53	6010B	5-13-11	5-13-11	
Chromium	**18**	0.53	6010B	5-13-11	5-13-11	
Lead	**10**	5.3	6010B	5-13-11	5-13-11	
Mercury	**ND**	0.27	7471A	5-11-11	5-11-11	
Selenium	**ND**	11	6010B	5-13-11	5-13-11	
Silver	**ND**	0.53	6010B	5-13-11	5-13-11	

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

TOTAL METALS
EPA 6010B
METHOD BLANK QUALITY CONTROL

Date Extracted:	5-13-11
Date Analyzed:	5-13-11
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB0513S1

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	10
Barium	6010B	**ND**	2.5
Cadmium	6010B	**ND**	0.50
Chromium	6010B	**ND**	0.50
Lead	6010B	**ND**	5.0
Selenium	6010B	**ND**	10
Silver	6010B	**ND**	0.50

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

TOTAL MERCURY
EPA 7471A
METHOD BLANK QUALITY CONTROL

Date Extracted:	5-11-11
Date Analyzed:	5-11-11
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB0511S1

Analyte	Method	Result	PQL
Mercury	7471A	**ND**	0.25

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

TOTAL METALS
EPA 6010B
DUPLICATE QUALITY CONTROL

Date Extracted: 5-13-11
Date Analyzed: 5-13-11

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 05-090-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Barium	**67.1**	**71.8**	7	2.5	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**40.5**	**43.0**	6	0.50	
Lead	**9.79**	**9.83**	0	5.0	
Selenium	**ND**	**ND**	NA	10	
Silver	**ND**	**ND**	NA	0.50	

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

TOTAL MERCURY
EPA 7471A
DUPLICATE QUALITY CONTROL

Date Extracted: 5-11-11
Date Analyzed: 5-11-11

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 05-081-13

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Mercury	**ND**	**ND**	NA	0.25	

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

TOTAL METALS
EPA 6010B
MS/MSD QUALITY CONTROL

Date Extracted: 5-13-11
Date Analyzed: 5-13-11

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 05-090-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**92.6**	93	**92.8**	93	0	
Barium	100	**176**	109	**168**	101	5	
Cadmium	50.0	**48.4**	97	**47.6**	95	2	
Chromium	100	**137**	97	**132**	92	4	
Lead	250	**240**	92	**237**	91	1	
Selenium	100	**96.0**	96	**94.9**	95	1	
Silver	25.0	**22.3**	89	**22.0**	88	2	

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

TOTAL MERCURY
EPA 7471A
MS/MSD QUALITY CONTROL

Date Extracted: 5-11-11
Date Analyzed: 5-11-11

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 05-081-13

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Mercury	**ND**	**ND**	NA	0.25	

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

ORGANOPHOSPHORUS PESTICIDES by EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S1-00-051011**					
Laboratory ID:	05-092-01					
Dichlorvos(DDVP)	**ND**	0.22	EPA 8270/SIM	5-16-11	5-17-11	
Mevinphos/Phosdrin	**ND**	0.22	EPA 8270/SIM	5-16-11	5-17-11	
Ethoprophos	**ND**	0.56	EPA 8270/SIM	5-16-11	5-17-11	
Monocrotophos	**ND**	0.56	EPA 8270/SIM	5-16-11	5-17-11	
Naled	**ND**	0.56	EPA 8270/SIM	5-16-11	5-17-11	
Sulfotepp	**ND**	0.22	EPA 8270/SIM	5-16-11	5-17-11	
Phorate	**ND**	0.22	EPA 8270/SIM	5-16-11	5-17-11	
Dimethoate	**ND**	0.22	EPA 8270/SIM	5-16-11	5-17-11	
Demeton-S	**ND**	0.22	EPA 8270/SIM	5-16-11	5-17-11	
Diazinon	**ND**	0.22	EPA 8270/SIM	5-16-11	5-17-11	
Disulfoton	**ND**	0.22	EPA 8270/SIM	5-16-11	5-17-11	
Parathion-methyl	**ND**	0.22	EPA 8270/SIM	5-16-11	5-17-11	
Fenchlorphos/Ronnel	**ND**	0.22	EPA 8270/SIM	5-16-11	5-17-11	
Malathion	**ND**	0.22	EPA 8270/SIM	5-16-11	5-17-11	
Fenthion	**ND**	0.22	EPA 8270/SIM	5-16-11	5-17-11	
Parathion-ethyl	**ND**	0.22	EPA 8270/SIM	5-16-11	5-17-11	
Chlorpyrifos/Dursban	**ND**	0.22	EPA 8270/SIM	5-16-11	5-17-11	
Trichloronate	**ND**	0.22	EPA 8270/SIM	5-16-11	5-17-11	
Merphos&Merphos-oxone	**ND**	0.56	EPA 8270/SIM	5-16-11	5-17-11	
Stirofos/Tetrachlorvinphos	**ND**	0.22	EPA 8270/SIM	5-16-11	5-17-11	
Tokuthion/Prothiofos	**ND**	0.22	EPA 8270/SIM	5-16-11	5-17-11	
Fensulfothion	**ND**	0.56	EPA 8270/SIM	5-16-11	5-17-11	
Bolstar/Sulprofos	**ND**	0.22	EPA 8270/SIM	5-16-11	5-17-11	
EPN	**ND**	0.22	EPA 8270/SIM	5-16-11	5-17-11	
Azinphos-methyl/Guthion	**ND**	0.22	EPA 8270/SIM	5-16-11	5-17-11	
Coumaphos	**ND**	0.22	EPA 8270/SIM	5-16-11	5-17-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Tributyl phosphate	*106*	*28 - 109*				
Triphenyl phosphate	*.--*	*37 - 118*				F

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

ORGANOPHOSPHORUS PESTICIDES by EPA 8270D/SIM METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0516S1					
Dichlorvos(DDVP)	ND	0.020	EPA 8270/SIM	5-16-11	5-16-11	
Mevinphos/Phosdrin	ND	0.020	EPA 8270/SIM	5-16-11	5-16-11	
Ethoprophos	ND	0.050	EPA 8270/SIM	5-16-11	5-16-11	
Monocrotophos	ND	0.050	EPA 8270/SIM	5-16-11	5-16-11	
Naled	ND	0.050	EPA 8270/SIM	5-16-11	5-16-11	
Sulfotepp	ND	0.020	EPA 8270/SIM	5-16-11	5-16-11	
Phorate	ND	0.020	EPA 8270/SIM	5-16-11	5-16-11	
Dimethoate	ND	0.020	EPA 8270/SIM	5-16-11	5-16-11	
Demeton-S	ND	0.020	EPA 8270/SIM	5-16-11	5-16-11	
Diazinon	ND	0.020	EPA 8270/SIM	5-16-11	5-16-11	
Disulfoton	ND	0.020	EPA 8270/SIM	5-16-11	5-16-11	
Parathion-methyl	ND	0.020	EPA 8270/SIM	5-16-11	5-16-11	
Fenchlorphos/Ronnel	ND	0.020	EPA 8270/SIM	5-16-11	5-16-11	
Malathion	ND	0.020	EPA 8270/SIM	5-16-11	5-16-11	
Fenthion	ND	0.020	EPA 8270/SIM	5-16-11	5-16-11	
Parathion-ethyl	ND	0.020	EPA 8270/SIM	5-16-11	5-16-11	
Chlorpyrifos/Dursban	ND	0.020	EPA 8270/SIM	5-16-11	5-16-11	
Trichloronate	ND	0.020	EPA 8270/SIM	5-16-11	5-16-11	
Merphos&Merphos-oxone	ND	0.050	EPA 8270/SIM	5-16-11	5-16-11	
Stirofos/Tetrachlorvinphos	ND	0.020	EPA 8270/SIM	5-16-11	5-16-11	
Tokuthion/Prothiofos	ND	0.020	EPA 8270/SIM	5-16-11	5-16-11	
Fensulfothion	ND	0.050	EPA 8270/SIM	5-16-11	5-16-11	
Bolstar/Sulprofos	ND	0.020	EPA 8270/SIM	5-16-11	5-16-11	
EPN	ND	0.020	EPA 8270/SIM	5-16-11	5-16-11	
Azinphos-methyl/Guthion	ND	0.020	EPA 8270/SIM	5-16-11	5-16-11	
Coumaphos	ND	0.020	EPA 8270/SIM	5-16-11	5-16-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Tributyl phosphate	*65*	*28 - 109*				
Triphenyl phosphate	*80*	*37 - 118*				

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

ORGANOPHOSPHORUS PESTICIDES by EPA 8270D/SIM SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0516S1									
	SB	SBD	SB	SBD	SB	SBD				
Dichlorvos(DDVP)	**0.0585**	**0.0612**	0.100	0.100	59	61	45 - 110	5	30	
Mevinphos/Phosdrin	**0.0543**	**0.0590**	0.100	0.100	54	59	50 - 110	8	30	
Ethoprophos	**0.0741**	**0.0817**	0.100	0.100	74	82	50 - 110	10	30	
Sulfotepp	**0.0798**	**0.0856**	0.100	0.100	80	86	45 - 110	7	30	
Phorate	**0.0784**	**0.0849**	0.100	0.100	78	85	50 - 110	8	30	
Dimethoate	**0.0780**	**0.0863**	0.100	0.100	78	86	50 - 110	10	30	
Demeton-S	**0.0713**	**0.0813**	0.100	0.100	71	81	45 - 110	13	30	
Diazinon	**0.0739**	**0.0814**	0.100	0.100	74	81	50 - 110	10	30	
Disulfoton	**0.0790**	**0.0865**	0.100	0.100	79	87	50 - 110	9	30	
Parathion-methyl	**0.0708**	**0.0803**	0.100	0.100	71	80	60 - 120	13	30	
Fenchlorphos/Ronnel	**0.0879**	**0.0963**	0.100	0.100	88	96	50 - 110	9	30	
Malathion	**0.109**	**0.119**	0.100	0.100	109	119	50 - 120	9	30	
Fenthion	**0.0872**	**0.0949**	0.100	0.100	87	95	50 - 110	8	30	
Parathion-ethyl	**0.0679**	**0.0767**	0.100	0.100	68	77	45 - 110	12	30	
Chlorpyrifos/Dursban	**0.0850**	**0.0919**	0.100	0.100	85	92	50 - 110	8	30	
Trichloronate	**0.0872**	**0.0930**	0.100	0.100	87	93	50 - 110	6	30	
Stirofos/Tetrachlorvinphos	**0.139**	**0.153**	0.100	0.100	139	153	80 - 160	10	30	
Tokuthion/Prothiofos	**0.0790**	**0.0880**	0.100	0.100	79	88	50 - 110	11	30	
Fensulfothion	**0.0801**	**0.0965**	0.100	0.100	80	97	45 - 110	19	30	
Bolstar/Sulprofos	**0.0817**	**0.0919**	0.100	0.100	82	92	50 - 110	12	30	
EPN	**0.0700**	**0.0792**	0.100	0.100	70	79	50 - 110	12	30	
Azinphos-methyl/Guthion	**0.127**	**0.139**	0.100	0.100	127	139	70 - 140	9	30	
Coumaphos	**0.0728**	**0.0860**	0.100	0.100	73	86	60 - 120	17	30	
Surrogate:										
Tributyl phosphate					*68*	*71*	*28 - 109*			
Triphenyl phosphate					*78*	*86*	*37 - 118*			

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S2-00-051011**					
Laboratory ID:	05-092-02					
Benzene	**ND**	0.023	EPA 8021	5-13-11	5-16-11	
Toluene	**0.60**	0.12	EPA 8021	5-13-11	5-16-11	
Ethyl Benzene	**27**	2.9	EPA 8021	5-13-11	5-17-11	
m,p-Xylene	**180**	2.9	EPA 8021	5-13-11	5-17-11	
o-Xylene	**31**	2.9	EPA 8021	5-13-11	5-17-11	
Gasoline	**1900**	290	NWTPH-Gx	5-13-11	5-17-11	Z
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*92*	*68-124*				

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0513S2					
Benzene	**ND**	0.020	EPA 8021	5-13-11	5-13-11	
Toluene	**ND**	0.050	EPA 8021	5-13-11	5-13-11	
Ethyl Benzene	**ND**	0.050	EPA 8021	5-13-11	5-13-11	
m,p-Xylene	**ND**	0.050	EPA 8021	5-13-11	5-13-11	
o-Xylene	**ND**	0.050	EPA 8021	5-13-11	5-13-11	
Gasoline	**ND**	5.0	NWTPH-Gx	5-13-11	5-13-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*91*	*68-124*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	05-094-20										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*110*	*104*	*68-124*			
SPIKE BLANKS											
Laboratory ID:	SB0513S1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**1.02**	**0.986**	1.00	1.00		**102**	**99**	77-114	3	9	
Toluene	**1.07**	**1.05**	1.00	1.00		**107**	**105**	80-115	2	9	
Ethyl Benzene	**1.13**	**1.12**	1.00	1.00		**113**	**112**	80-118	1	9	
m,p-Xylene	**1.01**	**0.993**	1.00	1.00		**101**	**99**	82-118	2	9	
o-Xylene	**1.00**	**0.970**	1.00	1.00		**100**	**97**	82-116	3	9	
Surrogate:											
Fluorobenzene						*93*	*89*	*68-124*			

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

NWTPH-Dx
(with acid/silica gel clean-up)

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S1-00-051011**					
Laboratory ID:	05-092-01					
Diesel Range Organics	**ND**	12000	NWTPH-Dx	5-18-11	5-18-11	U1
Lube Oil	**37000**	1100	NWTPH-Dx	5-18-11	5-18-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*129*	*50-150*				
Client ID:	**S2-00-051011**					
Laboratory ID:	05-092-02					
Diesel Range Organics	**ND**	540	NWTPH-Dx	5-18-11	5-18-11	
Lube Oil	**3100**	1100	NWTPH-Dx	5-18-11	5-18-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*107*	*50-150*				
Client ID:	**S3-00-051011**					
Laboratory ID:	05-092-03					
Diesel Range Organics	**ND**	7800	NWTPH-Dx	5-18-11	5-18-11	U1
Lube Oil	**25000**	1100	NWTPH-Dx	5-18-11	5-18-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*123*	*50-150*				

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

NWTPH-Dx
QUALITY CONTROL
(with acid/silica gel clean-up)

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0518S1					
Diesel Range Organics	**ND**	25	NWTPH-Dx	5-18-11	5-18-11	
Lube Oil Range Organics	**ND**	50	NWTPH-Dx	5-18-11	5-18-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*122*	*50-150*				

Analyte	Result		Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE							
Laboratory ID:	05-098-03						
	ORIG	DUP					
Diesel Range Organics	**ND**	**ND**			NA	NA	
Lube Oil Range Organics	**ND**	**ND**			NA	NA	
Surrogate:							
o-Terphenyl			*116* *108*	*50-150*			

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

% MOISTURE

Date Analyzed: 5-11-11

Client ID	Lab ID	% Moisture
S1-00-051011	05-092-01	11
S2-00-051011	05-092-02	7
S3-00-051011	05-092-03	6

This report pertains to the samples analyzed in accordance with the chain of custody,
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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z - The sample chromatogram is similar to mineral spirits.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

Page 1 of 1

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • Fax: (425) 885-4603

Laboratory Number: 05-092

Company:	TPCHD
Project Number:	620837
Project Name:	GUWA
Project Manager:	S Bell
Sampled by:	S Bell

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☐ 2 Day
- ☐ 3 Day
- ☑ Standard (7 working days)
- ☑ (TPH analysis 5 working days)
- ☐ _____ (other)

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID *	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270C	PAHs by 8270C / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	VPH	EPH	8260B 8270D (SIM)				% Moisture
1	S1-00-051011	5/10/11	10:45	Soil	3	✓		⊗			✓		✓	✓	✓	✓					✓				X
2	S2-00-051011	↓	11:15	↓	2	✓	⊗	⊗			✓		✓			✓									↓
3	S3-00-051011	↓	11:30	↓	2	✓		⊗			✓		✓			✓									↓

	Signature	Company	Date	Time
Relinquished by	S Bell	TPCHD	5-11-11	8:40
Received by	Van	Speedy	5-11-11	8:40
Relinquished by	Van	Speedy	5.11.11	1155
Received by			5/11/11	1155
Relinquished by				
Received by				
Reviewed by/Date		Reviewed by/Date		

Comments/Special Instructions:

* If HCID indicates presence of DRO, quantify & NWTPH-dx
⊗ Added 5/12/11. DB (STA)

Chromatograms with final report ☐

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Report Copy Pink - Client Copy

Sharon Bell

From: Sharon Bell
Sent: Tuesday, May 10, 2011 1:18 PM
To: 'Joshua Gunia'
Subject: Drums at 2301 23rd St. E.

Hi Joshua,

The tarps have blown back on some of the drums, exposing them to the weather and rain accumulation/overflow. I covered up what I could, but a more comprehensive effort is needed. I collected soil samples from three different areas, and will forward the lab results to you when I get them back. It usually takes about two weeks to get the results.

Environmental Health Specialist
Tacoma Pierce County Health Department, MS323
3629 South D Street
Tacoma, WA 98418

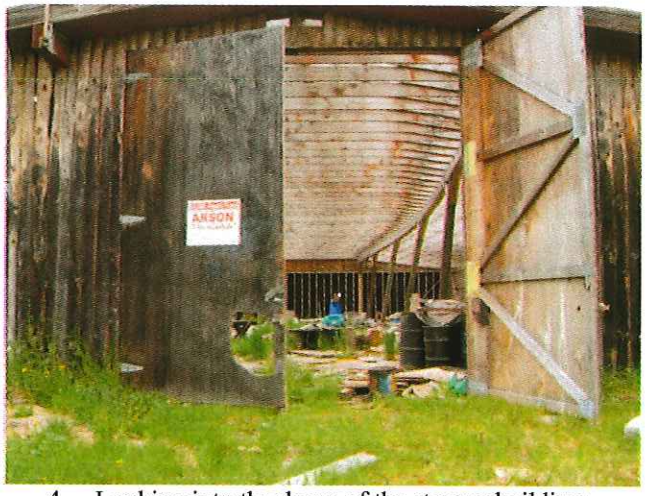
Phone: 253/798-2891
Fax: 253/798-6294

ERTS 620837, Pioneer Museum
Photos taken by S. Bell, 05.10.11

1. Burned house located near the NW corner of the site.

2. Storage building where drums are located.

3. Inside the storage building, view towards the SW corner of the former building footprint.



4. Looking into the doors of the storage building; drums are visible on the right, with a 5 gallon container visible in the entrance. Doors are located on the east side of the building.

ERTS 620837, Pioneer Museum
Photos taken by S. Bell, 05.10.11

5. 5 gallon container visible in doorway

6. Leakage is visible around bottom of container, as well as a heavily stained area to the south (left)..

7. Closeup of leaking 5 gallon container; contents appear to be grease.

8. Closeup of stained area south of drum, on the inside of the doors to the building.

ERTS 620837, Pioneer Museum
Photos taken by S. Bell, 05.10.11

9. Drums stored inside building, view to north

10. Same drums, view towards northwest corner of building.

11. Same drums, view towards northeast corner of building.

12. Same drums, view towards east/southeast; note doors to building in background.

ERTS 620837, Pioneer Museum
Photos taken by S. Bell, 05.10.11

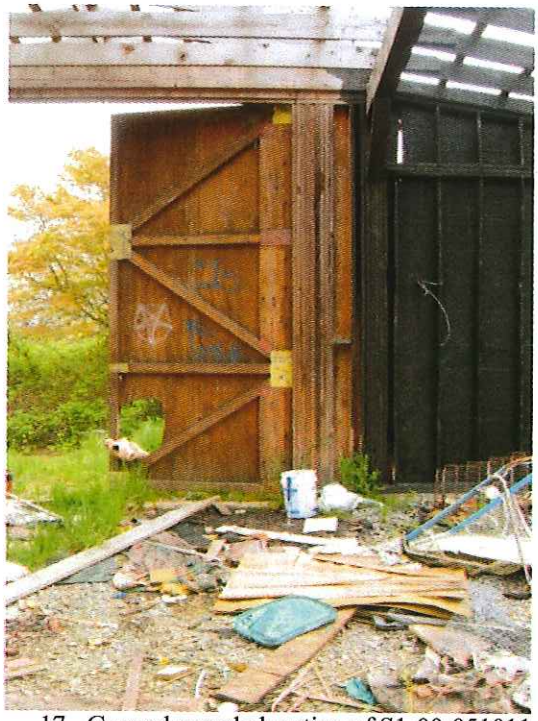
13. Same drums, view along east side of drum storage towards the south; note stained area on ground around drums.

14. Same group of drums; this photo shows a drum with the top cut off, exposed to rain, overflowing, located in the SW corner of the group of drums..

15. Sample locations are noted. View is looking towards the drums from the interior of the building, with the north wall in the background.

16. Sample S1-00-051011 collected near the east wall, and the interior edge of the south door.

ERTS 620837, Pioneer Museum
Photos taken by S. Bell, 05.10.11



17. General sample location of S1-00-051011 indicated by the 5 gallon bucket.

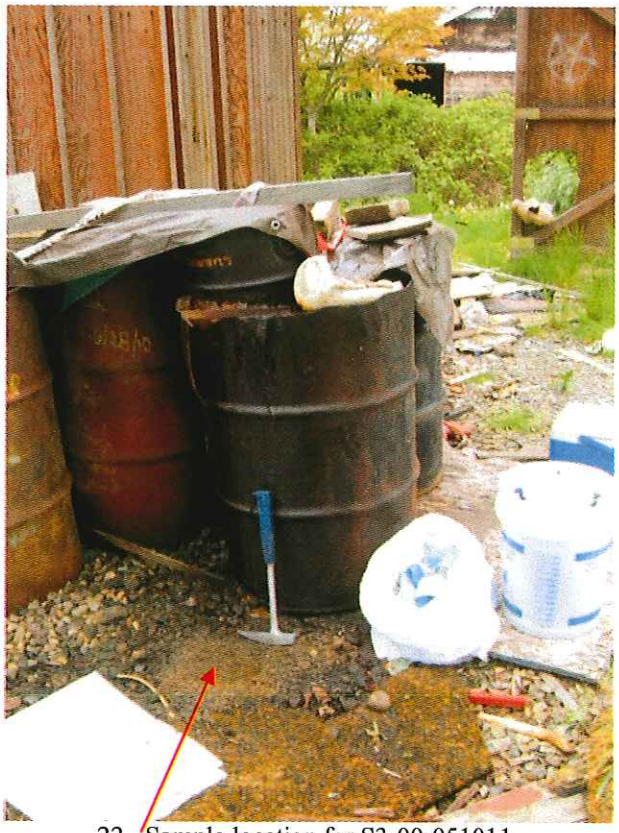
18. Sample location of S2-00-051011, in the stained area adjacent to a leaking drum in the SE corner of the drum group. Note the material hardened on the side of the drum and emanating from a hole now plugged.

19. Photo depicts surface soil held together by sticky material at this location.

20. General sample location for S2-00-051011.

ERTS 620837, Pioneer Museum
Photos taken by S. Bell, 05.10.11

21. General sample location for sample S3-00-051011.



22. Sample location for S3-00-051011.

Sharon Bell

From: Sharon Bell
Sent: Monday, May 09, 2011 9:50 AM
To: 'A Advanced Septic'
Subject: Site visit, 2301 23rd St SE

Hi Joshua,

Just wanted to let you know that I am planning my sampling time at your family's property tomorrow morning, and should be at the site at 10 am, for 20 to 30 minutes.

Environmental Health Specialist
Tacoma Pierce County Health Department, MS323
3629 South D Street
Tacoma, WA 98418

Phone: 253/798-2891
Fax: 253/798-6294

Sharon Bell

From: Sharon Bell
Sent: Monday, April 11, 2011 11:18 AM
To: 'Joshua Gunia'
Subject: RE: Re-inspection, Pioneer Museum

Joshua,

I would like to go out to the site either today or tomorrow, before the heavy rains start up again. You do not need to be present, but I do need your permission to access the property. Please let me know if re-inspecting is okay without you. My schedule is starting to fill in for this week and next, so ,let me know soon about setting up an appointment to meet with your family.

From: Joshua Gunia [mailto:joshua@guniagroup.com]
Sent: Thursday, April 07, 2011 7:56 AM
To: Sharon Bell
Subject: RE: Re-inspection, Pioneer Museum

Good morning Sharon, thank you for the reminder I will call my granny and see what day works best thank you again.

From: SBell@tpchd.org
To: joshua@guniagroup.com
Subject: Re-inspection, Pioneer Museum
Date: Tue, 5 Apr 2011 17:48:26 +0000

Hi Joshua,

I never received a day/time for an appointment to meet with your family and reinspect the Pioneer Museum property. This week is filled in already, please choose a time between 10 am and 3 pm, any day between April 11 and 22nd.

Environmental Health Specialist
Tacoma Pierce County Health Department, MS323
3629 South D Street
Tacoma, WA 98418

Phone: 253/798-2891
Fax: 253/798-6294

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Sharon Bell

From: Joshua Gunia [joshua@guniagroup.com]
Sent: Thursday, April 07, 2011 7:56 AM
To: Sharon Bell
Subject: RE: Re-inspection, Pioneer Museum

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Subject: Re-inspection, Pioneer Museum
Date: Tue, 5 Apr 2011 17:48:26 +0000

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2010

Sharon Bell

From: Sharon Bell
Sent: Tuesday, November 09, 2010 2:54 PM
To: 'A Advanced Septic'
Subject: RE: Site contamiantion at 2301 23rd Street SE., Puyallup

I have not heard back from you yet about scheduling an inspection time during normal work hours. Do you have availability next week on Monday, Tuesday, or Wednesday?

Sharon Bell

From: A Advanced Septic [mailto:guniagroup@comcast.net]
Sent: Thursday, November 04, 2010 8:59 AM
To: Sharon Bell
Subject: Re: Site contamiantion at 2301 23rd Street SE., Puyallup

Good morning Sharon, I would love to schedule a time to meet and figure out what the solution is and how to move further ahead. Some of these thing are over our families head and never have been issues till the arson came along. my grandmother had lived on the property most of her life and has very little experience with any of this , so as a family were trying to help her through this with limited financial help. As for my schedule this is our busy season and is very difficult to get off during the week at day light ours the time change may help that this weekend. Do you work on Saturdays ? if so that may be a option if not I may be able to see if i can schedule the time off let me know what works best. Thanks again.

Joshua Gunia,
A Advanced Septic Services, Inc.
253-435-9999 Office
253-579-6769Cell
joshua@guniagroup.com

aadvancedservices.com

"The Guys To Know When You Gotta Go!"

----- Original Message -----
From: "Sharon Bell" <SBell@tpchd.org>
To: "guniagroup@comcast.net" <guniagroup@comcast.net>
Sent: Tuesday, November 2, 2010 4:57:15 PM
Subject: Site contamiantion at 2301 23rd Street SE., Puyallup

As I indicated in our telephone conversation, I function as a field agent on behalf of the Washington State Department of Ecology. I received a referral from Ecology to follow up on the warehouse fire, drums, and possible contamination at the subject property in Puyallup. My contact information is below. Please call to schedule a site inspection. Delineation of site contamination and subsequent cleanup will likely be required, but I would like to take a look at the site conditions first.

Sharon Bell
Environmental Health Specialist
Tacoma Pierce County Health Department, MS323

3629 South D Street
Tacoma, WA 98418

Phone: 253/798-2891
Fax: 253/798-6294

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****

Sharon Bell

From: Sharon Bell
Sent: Thursday, November 04, 2010 10:27 AM
To: 'A Advanced Septic'
Subject: RE: Site contamiantion at 2301 23rd Street SE., Puyallup

I do not work outside of normal business hours. I schedule appointments between 9:30 and 3 pm to allow for transit time back and forth to sites. My calendar is currently open anytime Monday through Wednesday of next week, and the same days for the following week.

I do not necessarily need anyone to be there while I inspect the property, so long as I have permission to enter. If it is not convenient for you, or another family member, to meet me at the site , I can convey the necessary information over the phone after inspecting the property.

From: A Advanced Septic [mailto:guniagroup@comcast.net]
Sent: Thursday, November 04, 2010 8:59 AM
To: Sharon Bell
Subject: Re: Site contamiantion at 2301 23rd Street SE., Puyallup

Good morning Sharon, I would love to schedule a time to meet and figure out what the solution is and how to move further ahead. Some of these thing are over our families head and never have been issues till the arson came along. my grandmother had lived on the property most of her life and has very little experience with any of this , so as a family were trying to help her through this with limited financial help. As for my schedule this is our busy season and is very difficult to get off during the week at day light ours the time change may help that this weekend. Do you work on Saturdays ? if so that may be a option if not I may be able to see if i can schedule the time off let me know what works best. Thanks again.

Joshua Gunia,
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----- Original Message -----
From: "Sharon Bell" <SBell@tpchd.org>
To: "guniagroup@comcast.net" <guniagroup@comcast.net>
Sent: Tuesday, November 2, 2010 4:57:15 PM
Subject: Site contamiantion at 2301 23rd Street SE., Puyallup

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Sharon Bell

Environmental Health Specialist
Tacoma Pierce County Health Department, MS323
3629 South D Street
Tacoma, WA 98418

Phone: 253/798-2891
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****

Sharon Bell

From: Sharon Bell
Sent: Tuesday, November 02, 2010 4:57 PM
To: 'guniagroup@comcast.net'
Subject: Site contamiantion at 2301 23rd Street SE., Puyallup

As I indicated in our telephone conversation, I function as a field agent on behalf of the Washington State Department of Ecology. I received a referral from Ecology to follow up on the warehouse fire, drums, and possible contamination at the subject property in Puyallup. My contact information is below. Please call to schedule a site inspection. Delineation of site contamination and subsequent cleanup will likely be required, but I would like to take a look at the site conditions first.

Sharon Bell
Environmental Health Specialist
Tacoma Pierce County Health Department, MS323
3629 South D Street
Tacoma, WA 98418

Phone: 253/798-2891
Fax: 253/798-6294

620837

Holcomb, Ron (ECY)

From: A Advanced Septic [guniagroup@comcast.net]
Sent: Friday, August 20, 2010 3:34 PM
To: Holcomb, Ron (ECY)
Subject: Re: Drums at 2301 - 23rd Street SE, Puyallup

Hi Ron . Thank you for the email and also for working with us on this. my mailing address is 15714 44th ave ct e Tacoma WA 98446. Have a great weekend.

Joshua Gunia, Vice President
A Advanced Septic Services, Inc.
253-435-9999 Office
253-579-6769Cell
joshua@guniagroup.com

aadvancedservices.com

"The Guys To Know When You Gotta Go!"

----- Original Message -----
From: "Ron Holcomb (ECY)" <rhol461@ECY.WA.GOV>
To: guniagroup@comcast.net
Sent: Friday, August 20, 2010 2:57:51 PM
Subject: Drums at 2301 - 23rd Street SE, Puyallup

Josh <<IMG_1154.jpg>> ua <<IMG_1156.jpg>> ,
<<IMG_1157.jpg>>
A <<IMG_1162.jpg>> tt <<IMG_1166.jpg>> ached are the photos and two letters that I sent to your grandmother.

Also, following is a link to Ecology's list of environmental cleanup contractors (although you can choose any qualified contractor you want even if they are not on Ecology's list):

http://www.ecy.wa.gov/programs/spills/response/Hazmat_Spill_Contractor_List.pdf

Please respond back to let me know that you received this information and also provide a mailing address where I can send correspondence to you.

Please feel free to contact me by phone or email if you have any questions.

Thank you and good luck with your efforts to sell the property.

Ron Holcomb

620837

Holcomb, Ron (ECY)

From: Holcomb, Ron (ECY)
Sent: Friday, August 20, 2010 2:58 PM
To: 'guniagroup@comcast.net'
Subject: Drums at 2301 - 23rd Street SE, Puyallup
Attachments: IMG_1168.jpg; 7-7-2010 SCANNED ltr Greeley 7-27-2010 containers 620837.pdf; Tanner Letter 7-13-10 .pdf; IMG_1154.jpg; IMG_1156.jpg; IMG_1157.jpg; IMG_1162.jpg; IMG_1166.jpg

Joshua,
Attached are the photos and two letters that I sent to your grandmother.

Also, following is a link to Ecology's list of environmental cleanup contractors (although you can choose any qualified contractor you want even if they are not on Ecology's list):

http://www.ecy.wa.gov/programs/spills/response/Hazmat Spill Contractor_List.pdf

Please respond back to let me know that you received this information and also provide a mailing address where I can send correspondence to you.

Please feel free to contact me by phone or email if you have any questions.

Thank you and good luck with your efforts to sell the property.

Ron Holcomb
Hazardous Materials Specialist
Department of Ecology
Southwest Region
(360) 407-6373
Ron.Holcomb@ecy.wa.gov

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
PO Box 47775 • Olympia, Washington 98504-7775 • (360) 407-6300

July 13, 2010

Ms. Sharon Tanner
25518 – 133rd Ave. NE
Arlington, WA 98225

Response requested within 14 calendar days after receipt of this correspondence.

Re: Drums and other containers on parcel #0420353027—
2301 23rd Street SE, Puyallup, Pierce County; Ecology ERTS No. 620837

Dear Ms. Tanner:

This letter is to follow up on our telephone conversation on July 9, 2010, regarding the drums and containers on your Puyallup property (parcel number and site address listed above).

Enclosed are some photos of the site following the fire and the efforts Ecology made to document the site and secure the drums and containers to prevent additional soil contamination. I have also enclosed a list of environmental cleanup contractors that you can contact to get a cost estimate to properly dispose of the waste material and contaminated soil. Although Ecology cannot recommend a specific contractor, I have highlighted in yellow four companies that are locally based and capable of doing the work. Please know that you are free to contact any company, even those not on this list, regarding the cleanup.

Also, please feel free to have your grandson contact me if he has any questions about the situation as he works with the realtor listing your property. Finally, I would like to know **within 14 days** how you are going to proceed regarding this situation.

Thank you for your attention to what I know is a difficult situation for you. Please call me if you have any questions about the cleanup process, the enclosed environmental contractor list or this letter. I can be reached at (360) 407-6373.

Sincerely,

Ron Holcomb
Hazardous Materials Specialist
Southwest Regional Office (SWRO) Spill Response Unit
Spill Prevention, Preparedness & Response Program

rh/lp

Enclosures: Photographs
HazMat Spills Contractor List

Sent by Certified Mail 7009 1410 0002 4420 4066

cc: Jim Sachet, Ecology, SWRO Spill Response
SWRO Central Files, ERTS 620837, Pierce County

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Postage	$ 1.05
Certified Fee	2.80
Return Receipt Fee (Endorsement Required)	2.30
Restricted Delivery Fee (Endorsement Required)	
	6.15

Postmark Here
OLYMPIA, WA 98501
JUL 13 2010
USPS

SHARON TANNER
25518 133RD AVE NE
ARLINGTON WA 98225

7009 1410 0002 4420 4066

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece,

SHARON TANNER
25518 133RD AVE NE
ARLINGTON WA 98225

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Sharon Tanner ☐ Agent ☒ Addressee

B. Received by (Printed Name) Sharon Tanner
C. Date of Delivery 7-14-10

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☒ No

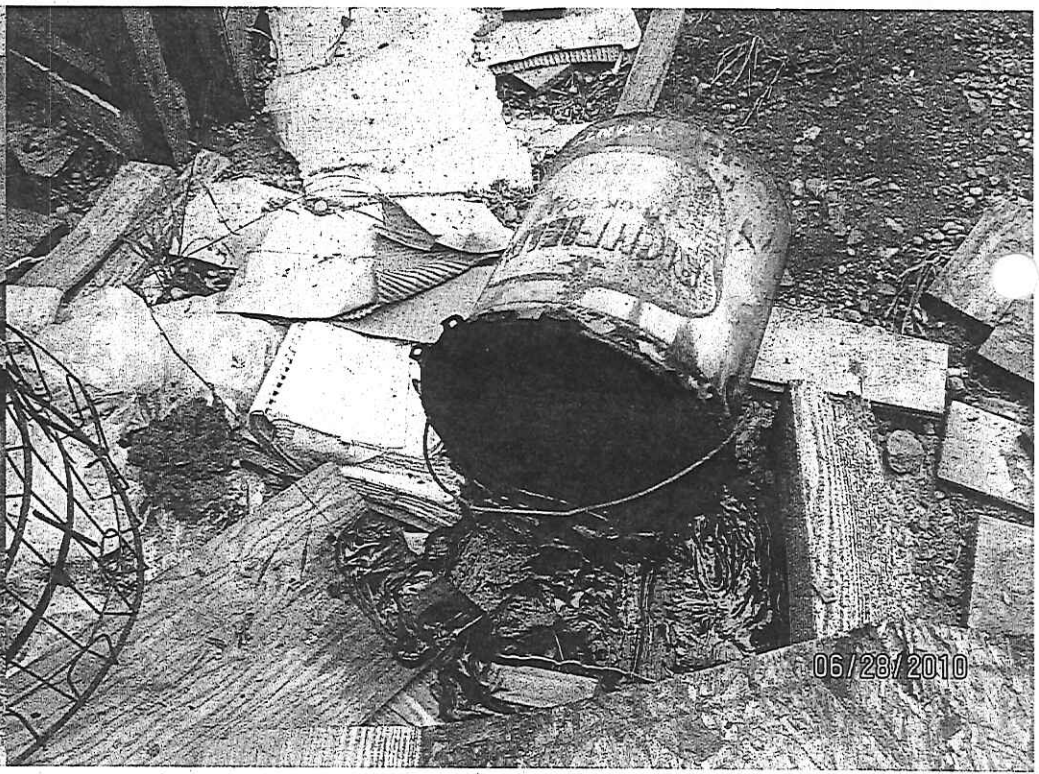
RECEIVED
JUL 15 2010
WA State Department of Ecology (SWRO)

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

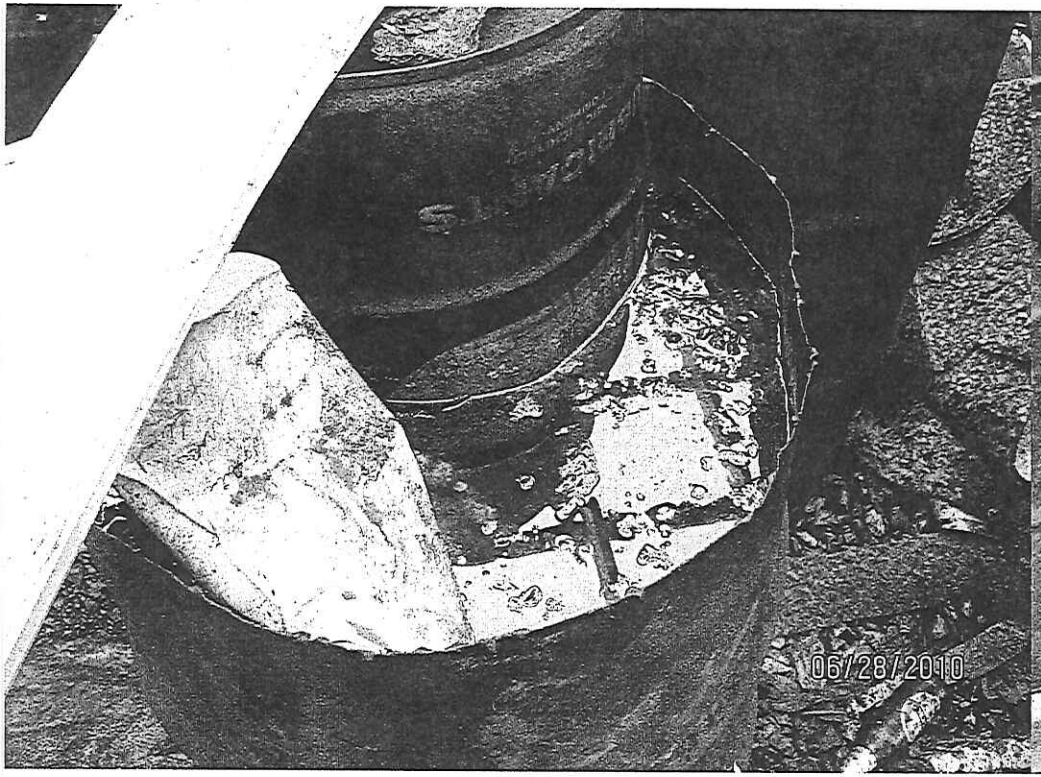
4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7009 1410 0002 4420 4066

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540



Dept of Codes Photos



Dept of Biology Photos

HAZMAT SPILLS CONTRACTOR LIST

Ecology does not verify or endorse any of the contractors or information on this list . Information on this list is subject to change.

COMPANY LOCATION	COMPANY NAME	SPILL NUMBER	OIL SPILL		Haz Mat	Organic**	Reactives Cylinders	Vac Truck	Vessel/ Water	STATE COVERAGE	
			Small*	Large						Eastern	Western
Aberdeen	Apex Environmental	(360) 532-3590	X	X				X			X
Aberdeen	Evergreen Environmental Inc.	(360) 533-6141	X	X							X
Battleground/Waitsburg	3 Kings Environmental	(360) 666-5464	X	X	X		X		X	X	X
Bellingham	Matrix Service	(360) 676-4905	X	Xw							X
Bellingham	Western Refinery Service	(360) 366-3303						X			X
Camas	West Coast Marine Cleaning	(360) 696-3362	X	X		X		X		X	X
Astoria/Corvallis, OR	NWFF Environmental	(800) 942-4614	Xw	Xw	X	X	X	X	X	X	X
Everett/Orting	Aspen Environmental, Ltd	(800) 716-3377	X	X	X			X		X	X
Graham, WA	Drakkar Industries	(253) 302-0014	X	X	X	X					X
Kent	Rivers Edge Services	(206) 941-1645	X	X	X			X			X
Longview/Portland/Seattle	Accord	(877) 251-8557	X	X	X	X	X	X			X
Longview	All Out Industrial & Env. Serv.	(360) 414-8655	X	Xw	X			X			X
Longview/Astoria/Portland/Aberdeen	Cowlitz Clean Sweep	(888) 423-6316	X	Xw	X	X		X	X	X	X
Lynnwood	Environmental Quality Mngmt	(425) 673-2900	X		X	X					X
Olympia	Focus Environmental Mgt Group	(815) 621-2398					X			X	X
Portland/Eugene/Vancouver	First Strike Environmental	(800) 447-3558	X	X	X	X		X	X	X	X
Portland/Kennewick	Oil Re-Refining Company	(800) 367-8894	X					X		X	X
Portland/Kennewick/Spokane	Harbor Oil	(503) 285-4648	X							X	X
Puyallup/Olympia	Best Cleaning	(888) 851-BEST	X	X	X			X			X
Puyallup	Pro-Vac	(253) 435-4328	X	X				X		X	X
Renton	Aqua Clean Jet-N-Vac, Inc.	(800) 842-5326	X	X		X		X		X	X
Tacoma	Northwest Cascade	(253) 848-2371				X		X	X		X
Tacoma	Certified Cleaning Service	(253) 536-5500	X	Xw	X			X		X	X
Tacoma	Guardian Industrial Services	(253) 536-0455	X	w				X		X	X
Tacoma	Emerald Services	(253) 627-4822		X	X					X	X
Tacoma	PRS Group, Inc.	(253) 383-4175	X		X			X			X
Seattle	Baker Tanks	(425) 487-6503		X	X					X	X
Seattle	Ballard Diving & Salvage	(206) 782-6750		X					X		X
Seattle/Tacoma/Vancouver	Emerald Services Inc.	(206) 832-3000	X	X	X			X		X	X
Seattle	Clean Harbors	(800) 645-8265	X	X	X	X	X	X	X	X	X
Seattle/Tacoma/Spokane/Astoria	NRC Environmental Services, Inc	(800) 337-7455	X	Xw	X		X	X	X	X	X
Seattle	Global Environmental	(206) 623-0621	X	Xw					X	X	X
Seattle	Marine Vacuum Service	(206) 762-0240	X	X				X		X	X
Seattle	ONYX Enviro. Services	(206) 241-3900			X		X			X	X
Seattle/Spokane	Pacific Industrial Resources	(206) 767-3957	X	X	X		X	X		X	X
Seattle/Tacoma/Washougal	Philip Services Corporation	(800) 547-2436		X	X			X		X	X
Seattle/Portland	Belfor Environmental	(800) 930-0011	X	X	X	X				X	X
Snohomish	Whiteside Inc	(360) 668-8282	X	X				X			X
Spokane	Able Clean-up Technoloiges	(509) 466-5255	Xw	Xw	X	X	X		X	X	
Spokane	Big Sky Industrial	(509) 624-4949	X	X				X		X	
Vancouver/Pasco	Tidewater Environmental	(360) 695-8088		X	X					X	X
Woodinville	CADRE	(425) 883-8007					X			X	X

w = PRC: WAC 173-181 Approved Primary Response Contractor (oil) for facilities.

** Organic=sewage, blood, animal waste, etc.

Revised March 2010

* Small=roadside, home tank, saddle tank, storm drains, 1 drum, etc.

Home Heating Oil Tanks - state of Washington - Pollution Liability Insurance Agency 1-800-822-3905 - Insurance Verification (M-F, 8-5)

The Following is a List of Regional Treatment Centers for Petroleum Contaminated Soil:

CRO	Roosevelt	Roosevelt Regional Landfill	1-800-275-5641	Disposal Only
ERO	Spokane	Remtech, Inc.	(509) 624-0210	Thermal Desorption
NWRO	Everett	Rinker Materials	(425) 355-2111	Soil Remediation
NWRO	Seattle	Leforge Cement	(206) 937-8025	Cement Incorporation
SWRO	Tacoma	Petroleum Reclaiming Services	(253)383-4175	Stabilization/Disposal
SWRO	Port Angeles	Fields Shotwell Corp.	(360) 457-1417	Thermal Treatment/Recycling
SWRO	Fife	Fife Sand & Gravel	(253) 922-7710	Bio-Remediation

SWRO
Hillsboro, OR
Hillsboro Landfill
(503) 640-9427
Disposal

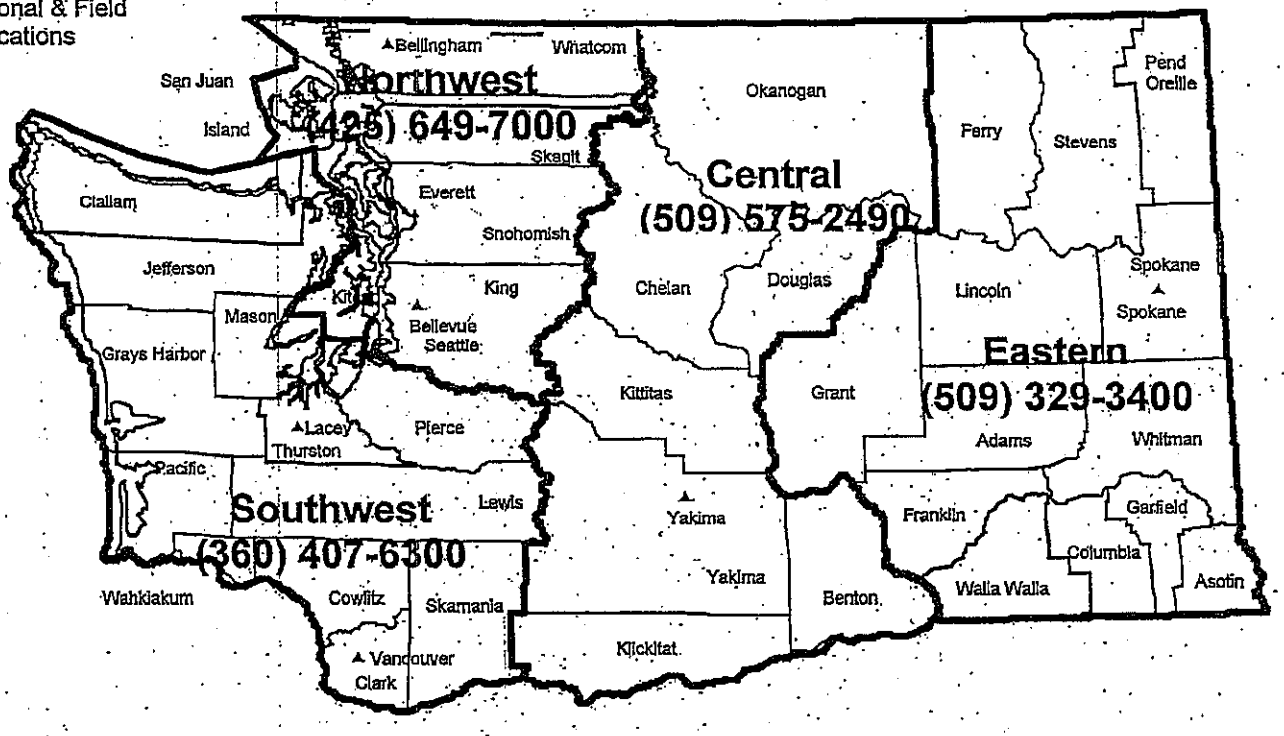
KEY: CRO: Central Region ERO: Eastern Region NWRO: Northwest Region SWRO: Southwest Region

Washington State Department of Ecology Regional Office 24-Hour Oil Spill/Release Reporting Numbers

WHAT WE NEED TO KNOW

- Reporting Party
- Contact Phone(s)
- Responsible Party
- Material Released
- Resource Damages (e.g. dead fish)
- Quantity
- Concentration
- Location
- Cleanup Status

▲ = Regional & Field Office Locations



Or call the **Department of Emergency Management 24-hour Number: 1-800-258-5990**
For EPA and US Coast Guard reporting, call the National Response Center: 1-800-424-8802
Idaho: Communications Center (208) 327-7442 ***Oregon***: Emergency Management (503) 378-6377
BC: Provincial Emergency Program (800) 663-3456 ***EPA Region X, Seattle***: (206) 553-1263

620837

THE NEWS TRIBUNE

NEWS UPDATES

< Back to Regular Story Page

Puyallup: Two arsons being investigated at former Pioneer Museum

JOYCE CHEN, STAFF WRITER
Last updated: July 9th, 2010 09:09 AM (PDT)

Puyallup police and Central Pierce Fire and Rescue are investigating two recent arsons at the former Pioneer Museum.

The first fire occurred June 27 at 4 a.m. on the 2100 block of 19th Avenue SE, and the second took place Sunday a little before 2 a.m. in the same area. Both fires burned abandoned buildings formerly used for the Museum.

Investigators and firefighters are going door-to-door, dropping off flyers and talking with residents in hopes of getting information leading to an arrest. Puyallup police have increased patrols of the area and are encouraging residents to immediately report any suspicious or illegal activity by calling 911.

If you have any information on these fires, call Central Pierce Fire & Rescue at 253-538-6402 or Puyallup police 24-hour tip line at 253-770-3343.

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620837

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
PO Box 47775 • Olympia, Washington 98504-7775 • (360) 407-6300

July 7, 2010

Ms. Grace Ardell Greeley
25518 – 133rd Ave. NE
Arlington, WA 98225

Please respond within seven calendar days.

Re: Drums and other containers on parcel #0420353027—
2301 23rd Street SE, Puyallup, Pierce County, Washington
Ecology Environmental Report Tracking System (ERTS) No. 620837

Dear Ms. Greeley:

On June 28, 2010, the Washington State Department of Ecology (Ecology) conducted a site inspection at the request of Central Pierce Fire & Rescue following a fire on June 27. The location was the former Western Washington Pioneer Museum (parcel number and Puyallup site address listed above).

On-site containers: The inspection identified a total of 27 various containers with oil products and unknown liquids in the building where the fire occurred. The containers included:

18	55-gallon drums
1	30-gallon drum
1	15-gallon drum
3	5-gallon containers
4	containers less than 1 gallon in size

A number of the containers were not sealed and/or were badly corroded. Some spillage of petroleum product was evident on the gravel floor of the building. Although Ecology temporarily secured the drums by covering them with tarps and surrounding them with caution tape, the material poses a threat to the environment and public health.

Property owner's responsibility: According to the Pierce County Assessor's Office records, you are listed as the property owner. Since the site inspection, I have been unable to locate a telephone number for you in order to discuss the situation as documented by Ecology.

As the property owner, it is your responsibility to identify and properly dispose of the waste material in the containers and to remove any contaminated soil that exceeds state

cleanup standards. Failure to properly address this situation could lead to the property being listed on the state's contaminated site list.

Please respond within seven calendar days after you receive this letter to discuss the situation and what needs to be done to prevent further contamination of the environment. I can be reached at (360) 407-6373. Thank you for your help.

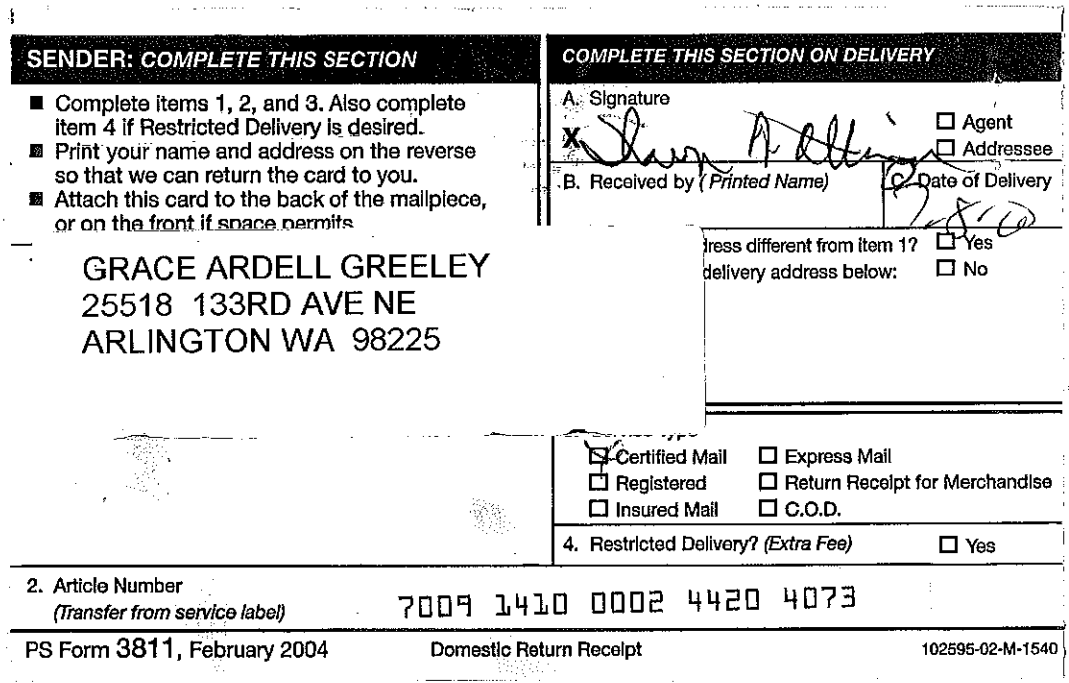
Sincerely,

Ron Holcomb
Hazardous Materials Specialist
Southwest Regional Office (SWRO) Spill Response Unit
Spill Prevention, Preparedness & Response Program

rh/lp

Sent by Certified Mail No. 7009 1410 0002 4420 4073

cc: Cris Matthews, Ecology, SWRO Toxics Cleanup Program
Jim Sachet, Ecology, SWRO Spill Response
SWRO Central Files, ERTS 620837, Pierce County



SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

GRACE ARDELL GREELEY
25518 133RD AVE NE
ARLINGTON WA 98225

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X
☐ Agent
☐ Addressee

B. Received by (Printed Name)
C. Date of Delivery

ress different from item 1? ☐ Yes
delivery address below: ☐ No

☑ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7009 1410 0002 4420 4073

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

620857

UNITED STATES POSTAL SERVICE®

Track & Confirm

Search Results

Label/Receipt Number: **7009 1410 0002 4420 4073**
Service(s): **Certified Mail™**
Status: **Delivered**

Your item was delivered at 1:06 pm on July 08, 2010 in ARLINGTON, WA 98223.

Track & Confirm

Enter Label/Receipt Number.

Go >

Notification Options

Track & Confirm by email

Get current event information or updates for your item sent to you or others by email. Go >

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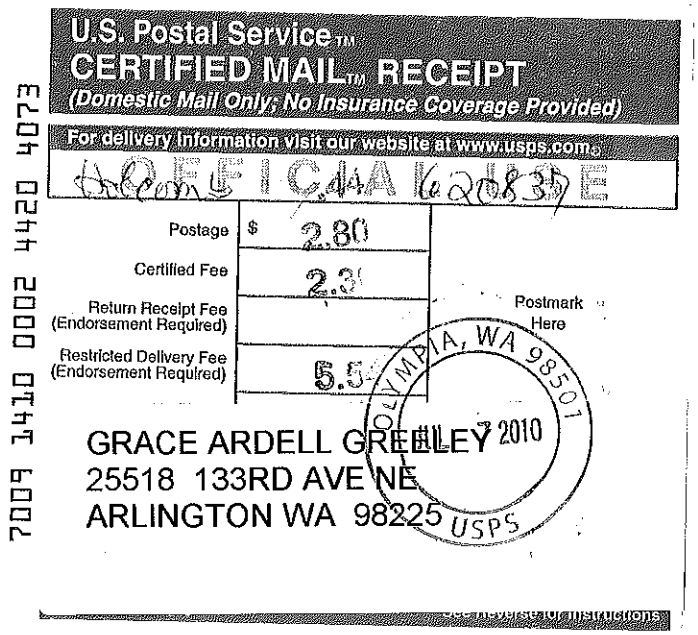

Pierce County Assessor-Treasurer ePIP

620837

Parcel Summary for 0420353027

07/01/2010 07:54 AM

Property Details		Taxpayer Details	
Parcel Number:	0420353027 Plat	**Taxpayer Name:**	GREELEY GRACE ARDELL
Site Address:	2301 23RD ST SE	**Mailing Address:**	25518 133RD AVE NE ARLINGTON WA 98223-6829
Account Type:	Real Property A		
Category:	Land and Improvements		
Use Code:	8300-CU FARM & AGRI RCW 84.34 CURRENT USE		

Appraisal Details		Tax/Assessment	
Value Area:	PI5	**Current Tax Year:**	2011
Appr Acct Type:	Residential	**Taxable Value:**	89,590
Business Name:		**Assessed Value:**	405,000
Last Inspection:	03/02/2006 - Physical Inspection		

Related Parcels

Group Account Number:	36250
Mobile/MFG Home and Personal Property parcel(s) located on this parcel:	n/a
Real parcel on which this parcel is located:	n/a

Tax Description

Section 35 Township 20 Range 04 Quarter 34 : PARCEL "D" OF DBLR 95-05-17-0491 DESC AS FOLL COM AT SW COR OF SW TH E ALG S LI SD SW 1974.60 FT TH N 01 DEG 06 MIN 54 SEC W 615.92 FT TO POB TH N 87 DEG 01 MIN 41 SEC W 292.30 FT TH N 61 DEG 33 MIN 32 SEC W 44.88 FT TH N 15 DEG 12 MIN 37 SEC W 219.64 FT TH N 88 DEG 57 MIN 28 SEC W 243.13 FT TH N 00 DEG 48 MIN 44 SEC W 226.43 FT TH N 27 DEG 29 MIN 55 SEC W 143.38 FT TH S 88 DEG 56 MIN 26 SEC E 145.92 FT TH N 28 DEG 41 MIN 48 SEC E 80.82 FT TH N 51 DEG 21 MIN 11 SEC W 132.18 FT TO N LI OF S 1/2 OF SW TH S 89 DEG 22 MIN 06 SEC E ALG SD LI 605.46 FT TH S 01 DEG 06 MIN 54 SEC E 750.69 FT TO POB CURRENT USE RCW 84.34 1973 AGRI AFN 2457397 8.99 ACS SEG F 7515 DC5/29/96JU

I acknowledge and agree to the prohibitions listed in RCW 42.56.070(9) against releasing and/or using lists of individuals for commercial purposes. Neither Pierce County nor the Assessor-Treasurer warrants the accuracy, reliability or timeliness of any information in this system, and shall not be held liable for losses caused by using this information. Portions of this information may not be current or accurate. Any person or entity who relies on any information obtained from this system does so at their own risk. ***All critical information should be independently verified.***

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Pierce County Assessor-Treasurer
Dale Washam
2401 South 35th St Room 142
Tacoma, Washington 98409
(253)798-6111 or Fax (253)798-3142
www.piercecountywa.org/atr

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Pierce County Assessor-Treasurer ePIP

Taxes / Values for 0420353027

07/01/2010 08:01 AM

Property Details

Parcel Number: 0420353027
Site Address: 2301 23RD ST SE
Account Type: Real Property
Category: Land and Improvements
Use Code: 8300-CU FARM & AGRI RCW 84.34 CURRENT USE

Taxpayer Details

Taxpayer Name: GREELEY GRACE ARDELL
Mailing Address: 25518 133RD AVE NE
ARLINGTON WA 98223-6829

Assessed Values

Tax Year	Taxable Value	Assessed Total	Assessed Land	Assessed Improvements	Current Use Land	Personal Property	Notice of Value Mailing Date
2011	89,590	405,000	335,300	69,700	19,890	0	06/21/2010
2010	91,690	463,000	391,200	71,800	19,890	0	07/17/2009
2009	115,980	541,900	465,700	76,200	39,780	0	09/19/2008
2008	119,980	545,900	465,700	80,200	39,780	0	09/28/2007
2007	122,180	481,100	398,700	82,400	39,780	0	09/29/2006
2006	120,080	303,800	223,500	80,300	39,780	0	10/07/2005
2005	117,280	256,300	178,800	77,500	39,780	0	11/02/2004

Current Charges Recalculate

Property tax interest and/or penalty charges are calculated **on the 1st** of each month. Your payment must be paid or postmarked **prior to the 1st** to avoid accrual of those additional charges. If the last day of the month falls on a holiday or weekend, you will have the following business day to pay or postmark without additional interest and/or penalty. If necessary, you can **recalculate** charges for a future date.

Pay with credit card or E-check Payment Mailing Address

Balance Due: 4,790.35 **Minimum Due: 4,055.97** **as of 07/01/2010**

Tax Year	Charge Type	Amount Charged	Minimum Due	Balance Due	Due Date
2010	Property Tax Principal	1,032.02	516.01	1,032.02	04/30/10
	Property Tax Interest	30.96	30.96	30.96	07/01/10
	Property Tax Penalty	30.96	30.96	30.96	07/01/10
	Weed Control Principal	2.11	1.05	2.11	04/30/10
	Weed Control Interest	0.06	0.06	0.06	07/01/10
	Fire Benefit Charge Principal	429.62	214.81	429.62	04/30/10
	Fire Benefit Charge Interest	12.89	12.89	12.89	07/01/10
	Fire Benefit Charge Penalty	12.89	12.89	12.89	07/01/10
	Pierce Conservation District Principal	5.00	2.50	5.00	04/30/10
	Pierce Conservation District Interest	0.15	0.15	0.15	07/01/10
	Pierce Conservation District Penalty	0.15	0.15	0.15	07/01/10
	Total 2010	**1,556.81**	**822.43**	**1,556.81**	
2009	Property Tax Principal	1,179.97	1,179.97	1,179.97	04/30/09
	Property Tax Interest	176.99	176.99	176.99	07/01/10
	Property Tax Penalty	129.80	129.80	129.80	07/01/10
	Weed Control Principal	2.11	2.11	2.11	04/30/09
	Weed Control Interest	0.32	0.32	0.32	07/01/10
	Pierce Conservation District Principal	5.00	5.00	5.00	04/30/09
	Pierce Conservation District Interest	0.75	0.75	0.75	07/01/10
	Pierce Conservation District Penalty	0.55	0.55	0.55	07/01/10
	Total 2009	**1,495.49**	**1,495.49**	**1,495.49**	
2008	Property Tax Principal	1,254.46	1,254.46	1,254.46	04/30/08

Exemptions

No exemptions

Tax Code Areas

Tax Year	TCA	Rate
2011	096	0.000000
2010	096	11.255588
2009	090	10.173927
2008	090	10.455517
2007	090	11.277173
2006	090	13.019260
2005	090	14.417815

Receipts

Date	Number	Amount Applied
01/02/2009	4513433	4,083.80
10/24/2005	2655864	3,807.94
05/23/2005	2502836	2,023.12
11/01/2004	2137016	2,220.80
03/31/2004	1690424	2,670.93

ULID Information

Click here for ULID information

Property Tax Interest	338.70	338.70	338.70	07/01/10
Property Tax Penalty	137.99	137.99	137.99	07/01/10
Pierce Conservation District Principal	5.00	5.00	5.00	04/30/08
Pierce Conservation District Interest	1.35	1.35	1.35	07/01/10
Pierce Conservation District Penalty	0.55	0.55	0.55	07/01/10
Total 2008	**1,738.05**	**1,738.05**	**1,738.05**	

Paid Charges

For questions regarding any electronic payments you may have made, please contact **Official Payments Corporation** at **1-800-487-4567**

Tax Year	Charge Type	Amount Paid
2007	Property Tax Principal	1,377.85
	Property Tax Interest	289.35
	Property Tax Penalty	151.56
	Pierce Conservation District Principal	5.00
	Pierce Conservation District Interest	1.05
	Pierce Conservation District Penalty	0.55
	Total 2007	**1,825.36**
2006	Property Tax Principal	1,563.35
	Property Tax Interest	515.92
	Property Tax Penalty	171.97
	Pierce Conservation District Principal	5.00
	Pierce Conservation District Interest	1.65
	Pierce Conservation District Penalty	0.55
	Total 2006	**2,258.44**
2005	Property Tax Principal	1,690.91
	Property Tax Interest	101.45
	Property Tax Penalty	50.73
	Pierce Conservation District Principal	5.00
	Pierce Conservation District Interest	0.30
	Pierce Conservation District Penalty	0.15
	Total 2005	**1,848.54**

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Tacoma, Washington 98409
(253)798-6111 or Fax (253)798-3142
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Pierce County Assessor-Treasurer ePIP

Land Characteristics for 0420353027

07/01/2010 08:02 AM

Property Details		Taxpayer Details	
Parcel Number:	0420353027	**Taxpayer Name:**	GREELEY GRACE ARDELL
Site Address:	2301 23RD ST SE	**Mailing Address:**	25518 133RD AVE NE ARLINGTON WA 98223-6829
Account Type:	Real Property		
Category:	Land and Improvements		
Use Code:	8300-CU FARM & AGRI RCW 84.34 CURRENT USE		

Location:		Size	
LEA:	090901	**SF:**	391,604
RTSQQ:	04-20-35-34	**Acres:**	8.99
		Front Ft:	0

Amenities		Utilities	
WF Type:	n/a	**Electric:**	Power Installed
View Quality:	n/a	**Sewer:**	Sewer/Septic Installed
Street Type:	Paved	**Water:**	Water Installed

Warning: Appraisal data provided is for informational purposes only and is incomplete for determination of value.

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(253)798-6111 or Fax (253)798-3142
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Pierce County Assessor-Treasurer ePIP

Building Characteristics for 0420353027

07/01/2010 08:03 AM

Property Details		Taxpayer Details	
Parcel Number:	0420353027	**Taxpayer Name:**	GREELEY GRACE ARDELL
Site Address:	2301 23RD ST SE	**Mailing Address:**	25518 133RD AVE NE ARLINGTON WA 98223-6829
Account Type:	Real Property		
Category:	Land and Improvements		
Use Code:	8300-CU FARM & AGRI RCW 84.34 CURRENT USE		

Building ID: **1** 2 3 4 5 — **5 building(s) on this parcel**

General Characteristics

Property Type:	Residential	**SF:**	912	**Fin. Attic SF:**	0
Condition:	Extra Poor	**Net SF:**	0	**Total Bsmnt. SF:**	0
Quality:	Low Plus	**Atch. Garage SF:**	0	**Fin. Bsmnt. SF:**	0
Neighborhood:	090901 / 0	**Det. Garage SF:**	0	**Bsmnt. Gar. Door:**	0
Occupancy:	Single Family Residential	**Carport SF:**	0	**Fireplaces:**	1

Built-As

Description	Year Built	Adj. Year Built	SF	Stories	Bed-rooms	Bath-rooms	Exterior	Class	Roof	HVAC	Units	Sprinkler SF
1 Story	1924	1950	912	1	1	1	Frame Siding	n/a	Built Up Rock	Electric	1	0

Improvement Details

Detail Type	Detail Description	Units
Porch	Metal Roof	790
Porch	Open Slab	1,150

Warning: Appraisal data provided is for informational purposes only and is incomplete for determination of value.

I acknowledge and agree to the prohibitions listed in RCW 42.56.070(9) against releasing and/or using lists of individuals for commercial purposes. Neither Pierce County nor the Assessor-Treasurer warrants the accuracy, reliability or timeliness of any information in this system, and shall not be held liable for losses caused by using this information. Portions of this information may not be current or accurate. Any person or entity who relies on any information obtained from this system does so at their own risk. ***All critical information should be independently verified.***

"Our office works for you, the taxpayer"

Pierce County Assessor-Treasurer
Dale Washam
2401 South 35th St Room 142
Tacoma, Washington 98409
(253)798-6111 or Fax (253)798-3142
www.piercecountywa.org/atr

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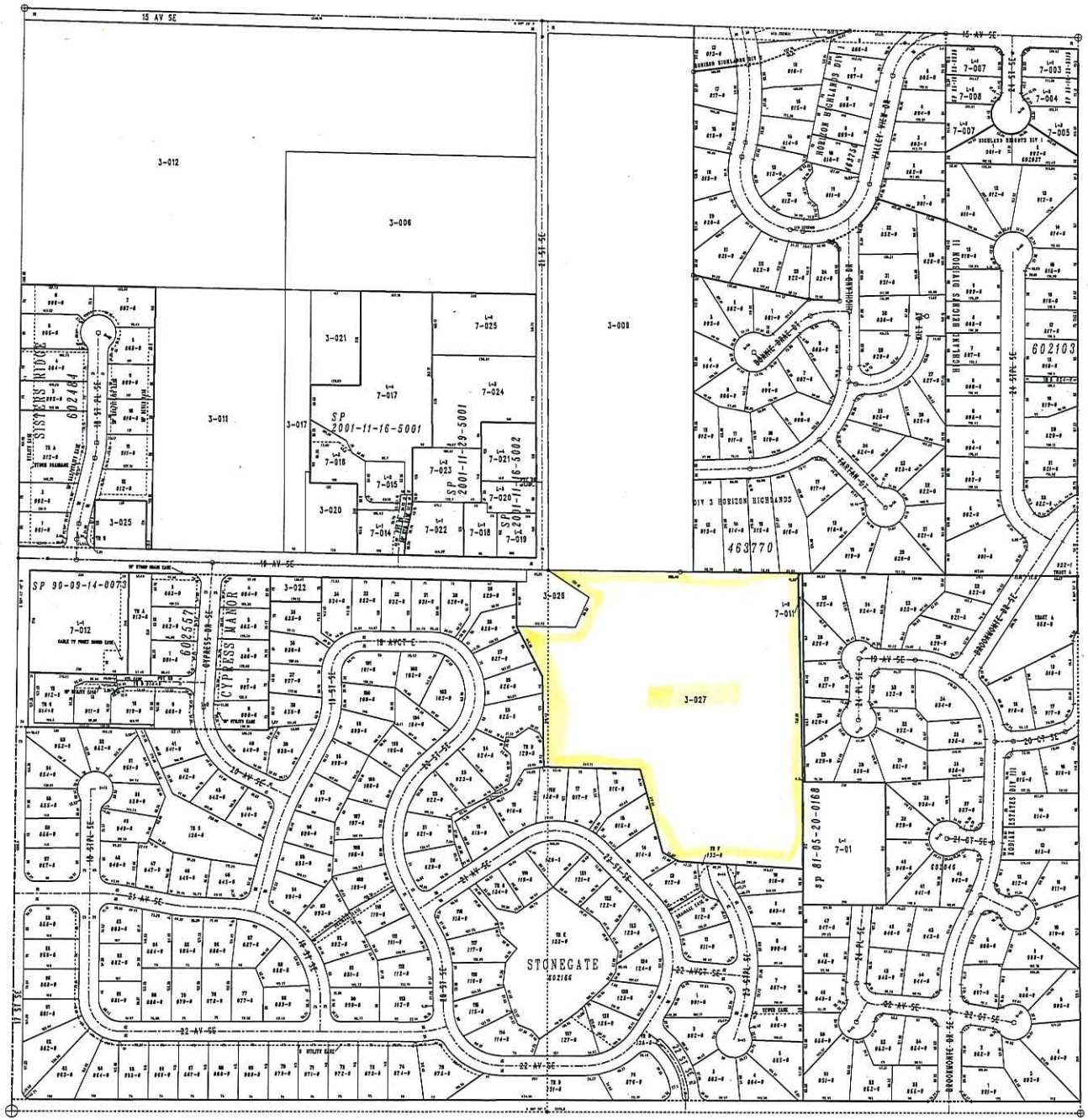

SW35-T20N-R04E

Scale 1" = 100'

NORTH

DATE OF MAP PRODUCTION: 03/24/09

04-20-35-3

Public Services Building
2401 S. 35th Street, Room 142
Tacoma, Washington 98409

Washington State Plane Feet, South Zone, Datum NAD83-91

Pierce County
Assessor-Treasurer

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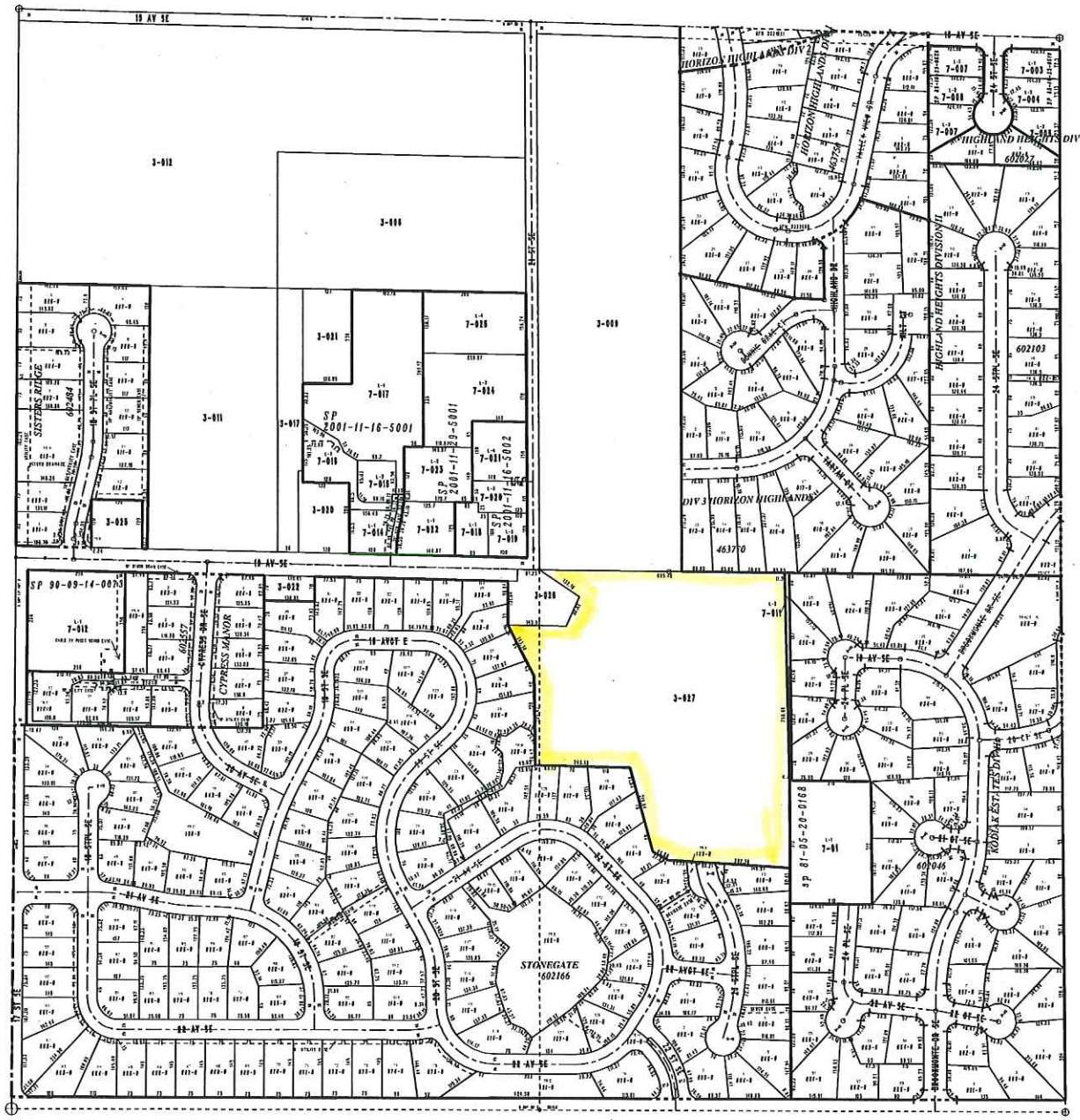

SW35-T20N-R04E

100 0 100 200

Scale 1" = 200'

NORTH

DATE OF MAP PRODUCTION: 11/01/00

04-20-35-3

Public Services Building
2401 S. 35th Street, Room 142
Tacoma, Washington 98409

Washington State Plane Feet, South Zone, Datum: NAD83-91.

Pierce County
Assessor-Treasurer

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620837

Pierce County Assessor-Treasurer ePIP

Parcel Summary for 0420353026

07/01/2010 07:55 AM

Property Details		Taxpayer Details	
Parcel Number:	0420353026	**Taxpayer Name:**	OTTINGER SHARON A
Site Address:	2100 19TH AV E	**Mailing Address:**	25518 133RD AVE NE ARLINGTON WA 98223-6829
Account Type:	Real Property		
Category:	Land and Improvements		
Use Code:	1101-SINGLE FAMILY DWELLING		

Appraisal Details		Tax/Assessment	
Value Area:	PI5	**Current Tax Year:**	2011
Appr Acct Type:	Residential	**Taxable Value:**	177,200
Business Name:		**Assessed Value:**	177,200
Last Inspection:	07/15/2004 - Board		

Related Parcels

Group Account Number:	n/a
Mobile/MFG Home and Personal Property parcel(s) located on this parcel:	n/a
Real parcel on which this parcel is located:	n/a

Tax Description

Section 35 Township 20 Range 04 Quarter 32 : PARCEL "C" 0F DBLR 95-07-17-0491 DESC AS FOLL COM AT SW COR OF SW TH N ALG W LI SD SW 1387.82 FT TO NW COR OF SW OF SW TH E ALG N LI SD SUBD 1260.60 FT TO POB TH CONT E 81.25 FT TH S 51 DEG 21 MIN 11 SEC E 132.18 FT TH S 28 DEG 41 MIN 48 SEC W 80.82 FT TH N 88 DEG 56 MIN 26 SEC W 145.92 FT TH N 151.64 FT TO POB EXC ANY POR LY IN N 30 FT OF SW OF SW DEEDED TO CY OF PUYALLUP BY AFN 1212399 SEG F 7515 DC5/29/96JU

I acknowledge and agree to the prohibitions listed in RCW 42.56.070(9) against releasing and/or using lists of individuals for commercial purposes. Neither Pierce County nor the Assessor-Treasurer warrants the accuracy, reliability or timeliness of any information in this system, and shall not be held liable for losses caused by using this information. Portions of this information may not be current or accurate. Any person or entity who relies on any information obtained from this system does so at their own risk. ***All critical information should be independently verified.***

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SW35-T20N-R04E

100 0 100 200

Scale 1" = 100'

NORTH

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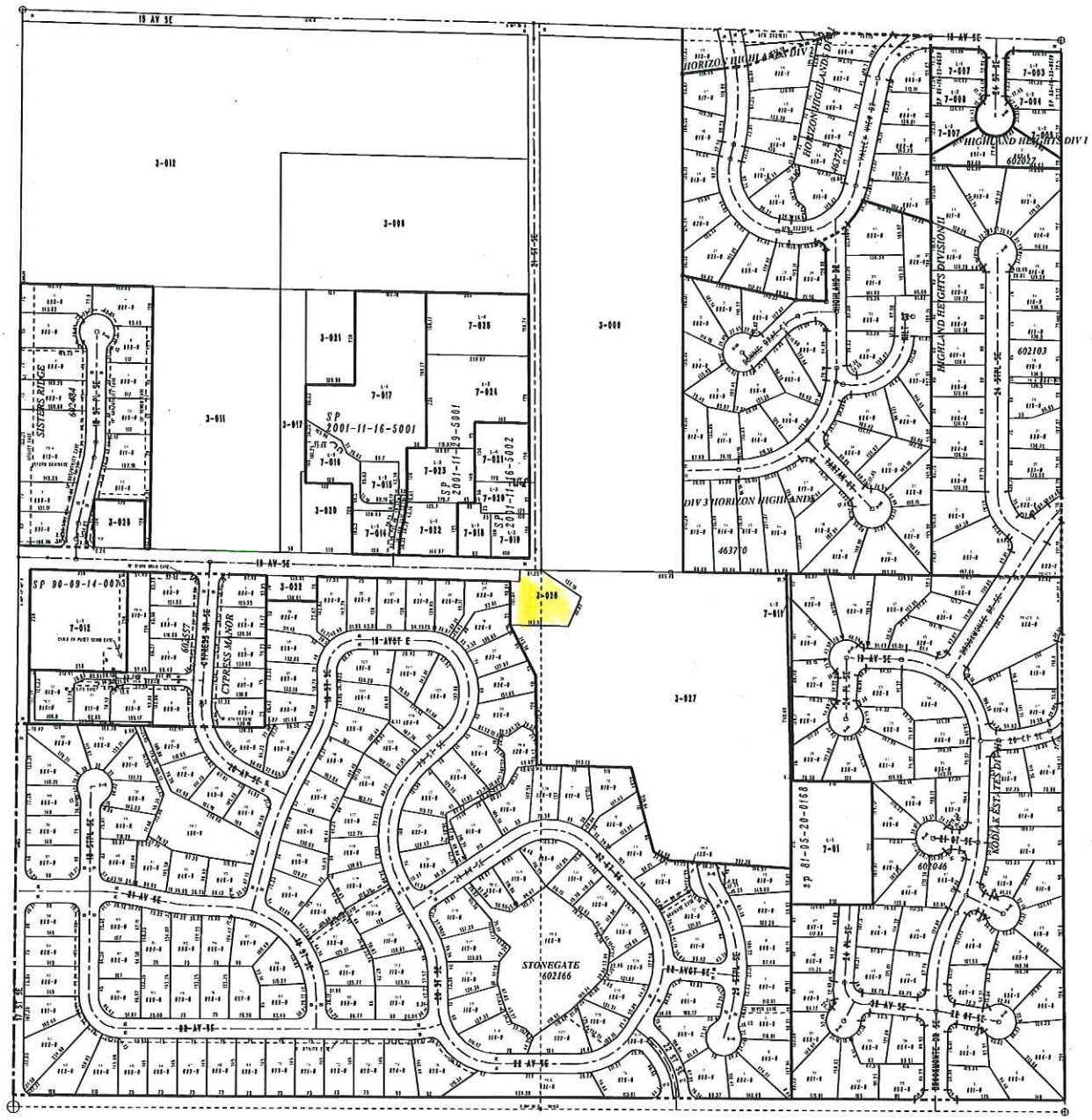

SW35-T20N-R04E

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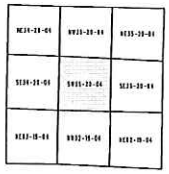
Scale 1" = 200'

NORTH



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Assessor-Treasurer

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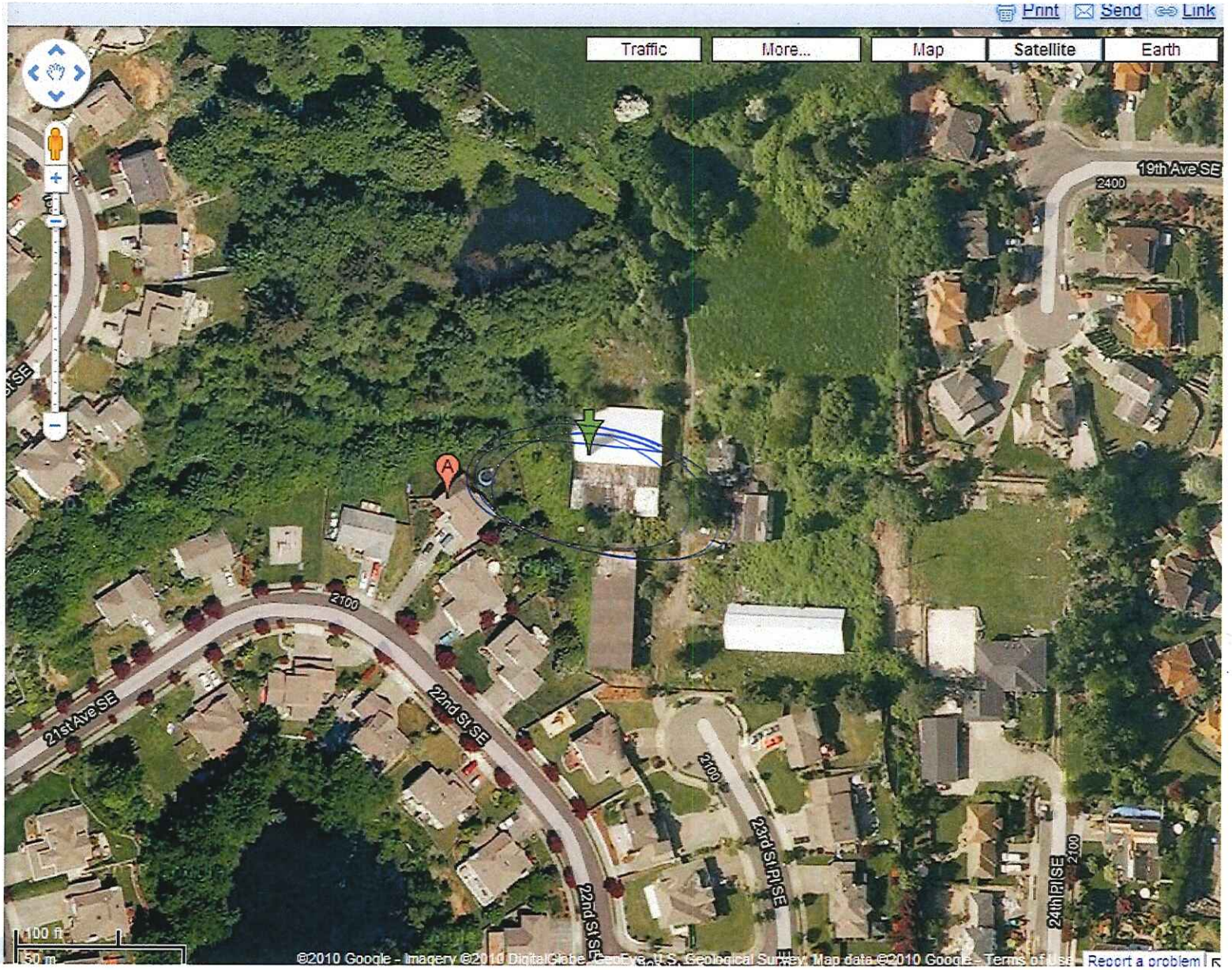
Western Washington Puyallup
Frontiner Museum Fire/Drums
620837



cjette@centralpierce.org

(360) 435-4669

Leo Ledbetter
11903 217th Pl NE, Arlington, WA 98223(360) 435-4669

Sharon Tanner, Daughter
inherited 15 years ago

(360) 435-6469

7/8/10 8pm No answer
7/9/10 – 0910 busy
– 0920 no answer
– 1020 answer

Drums moved to Bldg.
– Father had gravel pit
– Treated fence posts

8/20/10 1410

Sharon Tanner (360)435-6469

– Joshua Cunia ← (253) 579-6769 848-4306 (fax)
Cuniagroup@comcast.net
(253) 273-4612 → Jeremy Cunia younger brother

1420

– No progress
– city of Puyallup

SITE ADDRESS: 210, -23rd St. Place SE
Puyallup, WA 98372

Drums
47.172113
122.265218

620837

47.17137
122.26570 Street to south

County tax ID
0420353027
8.99 ACRE

Greeley, Grace cradle 11
2301 23 ST Place? SE/Puyallup SITE

0420353026 → 2100-19th Ave. E./Puyallup
Sharon A. Ottinger
25518 133rd Ave NE
ARLINGTON WA 98225

0.52 Acres

A-Ottinger
SHARON (OTTINGER/TANNER)
Puyallup Records
25518 133rd Ave NE
ARLINGTON WA 98225

CLIFF 253-380-7359 → CPFMR Fire Marshall

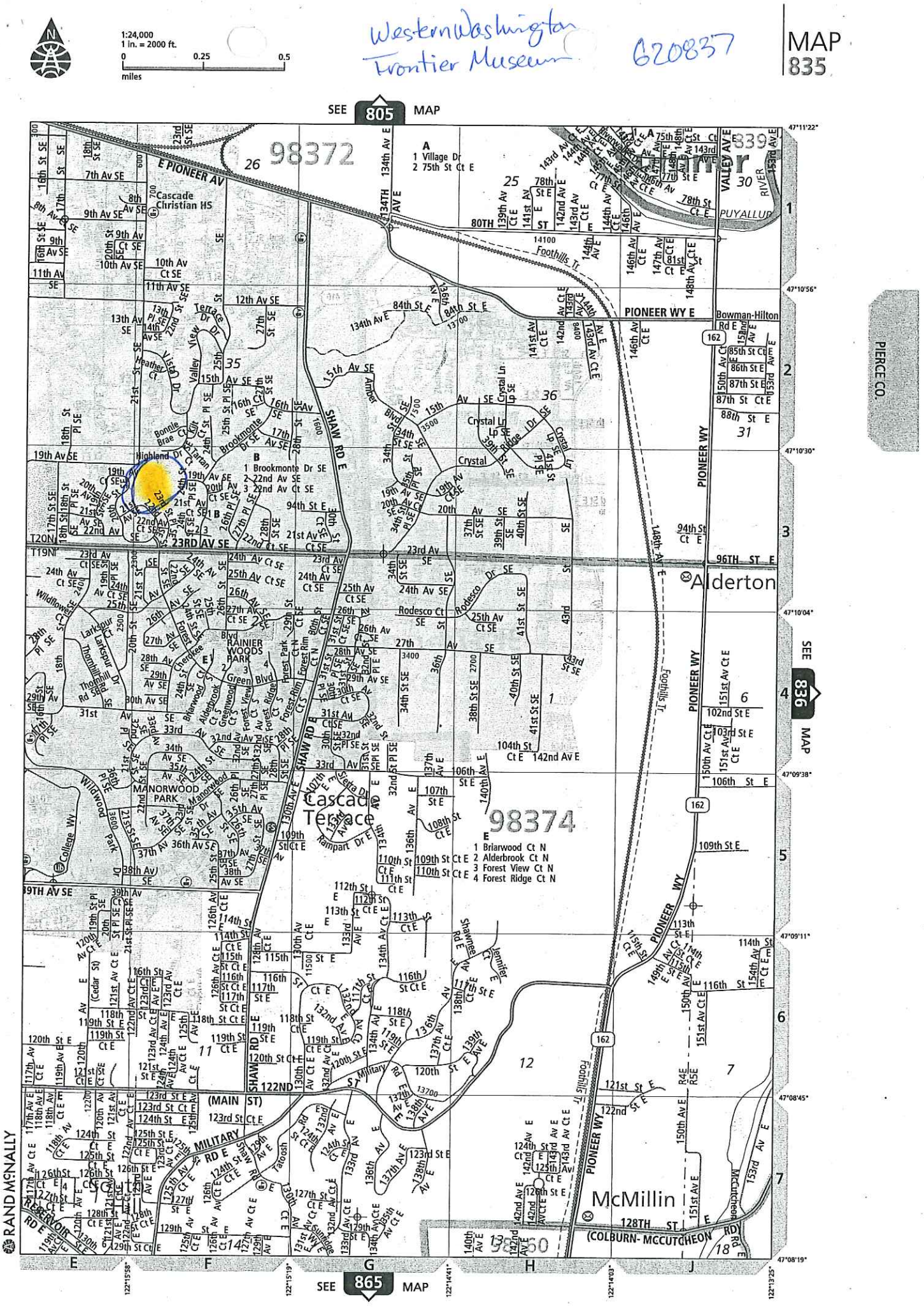
Lotte ciotte@centralpiercefire.org

RE: STONEGATE FIRE

UNABLE TO CONTACT
- PAST OWNER: SHARRON A. TANNER
360-435-6469 No answering machine

2104 23rd ST SE NOT A GOOD ADDRESS FOR COUNTY

INVESTIGATOR: SUE BOCZAR 973-0066 / P.D MIKE KAWALCKI 841-5521


1:24,000
1 in. = 2000 ft.
0 0.25 0.5
miles
Western Washington Frontier Museum
620837
MAP 835
SEE 805 MAP
98372
98374
98360
Sumner
Alderton
McMillin
Cascade Terrace
MANORWOOD PARK
RAINIER WOODS PARK
Cascade Christian HS
E PIONEER AV
SHAW RD E
PIONEER WY
PIONEER WY E
23RD AV SE
96TH ST E
122ND ST E
(MAIN ST)
MILITARY RD E
128TH ST E
(COLBURN- MCCUTCHEON RD E)
80TH ST E
VALLEY AVE E
PUYALLUP RIVER
Foothills Tr
Bowman-Hilton Rd E
A
1 Village Dr
2 75th St Ct E
B
1 Brookmonte Dr SE
2 22nd Av SE
3 22nd Av Ct SE
E
1 Briarwood Ct N
2 Alderbrook Ct N
3 Forest View Ct N
4 Forest Ridge Ct N
SEE 836 MAP
SEE 865 MAP
PIERCE CO.
RAND MCNALLY

620837

THE NEWS TRIBUNE

CRIME NEWS

< Back to Regular Story Page

Puyallup building ruined in suspected arson

THE NEWS TRIBUNE
Last updated: June 29th, 2010 06:48 AM (PDT)

Puyallup police are investigating a suspicious fire that destroyed an old, vacant Pioneer Museum building early Sunday.

Crews responded around 4 a.m. to a structure fire in the 2100 block of 22nd Street Southeast, according to Central Pierce Fire and Rescue spokesman Matt Holm. Firefighters found heavy flames coming from a building that was 80 feet by 150 feet. The flames did not spread to adjacent structures, but it took firefighters more than two hours to extinguish them.

There were no injuries, and the building was a total loss.

Joyce Chen, staff writer

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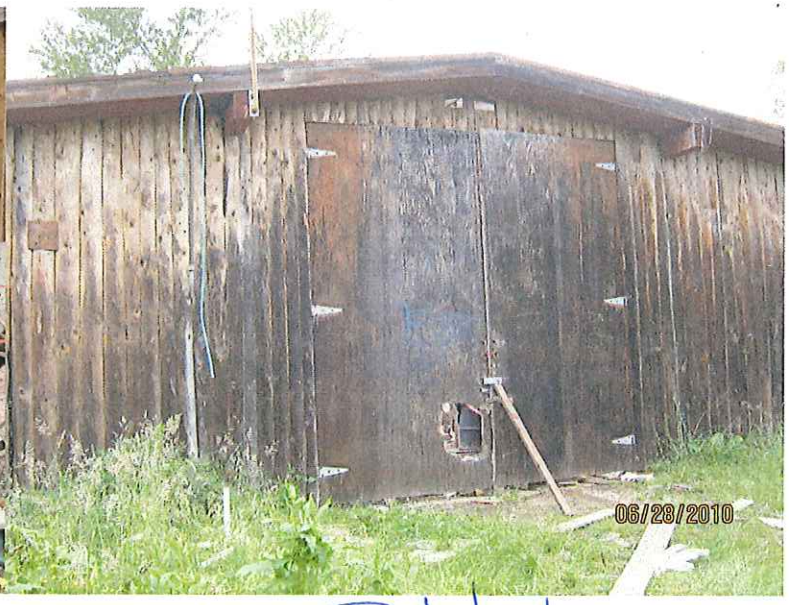
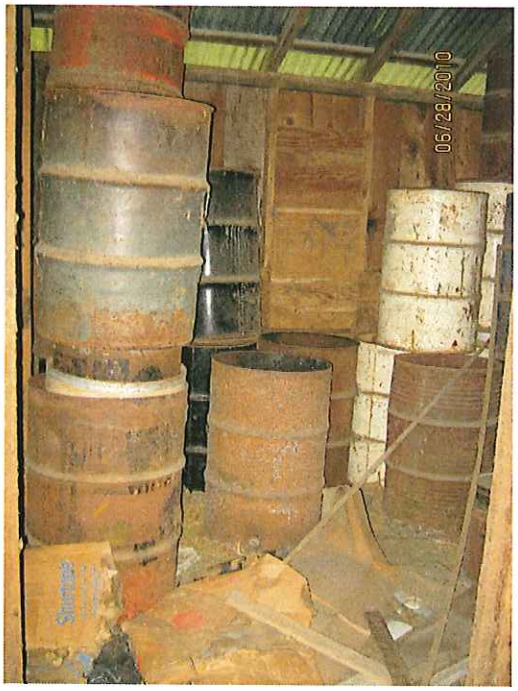
Western Washington Pioneer Museum Fire 620837



R. Holcomb

West-WA Pioneer Museum Five 620837



R. Holcomb

620837

6/28 1000 Puyallup Pioneer Museum
Assessed sit with CPF & R
City attorney & Fire Marshall
RH/DS - old barn
* All Metal drums & Fiber Drums MT

Burned building

55-gal	22	1 MT	
15 30-gal	~~3~~	1 MT	
5-gal	3		
Misc.	~~4~~		
	32-bbl 5		

Product

18	(990 max)
2	(145 max)
3	(15 max)
4	(1 max)
27	(1,055 max)

1-15 55-gal
16-17 15/30 gal
18-20 5-gal
A-O small/paint

Covered Drums

1055 off-site

1. Incident Name	2. Operational Period (Date/Time)	INDIVIDUAL LOG
Frontier Museum Drums	From: 6/28/10 To:	ICS 214a-OS

3. Individual Name	4. ICS Section	5. Assignment/Location
K. Holcomb		620837

6. Activity Log — Page of

Time	(253) 538-6572 Major Events	
0807	Greg Gullett / Central Rec F&R	Stat 72
	12-15 55-gallon drums	38th & Shaw
	6-8 Drums in shed	Left on 37th to
		Left on Shaw Rd.
	Old Frontier Museum	

7. Prepared by: **Date/Time**

Spill Response Checklist for Incident Notifications & Go/No Go Decisions

Instructions: For initial notifications, this will supplement your notes or ERTS form. Complete this checklist for each incident & make it part of your records. Maintain copies of completed checklists with your incident files. Consult your Regional Supervisor for any additional direction. **Click boxes below to select answers. If Go decision is obvious contact Regional Supervisor directly.**

Notifications: See Core Policy 9A (Internal Notifications)

Significant Incident Threshold: *Consider the actual or potential release or impacts, in combination with the factors listed below to decide when to trigger additional notifications. If you have any doubt or question about notifications ... call your duty partner. After discussion with duty partner, notify Regional Supervisor if necessary.*

Notification Received:	**Caller Information:**	**Responder Name:**
Time:	Name:	Name:
Date:	Responsible Party:	ERTS #:
Water body / Location :		

Yes	No	***Contact your Regional Supervisor if any item is checked YES.***
☐	☐	Actual or potential threat to public health, safety, or the environment that exceeds regional "no notification criteria" regardless of the location of the threat or proximity to Washington waters.
☐	☐	Potential for escalation and/or enforcement actions.
☐	☐	Complexity of circumstances.
☐	☐	Importance to stakeholders.
☐	☐	Actual or potential public or media interest.
☐	☐	Potential prevention lessons to be learned.
☐	☐	"Red flags" such as company, vessel or facility history.
☐	☐	On-going priority issues of the Spills Program.
☐	☐	Crude, bunker or any other black oil product likely to be spilled to water in large quantities.
☐	☐	Disabled commercial vessels due to an accidental or intentional grounding, failure of the propulsion or primary steering systems, loss of tow or other incidents that affects the vessel's seaworthiness or fitness for service.
☐	☐	Emergency Response Tug deployments to the above or any other vessel incidents.

Notifications Conducted: Check all that apply. Fill in time of notification.

	Notification to:	**Time**	
☐	TRAP Duty Officer		(25 gallons to water or potential wildlife impacts)
☐	Vessel Prevention Duty Officer		(Covered vessel incident or spill from commercial vessel)
☐	Facility Prevention Duty Officer		(Any spill or incident at a regulated facility)
☐	Regional Supervisor		
☐	Local DEM		

Go/No Go: See Response Operations Manual, Chapter 4, Section B2

Criteria: *Consider the following factors in making a Go or No Go decision. Discuss questions or concerns with your duty partner.*

Yes	No	**"GO" if any item is checked YES; call your Regional Supervisor if any questions or doubts.**
☐	☐	Requested by local, state or federal officials.
☐	☐	Significant environmental and/or public health impacts have occurred.
☐	☐	The potential for significant environmental and/or public health impacts exists.
☐	☐	The spill incident has not been stabilized or controlled.
☐	☐	Ecology will be directing, managing or overseeing significant cleanup actions or activities.
☐	☐	25 gal or more of oil spilled to water or there is significant potential for 25 gal or more of oil to reach state waters.
☐	☐	A spill occurs at an Ecology-regulated oil-handling facility, by a covered or commercial vessel--UNLESS a Facility or Prevention duty officer or a Preparedness plan holder coordinator has accepted the lead role for the incident with clear communication on roles and responsibilities.
☐	☐	The incident is or potentially newsworthy.

Go/No Go discussed with:

Duty Partner:		Regional Supervisor:	
Other:			

Decision: (check one) ☐ Go ☐ No Go ☐ Referral to: _____

Over for notes ☞

Spill Response Ch[illegible]list for Incident Notifications & [illegible]o/No Go Decisions

Instructions: For initial notifications, this will supplement your notes or ERTS form. Complete this checklist for each incident & make it part of your records. Maintain copies of completed checklists with your incident files. Consult your Regional Supervisor for any additional direction. **Click on boxes to select answers below.**

Notifications: ***See Response Operations Manual, Chapter 3, Section B, Procedures***

Significant Incident Threshold: *Consider the actual or potential release or impacts, in combination with the factors listed below to decide when to trigger additional notifications. If you have any doubt or question about notifications ... call your duty partner and/or regional supervisor.*

Notification Received:	**Caller Information:**	**Responder Name:**
Time: 05:55	Name: Tacoma Tree Lt Neally	Name: BROOKS
Date: 6-27-10	Responsible Party:	ERTS #: 620837
Water body / Location: —		

Yes	No	***Contact your Regional Supervisor if any item is checked YES.***
☐	☒	Actual or potential threat to public health, safety, or the environment regardless of the location of the threat or proximity to Washington waters.
☐	☐	Potential for escalation and/or enforcement actions.
☐	☐	Complexity of circumstances.
☐	☐	Importance to stakeholders.
☐	☒	Actual or potential public or media interest.
☐	☒	Potential prevention lessons to be learned.
☐	☒	"Red flags" such as company, vessel or facility history.
☐	☒	On-going priority issues of the Spills Program.
☐	☒	Crude, bunker or any other black oil product likely to be spilled to water in large quantities.
☐	☒	Disabled commercial vessels due to an accidental or intentional grounding, failure of the propulsion or primary steering systems, loss of tow or other incidents that affects the vessel's seaworthiness or fitness for service.
☐	☒	Rescue Tug deployments to the above or any other vessel incidents.

Notifications Conducted: Check all that apply. Fill in time of notification.

	Notification to:	**Time**	
☐	TRAP Duty Officer		(25 gallons to water or potential wildlife impacts)
☐	Vessel Prevention Duty Officer		(Covered vessel incident or spill from commercial vessel)
☐	Facility Prevention Duty Officer		(Any spill or incident at a regulated facility)
☒	Regional Supervisor		
☐	Local DEM		

Go/No Go: ***See Response Operations Manual, Chapter 4, Section B2***

Criteria: *Consider the following factors in making a Go or No Go decision. Discuss questions or concerns with your duty partner.*

Yes	No	**"GO" if any item is checked YES; call your Regional Supervisor if any questions or doubts.**
☒	☐	Requested by local, state or federal officials.
☐	☒	Significant environmental and/or public health impacts have occurred.
☒	☐	The potential for significant environmental and/or public health impacts exists.
☐	☒	The spill incident has not been stabilized or controlled.
☐	☒	Ecology will be directing, managing or overseeing significant cleanup actions or activities.
☐	☒	25 gal or more of oil spilled to water or there is significant potential for 25 gal or more of oil to reach state waters.
☐	☒	A spill occurs at an Ecology-regulated oil-handling facility, by a covered or commercial vessel--UNLESS a Facility or Prevention duty officer or a Preparedness plan holder coordinator has accepted the lead role for the incident with clear communication on roles and responsibilities.
☐	☒	The incident is or potentially newsworthy.

Go/No Go discussed with:

Duty Partner:	Ron Holcomb	Regional Supervisor:	Jim Sachet
Other:			

Decision: (check one) ☐ Go ☐ No Go

Over for notes ☞

1. Incident Name	2. Operational Period (Date/Time) From: To:	INDIVIDUAL LOG ICS 214a-OS
3. Individual Name	4. ICS Section	5. Assignment/Location

6. Activity Log — Page of

Time	Major Events
0555	DEM (Ken)
	Fire found 15 drums ~~drums~~ none leaking in a warehouse (fire response) un-impacted part of building possible abandoned museum storage Residential - requesting Ecology assess and removed Drum are inside structure - can wait for next day
06:09	p Ron H
06:13	Briefed Ron - call Jim S
06:17	p Jim Sachet
06:24	Brief Jim - no go - drums a stable - no leaking new to find property owners no response today
06:27	I briefed Fire this would be a case Ecology would handle during regular business hours
6:31	I updated Ron Holcomb • gave contact info for Greg Gullett

7. Prepared by: [signature] Date/Time 6-27-10 0615

INDIVIDUAL LOG ICS 214a-OS

Revised 10/16/08

Public Records Request - 12/29/2022

Schlesser, Schellie (PLIA) <schellie.schlesser@plia.wa.gov>

Thu 12/29/2022 5:00 PM

To:Kyler Kelly <kylerk@esnw.com>;

Good Afternoon Kyler,

Thank you for submitting a request for public records. Our agency does not have any records in response to your request. This completes our search for records related to your request. Please let me know if you have any questions or need additional information.

Thank you,

Schellie Schlesser / Administrative Assistant 2 / Pollution Liability Insurance Agency
PO Box 40930 / Olympia, WA 98504
(360) 407-0527
Schellie.Schlesser@plia.wa.gov

ERIS 620837

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
PO Box 47775 • Olympia, Washington 98504-7775 • (360) 407-6300

RECEIVED
DEC 12 2011
Tacoma-Pierce County Health Dept.

December 7, 2011

Ms. Sharon Tanner
11907 240th Street NE
Arlington WA 98223

Dear Ms. Tanner:

RE: Early Notice Letter Regarding the Release of Hazardous Substance at the
Site Name: Former Pioneer Museum (site name),
Location: 2301 23rd Street SE, Puyallup, Washington 98373.
Facility Site Identification Number: 9490.
ISIS Cleanup Site ID No.: 11739

Under Chapter 70.105D Revised Code of Washington (RCW) the Department of Ecology (Ecology) is required to conduct an Initial Investigation, of properties where we have received a report that there has been a release or threatened release of hazardous substance that could pose a threat to human health or the environment.

Ecology maintains a list of sites where an initial investigation has found that further testing and possible cleanup is needed. We call this our "database of Confirmed or Suspected Contaminated Sites". As a result of the initial investigation conducted by the Tacoma Pierce County Health Department, this property has been added to the database as a State Cleanup Site. The Facility Site Identification number assigned to this site is 18536 (existing site number). Please note that inclusion in this database does not mean Ecology has determined you liable for cleanup of the site, as that is a separate determination under the law.

This site has been added to our database because soil contaminated with Petroleum Hydrocarbons and agricultural products has been confirmed on this property. Our report indicates that contaminated soils were found during an arson fire investigation. Many drums containing hazardous substances were found at the site. We are aware the property was historically used as a farm and museum. We understand you inherited the property and designated your grandson as point of contact for issues involving the property and the fire. County staff talked to your grandson and were informed that it would take time for you to take care of the problem and that you were trying to sell the property. After months and no follow-up or cleanup activity our investigator collected samples which confirmed contamination and the property was listed. The purpose of the initial investigation is to confirm or deny the possibility of contamination on site.

In the future, Ecology may conduct a more detailed inspection of this property including testing for possible contamination. This inspection is called a "Site Hazard Assessment". At that time, Ecology will assess whether action will be needed and if necessary establish a priority for the work.

Ecology's policy is to work cooperatively with individuals to accomplish prompt and effective cleanups. Your cooperation with Ecology in planning or conducting a remedial action is not an admission of guilt or liability. Please be aware of state laws that must be adhered to if you decide to proceed with cleanup work on your own. The primary law is Chapter 70.105D RCW and the implementing regulations, the Model Toxics Control Act Cleanup Regulation (MTCA or Chapter 173-340 WAC). These laws can be found at Ecology's Toxics Cleanup Program website, http://www.ecy.wa.gov/toxicscleanup/policy .

If you would like a printed copy of the MTCA regulations or if you have questions call me at (360) 407-6240. These rules and how they impact each site can be confusing and complicated. There are Environmental Consultants that can be employed to assist property owners with the cleanup and site assessment process.

Ecology's Voluntary Cleanup Program is designed to provide technical assistance, for a fee, to cleanup sites that qualify. If you would like additional information regarding this program you can find information on our website at http://www.ecy.wa.gov/programs/tcp/vcp/vcpmain.htm or you can contact Scott Rose at 360-407-6347.

Sincerely,

Kim Cross
Toxics Cleanup Program
Southwest Regional Office

ksc:ENL 12072011 Former Pioneer Museum

by certified mail: (7010 0780 0002 3403 2803)

cc: Joshua Gunia
Sharon Bell, Department of Ecology
Cris Matthews, Department of Ecology

620837

√ 8ab

Environmental Health Program
Initial Investigations

Incident Date: ~~11/01/2010~~ 6.27.10	**ERTS #:** 620837
Received Date: 11/01/2010	**RO# 0003684**

WX: NoRain ~50°F

1st Site Visit Date: 11/16/10	**Assigned to:** Sharon, 11.2.10
Closure Date: Pioneer Museum	
Disposition: ☐ NFA ☑ Listing on SIS ☐ Site Hazard Assessment	

Site Information

guniagroup@comcast.net

Site Name: Pioneer Museum	**Site Contact:** Joshua Gunia, grandson of owner
Site Address: ~~1900 blk 22nd Place~~ 2301 23rd St SE Puyallup (98373	**Phone:** 253/579-6769
Parcel #: N/A ~~0420353027~~	**Type of Operation:** ~~Barn~~ FARM/museum
RTSQQ: 04-20-35-3-4	**Lat/Long:** λ: 47°10'19.6"N φ: 122°15'54.8"W

Issue

Issue: Unknown content in 55 gallon drums at scene of ~~warehouse~~ fire.

Notes:

Appt to meet Joshua Gunia on site at 10 am, 11/16/10.

Appt for noon, 3/29 (Tues) to meet Joshua at site - get photos + soil sample.

Department of Ecology - Environmental Report Tracking System

ERTS # 620837

Initial Report

External Reference # 10000384

Caller Information

	First	Last
Name	Lt.	Neally
Busines Name	Tacoma Fire Department	
Street Address		
Other Address		
City	State WA	Zip
E-mail		Confidential_FL ☐

Phone	Ext	Type
(253) 591-5733		Business

Where did it happen

Berth		Anchorage	
Location Name			
Street Address	1900 blk 22nd Place		
Other Address			
City/Place	PUYALLUP	State WA	Zip
County - Region	PIERCE	SWRO	FS ID
WIRA #			
Waterway		Type	
Latitude	47.172051	Longitude	122.26551
Topo Quad 1:24:000	PUYALLUP		

Direction/Landmark (mile post, cross roads, township/range)
200 feet by 200 feet museum. 2140 22nd St SE, house next door

What happened

Spills Program Oil Spill? N

Incident Date	6/27/2010	Received Date	6/27/2010 5:55
Medium	BUILDING/STRUCTURE		
Material	UNKNOWN		
Quantity	15	Unit	DRUM
Source	UNKNOWN		
Cause	UNKNOWN		
Incident Type			
Activity	UNKNOWN		
Impact	POTENTIAL POLLUTION/RELEASE		
Vessel Name			
Hull Number			

Primary Potentially Responsible Party Information

	First	Last
Name		Unknown
Business Name		
Street Address		
Other Address		
City	State WA	Zip
Phone	Ext	Type
E-mail		

Additional Contact Information

Name	Phone	Ext	Type
, Greg	(253) 377-6854		Business

More Information

Fire has discovered 15 drums of unknown contents and a scene of an abandoned warehouse fire.

Entry Person Baxter, Susan Entry Date 6/28/2010

*** The Initial report contains only information provided to Ecology from the complainant.

ERTS # 620837

Referral

Referral # 134886

Referral Method
- ○ E-mail ERTS number
- ○ E-mail attachment
- ○ Print
- ◉ Telephone

Person Referred to BROOKS, NANNETTE — Primary ☐
Phone (360) 407-6242 Fax (360) 407-6305
E-mail nbro461@ecy.wa.gov
Program/Organization SPILLS, PREVENTION, PREPAREDNESS AND RESPONSE
Address PO BOX 47775
City OLYMPIA WA 98504-
Region/Location SWRO
Referral Date 6/27/2010

Referral # 138717

Referral Method
- ○ E-mail ERTS number
- ◉ E-mail attachment
- ○ Print
- ○ Telephone

Person Referred to BELL, SHARON — Primary ☐
Phone (253) 798-2891 Fax
E-mail erts@tpchd.org
Program/Organization TOXICS CLEANUP
Address TPCHD
City TACOMA WA
Region/Location swro
Referral Date 11/1/2010

ERTS # 620837

Followup

Inspector Information

Followup #1

Referral # 134886
☐ Lead Inspector BROOKS, NANNETTE
Program/Organization SPILLS, PREVENTION, PREPAREDNESS AND RESPONSE
* Region/Location SWRO
# of Ecology Staff 2 Overtime ☑

Action

	Start Date	End Date
TELEPHONE - TECHNICAL ASSISTANCE	6/27/2010	6/27/2010

What happened

Spills Program Oil Spill? N

Incident Date 6/27/2010

Medium
BUILDING/STRUCTURE

Material
UNKNOWN

Quantity	Unit	Est
15	DRUM	☒

Source
UNKNOWN

Regulated? ☐

Cause
UNKNOWN

Incident Type

Activity
UNKNOWN

Impact
POTENTIAL POLLUTION/RELEASE

Vessel

Where did it happen

Berth Anchorage
Location Name
Street Address 1900 blk 22nd Place
Other Address
City/Place PUYALLUP State WA Zip
County PIERCE Region SWRO FS ID
Waterway Type
WRIA #
Latitude 47.172051 Longitude 122.26551
Topo Quad 1:24,000 PUYALLUP
Direction/Landmark (mile post, cross roads, township/range)

Potentially Responsible Party Information

Check if the primary PRP provided notice to Ecology ☐

Narrative

I (Nannette Brooks) contacted the Fire Company. Greg from Engine Company 72, on scene. He told me that Engine 72 responded to a fire at the location and discovered the drums in an unaffected part of the building. The drums are not compromised at this time. They are in various states of fullness-some of the 55 gallon drums are full and some are closer to empty. When Fire leaves the scene, they will not be posting a fire watch and neither will the police department. The area is residential. Ecology assistance requested.

I briefed my duty partner, Ron Holcomb. We decided I should contact Regional Supervisor Jim Sachet at 06:17 hrs. Due to the stability of the drums and the need to contact property owner, this response will be conducted during regular business hours.

I briefed Fire at 06:27.

I updated Ron Holcomb at 06:31.

Entry Person: Baxter, Susan Entry Date 6/28/2010

Inspector Information

Followup #2

Referral # 134886
☑ Lead Inspector HOLCOMB, RON
Program/Organization SPILLS, PREVENTION, PREPAREDNESS AND RESPONSE
* Region/Location SWRO
# of Ecology Staff 2 Overtime ☐

Action

	Start Date	End Date
FIELD RESPONSE - INVESTIGATION	6/28/2010	6/28/2010

Where did it happen

Berth Anchorage
Location Name
Street Address 1900 blk 22nd Place
Other Address
City/Place PUYALLUP State WA Zip
County PIERCE Region SWRO FS ID
Waterway Type
WRIA #

*** The Initial report contains only information provided to Ecology from the complainant.

Department of Ecology - Environmental Report Tracking System

ERTS # 620837

What happened Spills Program Oil Spill? Y

Incident Date 6/27/2010

Latitude 47.172113 Longitude 122.265218

Topo Quad 1:24,000 PUYALLUP

Direction/Landmark (mile post, cross roads, township/range)

Medium
Land

Material
Oily Water Mixture ☐ Sheen Only

Quantity	To Water	To Imperm	Recover	NRDA	Est
1051	0	0	1051		☐

Source Regulated? ☐
Leaking Drum or Container
Type Private Property Primary ☑

Cause
Other - External Conditions
Type External Conditions Primary ☑

Incident Type
Oil Spill

Activity
Other

Impact
SOIL CONTAMINATION

Vessel

Potentially Responsible Party Information

Check if the primary PRP provided notice to Ecology ☐

Primary ☑ First Last
Name Sharon Tanner
Business Name
Street Address 25518 - 133rde Ave. NE
Other Address
City ARLINGTON State WA Zip 98225-
Phone (360) 435-6469 Ext Type Home
E-mail

Primary ☐ First Last
Name Joshua Gunia
Business Name
Street Address 15714 44th Avenue Ct. E.
Other Address
City TACOMA State WA Zip 98446-
Phone (253) 579-6769 Ext Type Mobile
E-mail guniagroup@comcast.net

Narrative

On 6/27/10 I (Ron Holcomb) was contacted by after-hours spill responder Nannette Brooks to discuss the initial information provided by Central Pierce Fire & Rescue regarding a number of abandoned drums discovered while dealing with a fire at the old Western Washington Pioneer Museum in Puyallup. I advised Nannette to check with SWRO Regional Spill Response Unit Supervisor Jim Sachet to determine whether we should assess the situation today. Nannette called back and said Jim wanted to hold off until Monday (6/28/10).

On 6/28/10 Doug Stolz and I responded to Puyallup and met with CPF&R at Station #2. We then followed Engine 72 to the property and conducted a site inspection (see photos in file).

We initially checked an old horse barn and identified numerous (~25 - 30) empty 55-gallon drums (metal and fiber). No other chemicals were observed in this building that was not involved in the fire.

We then proceeded to the burned building and did some basic assessment of the drums and other containers. Following is a summary of what was identified:

Container Type	Total	# Empty	# Full/Partially Full	Total Maximum Capacity
55-gallon drums	22	4	18	990 gallons
15/30-gallon drums	3	1	2	45 gallons
5-gallon containers	3	0	3	15 gallons
< 1-gallon container	4	0	4	1 gallon
Total	32	5	27	1,051 gallon

We used a TIP meter on several open drums and one gave an indication of a flammable material. Others appeared to have waste oil or grease and others were sealed and unknown.

The empty drums and containers were marked `MT` and the others were numbered and dated. We placed several tarps over the drums/containers and used caution tape to mark them off (see photos).

CPF&R did provide some property ownership information but no telephone numbers.

On 6/30/10 I left a message with the CF&R Fire Marshall about property owner contact information.

A check of the Pierce County Assessor`s web site on 7/1/10 identified the property owner as:

Grace Ardell Greeley
25518 - 133rd Ave. NE

Arlington, WA 98225

The address of the 8.99 acre property is listed as:

2301 - 23rd Street E.
Puyallup, WA

See file for additional details on the property.

No call-back from Fire Marshall as of 7/6/10.

On 7/7/10 I issued a letter to the property owner (Grace Ardell Greeley) regarding the drums and requesting contact with Ecology (see file).

On July 9, 2010 I received a call from Sharon Tanner and she explained that she inherited the property from her mother (Grace Ardell Greeley) some 15 years ago when she passed away. I advised her that the Pierce county property records had not been changed or updated.

Ms. Tanner went on the explain that she was aware of the drums and that they had been stored in the `museum` building. The drums were from her father`s work over the years that include treating wood for fencing. I explained that there was some spillage and that the drums were not marked. I advised her that it would be in her interest to have the drums properly tested and the waste disposed of by an environmental contractor especially since the property was unoccupied and someone had likely set the fire that destroyed the building which had housed the Pioneer Museum.

I also noted that there were two large fuel tanks on the property. Ms. Tanner said the elevated tank at the south end of the property had been used for gasoline but had been empty for many years. She did not seem to be aware of the second tank I observed at the southwest corner of the burned building.

I then explained that I would be sending another letter and would include a list of environmental contractors. I also encouraged her to have her grandson contact me as she said he was helping with trying to sell the property. I further advised her that I was available to provide advice and guidance to assist her, but if she chose not to do anything that I would have to refer this site to Ecology`s Toxic Cleanup Program and that her property would likely be listed as a contaminated site.

On July 13, 2010 I issued a second letter with the contractor list and photos of the drums. I requested that she inform me within 14 days of how she would be proceeding with the situation.

On 8/20/10 I contacted Ms. Tanner to check on the status of the property and she stated that her grandsons were directly involved with the situation and she provided their names and contact information:

Joshua Gunia (253) 579-6769
Jeremey Gunia (253) 273-4612

At approximately 1420, I was able to contact Joshua Gunia who confirmed that he was Ms. Tanner`s grandson and was working on selling the property and dealing with city officials regarding the burned structures. He said he was aware of the drums and would work on that issue also (he said he was not aware of the fact that Ecology had been communicating with his grandmother on this issue). Mr. Gunia asked me to email him the information I had provided to his grandmother at guniagroup@comcast.net. I said I would and that I would be available to help him as he proceeds with the cleanup.

The two letters, photos and contractor list were sent on 8/20/10 via email:

Joshua,
Attached are the photos and two letters that I sent to your grandmother.

Also, following is a link to Ecology`s list of environmental cleanup contractors (although you can choose any qualified contractor you want even if they are not on Ecology`s list):

http://www.ecy.wa.gov/programs/spills/response/Hazmat_Spill_Contractor_List.pdf

Please respond back to let me know that you received this information and also provide a mailing address where I can send correspondence to you.

Please feel free to contact me by phone or email if you have any questions.

Thank you and good luck with your efforts to sell the property.

Ron Holcomb
Hazardous Materials Specialist
Department of Ecology
Southwest Region
(360) 407-6373
Ron.Holcomb@ecy.wa.gov

I received the following reply from Joshua:

ERTS # 620837

Hi Ron . Thank you for the email and also for working with us on this. my mailing address is 15714 44th ave ct e Tacoma WA 98446. Have a great weekend.
Joshua Gunia, Vice President
A Advanced Septic Services, Inc.
253-435-9999 Office
253-579-6769Cell
joshua@guniagroup.com

aadvancedservices.com

`The Guys To Know When You Gotta Go!`

Because the SWRO Spill Response Unit has not received any information regarding the progress of the cleanup at this site, it will be referred to the Toxic Cleanup Program.

Referral to TCP (Sharon Bell, Tacoma-Pierce County Health Department) was made on 11/1/10.

Entry Person: HOLCOMB, RON Entry Date 6/29/2010

WASHINGTON STATE DEPARTMENT OF ECOLOGY

INITIAL INVESTIGATION FIELD REPORT

ERTS Number: 620837
Parcel #: 0420353027
COUNTY: PIERCE

SITE INFORMATION

Site Name (e.g., Co. name over door): Pioneer Museum	Site Address (including City and Zip+4): 2301 23rd St SE Puyallup, WA 98373	Site Phone: none
Site Contact and Title: Joshua Gunia, grandson of owner	Site Contact Address (including City and Zip+4): 11603 Canyon Road E. Puyallup 98373	Site Contact Phone: 253/435-9999
Site Owner: Sharon Tanner	Site Owner Address (including City and Zip+4): 11907 240th St NE Arlington, WA 98223	Site Owner Phone: 360/474-1829
Site Owner Contact:	Site Owner Contact Address (including City and Zip+4):	Owner Contact Phone:
Alternate Site Name(s):	Comments:	Is property > 10 acres? Yes ☒ No ☐
Previous Site Owner(s):	Comments:	

Location: Quarter-Quarter: 3-4 Section: 35 Township: 20N Range: 04E
Latitude: Degrees: 47 Minutes: 10 Seconds: 19.6 N
Longitude: Degrees: 122 Minutes: 15 Seconds: 54.8 W

INSPECTION INFORMATION

Inspection Date: 11.16.10	Inspection Time: 10 am		Entry Notice:	Announced ☒	Unannounced ☐
Photographs	Yes ☒	No ☐	Weather:	Clear ☒ Rain ☐	Temperature: ~50 ° F
Samples	Yes ☒	No ☐	Wind Direction:		Wind Speed:

RECOMMENDATION

No Further Action (Indicate NFA in box below):		**LIST on ISIS** (Indicate in box below):	
Release or threatened release does not pose a threat	☐	Site Hazard Assessment	☒
No release or threatened release	☐	Interim Action	☐
Educational mailing	☐	Emergency Action	☐
Refer to program/agency (Name: _____)	☐	Independent Cleanup Action In progress	☐
Independent Cleanup Action Completed (i.e., contam, removed)	☐		

COMPLAINT (Brief Summary of ERTS):
Leaking drums

SITE STATUS (Brief Summary of site condition(s) after investigation):
Soil in vicinity of a cluster of stored drums is contaminated with petroleum hydrocarbons and agricultural chemicals.

Investigator: S. Bell	Date Submitted: 05.27.11

OBSERVATIONS

Description:

This property is about 20 acres in size, and encompasses three parcels. Two parcels list the taxpayer as Grace Ardell Greeley. A third parcel lists a separate taxpayer, Sharon Ottinger, with the same listed mailing address as the Greeley parcels. The Ottinger parcel is a half acre in size and forms the northwest corner of the southern Greeley parcel. Sharon Tanner currently owns all three parcels and is the daughter of Grace Greeley; Ottinger was her maiden name. The property was used as a farm and a museum until approximately 5 years ago when all activity ceased. The property was referred to as the Pioneer Museum, not to be confused with the Pioneer Farm Museum in Eatonville.

An arson fire occurred on the southern parcel, 0420353027, in late June 2010. The Fire Department encountered a number of unaffected drums in a burned structure on the property and contacted Ecology. Ron Holcomb with Ecology's Spill Response conducted an assessment of the drums and other containers. Subsequent information collected by Ron indicated the listed taxpayer, Grace Ardell Greely, had been dead for a number of years and the property had been inherited by her daughter, Sharon Tanner. Ms. Tanner designated her grandson, Joshua Gunia, as the point of contact regarding issues at the site. Spill Response referred the site to the Toxics Cleanup Program in November 2010 for follow up regarding soil contamination due to spillage from some of the drums.

I contacted Joshua Gunia and set up an appointment to meet him at the site on 11.16.10. We walked the site together, concentrating on the large storage building where the drums were located. The southern half of the building was destroyed in the fire. The remaining half is in poor condition, lacking a roof and exposing the drums stored inside to weather conditions. The drums were stored together and covered with tarps. Soil staining was apparent around the drums and in several other areas. I spoke with Joshua about the need for his family to hire an environmental professional to delineate the extent and type of contamination on the property due to the leaks and/or spills from the drums, and we also spoke about the need to properly dispose of the drum and their contents. He told me that it would require several months for the family to be able to coordinate that, and that they were trying to sell the property. I told Joshua that an interested buyer might be willing to conduct a Phase II Environmental Site Assessment.

No progress was made in assessing or remediating the soil contamination at this property. I eventually coordinated an approved site visit through Joshua to collect soil samples at the subject property. I returned to the property on 05.10.11 and collected three soil samples. All three samples were jar packed and submitted for HCID, Total RCRA metals, SVOCs, and PCB analyses. Metal and SVOC results were below MTCA CULs; PCBs were non-detect. HCID results indicated oil present in all three samples and gasoline present in S2. Further analysis with NWTPH-dx and NWTPH-gx found oil present in all three samples, ranging from 3100 to 37,000 mg/kg. Gasoline range organics were detected in S2 at 1,900 mg/kg and were noted by the lab to be similar to mineral spirits.

The S1 sample was also tested for the presence of chlorinated herbicides, as well as organochlorine and organophosphorus pesticides. All of the detected herbicide compounds are in the phenoxy chemical family. No organophosphorus pesticides were detected, with a reported laboratory PQL of 0.22 mg/kg. Lindane, an organochlorine pesticide, was detected at the cleanup level. The pesticide and herbicide compounds detected are tabulated below; only one has a MTCA Method A CUL (lindane). For those compounds found in CLARC, the Method B mg/kg values are also provided.

S1 results for pesticides and herbicides; measurement units are mg/kg

Method	Analyte Group	Detects	Concentration	MTCA CUL	CLARC
8081A	Organochlorine pesticides	Beta-BHC (**lindane**)	**0.01**	**0.01**	0.0769
		Methoxychlor	0.019	---	400
8151A	Chlorinated acid herbicides	MCPP	36	---	---
		MCPA	15	---	---
		Dichlorprop	1.1	---	---
		Pentachlorophenol	0.0035	---	8.33
		2,4,5-TP (Silvex)	0.094	---	640
		2,4-DB	0.037	---	640
		Dinoseb	0.011	---	80

Soil samples were jar packed, stored in a sample refrigerator, and transported on ice. GRO/VOCs were not anticipated as contaminants of concern. HCID results indicated the need to run S2 for gasoline and BTEX; the analytical results for these parameters should be considered estimates, with potential negative bias in the results as 5035A sample collection methods were not used and the sample preparation occurred past the recommended holding times. Also, matrix interference resulted in potential negative bias for the methoxychlor results; actual concentrations could be greater.

Summary: lube oil and gasoline range organics were found in concentrations exceeding MTCA Method A CULs. A variety of pesticides and herbicides were also detected; lindane was found in concentrations equaling the CUL. Further assessment of the site

for the presence of lindane and other agricultural chemicals is warranted. Note: EDB was not tested for.

The TPCHD recommends listing this property as contaminated.

Description of past practices likely to be responsible for contamination:
Overflowing drums, leaking drums, spillage associated with storage of products in drums.

ACTIVITIES OR PRACTICES RESPONSIBLE FOR CONTAMINATION:

Spill	☒	LUST	☐
Pesticide disposal	☐	Tank	☐
Landfill	☐	Improper handling	☐
Drums	☐	Improper disposal	☐
Other – Describe:			

Are discharges permitted (if yes, describe): No ☒ Yes ☐

Standard Industrial Code(s)

CONTAMINANT(S)

AFFECTED MEDIA	**CONTAMINANTS** (#1-16: See contaminants key) Enter letter designating status of contaminant: **C** = Confirmed (above cleanup levels); **S** = Suspected; **R**= Remediated															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Ground Water		**S**				**S**	**S**									
Surface Water																
Drinking Water																
Soil		**C**				**C**	**C**									
Sediment																
Air																

1 Base/neutral organics
2 Halogenated organic compounds
3 Metals - Priority pollutants
4 Metals - Other
5 Polychlorinated biPhenyls (PCBs)
6 Pesticides
7 Petroleum products
8 Phenolic compounds
9 Non-halogenated solvents
10 Dioxin
11 Polynuclear aromatic hydrocarbons (PAHs)
12 Reactive wastes
13 Corrosive wastes
14 Radioactive wastes
15 Conventional contaminants, organic
16 Conventional contaminants, inorganic

SITE INFORMATION

Soil type 13B Everett gravelly sandy loan and 20B, 20C Kitsap silt loam

Slope Level

Site vegetation/cover present:

Forest	☒	Pasture/open field	☒
Bare soil	☒	Wetlands	☐
Brush	☒	Pavement	☐
Landscaped	☐	Surface water	☐

Other – Describe:

Are there any drinking water systems affected?	☐ Yes	☐ No
Municipal, private, or both? (Circle one)		
How many people are estimated to be affected? _____		
Is there a potential for a release or threatened release to affect a drinking water source?	☐ Yes	☐ No
Are there monitoring wells in the vicinity?	☐ Yes	☐ No
Are there dry wells in the vicinity?	☐ Yes	☐ No

CONTAMINANT PATHWAYS AND TARGETS

	Ingestion	Inhalation	Contact
Ground Water	x	x	x
Surface Water	x	x	x
Drinking Water	x	x	x
Soil	x	x	x
Sediment			
Air		x	

Targets possible:

Human, adult	☒	Residential	☒
Human, children	☒	Industrial	☐
		Commercial	☐

Sensitive environments (See WARM Scoring Manual for definition):

☒ Yes ☐ No If yes, describe:

This site overlies the Central Pierce County Sole Source Aquifer. A pond/wetland is present on the site. Within two miles are multiple wetlands, parks and streams.

General Comments:

Initial Investigation File Documentation

NOTE: 5/27/11 – Prop. is in foreclosure

Site Address: Pioneer Farm Museum

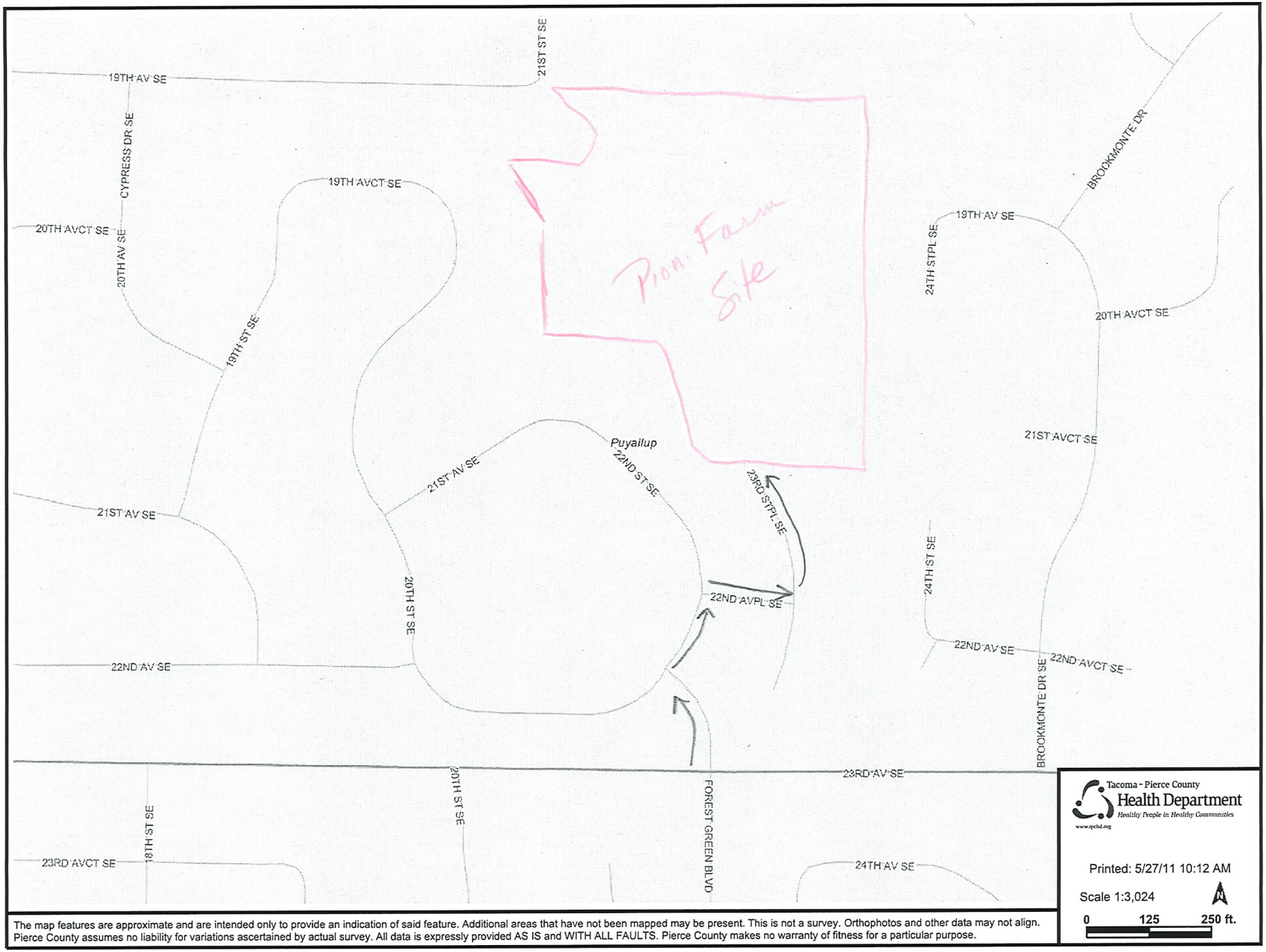
II #: 620837

DATE	COMMENTS
	NOTE: Incident → 6.27.10
	Referred to TPCHD → 11.01.10
11.16.10	Site visit. Wx = not raining, cloudy, ~50°F. Accessed via development off 23rd St SE. (Stonegate Development) – See att. map.
	Met c Joshua Cunia & walked site – cluster of drums under tarps in derelict bldg – half burned, half where drums are stored has no roof tho rafters still in place. Staining on ground around drums and in several other areas. Joshua, in response to my questions, said he didn't think any agric. chemicals were ever used on property. Petrol. products + fence post preservative (likely penta?) are likely contents of drums, acc. to Joshua. Trying to sell prop; have an interested buyer – told him they might do a Ph. II then. Gave him 90 days to assess site issues.
1.20.11	P/M for Joshua to contact me.
2.3.11	No response – sent email
2.23.11	No response
	APPT TO REINSPECT: 3/24/11 @ noon
	NOTE – I had to cancel (family situation) to fly to RI – couldn't pin down a date c Joshua til finally agreed on 5/10/11, c/o Joshua in attendance (per p/c on 5/6/11 at 8:45 – gave verbal OK to access site + to collect samples.)

5/10/11 At site ~ Joyce Seger

Can no longer access off cul-de-sac in development.
Had to park off NW corner of site, ~~at~~ end of 19th Ave SE
+ walk in from that end.

Coll. 3 soil Samps. / Jar packed + put on ice in
cooler. S1 had odd odor - will run for
ag. chemicals.



Tacoma - Pierce County Health Department
Healthy People in Healthy Communities
www.tpchd.org

Printed: 5/27/11 10:12 AM

Scale 1:3,024

0 125 250 ft.

The map features are approximate and are intended only to provide an indication of said feature. Additional areas that have not been mapped may be present. This is not a survey. Orthophotos and other data may not align. Pierce County assumes no liability for variations ascertained by actual survey. All data is expressly provided AS IS and WITH ALL FAULTS. Pierce County makes no warranty of fitness for a particular purpose.

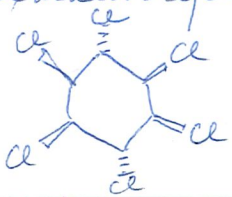
Clare Lindane .769 mg/kg = .0008 µg/kg

(3) 2,4-DB - found in formulations ∈ MCPA - selective systemic herb in phenoxy family.

Table 2
4340 S. Tacoma Way, Enhanced Initial Investigation, Sampling Summary

SAMPLE INFORMATION					ANALYTES			
Sample #	Location (lab results µg/kg = mg/kg)	Media (W=water) (S=soil)	Type (Clare .769 mg/kg; MTCA 10 ppb or 0.01 ppm)	Depth, ft BGS	VOCs	SVOCs	HCID	Priority Pollutant Metals
8081A organochlorine pesticides: beta-BHC (lindane)	10 ppb = 0.010	~~a~~ .769 S	400 (direct contact pathway)					
methoxychlor	19 ppb = 0.019							
~~Benzo(a)anthracene~~								
ND								
8270D organophosph. pests: PQL = 0.22 mg/kg								
8151A chl acid herb: MCPP	36 000 ppb = 36	—	—					
MCPA	15 000 ppb = 15	—	—		2-methyl-4-chlorophenoxyacetic acid			
dichlorprop	1100 ppb = 1.1	—	—		chlorophenoxy herbicide similar to 2,4-D			
pentachlorophenol	~~3.5~~ 3.5 = (0.004)	~~a~~	~~a~~ 8.33					
2,4,5-TP (Silvex)	94 " = (0.094)	a	a 640		= Fenoprop (phenoxy fam)			
2,4-DB	37 " = (0.037)	a	a 640		phenoxyacetic herb (3)			
Dinoseb	11 " = (0.011)	a	a 80					
EDB?								

Lindane = gamma hexachlorocyclohexane (γ-HCH), and erroneously known as benzene hexachloride

Structure  (cyclohexane ring, not benzene)

Pioneer

SVOCs, metals < MTCA; PCBs = ND
organophosphorus pesticides = ND

3 soil samples: gas, Mineral oil (min. sp.), lube oil, organochlorine pesticides & chlorinated herbicides found

jar for HCID metals, SVOCs, PCBs, RCRA metals

S1 also run for pesticides by 8081A; herbicides by 8151A, and OP pests by 8270D

HCID results detected

oil in all 3 and gas in S2

dx run on all 3
gx run on S2 (note, jar packed) flagged Z - similar to min. spirits.

jar packed ~ 11 am 5/10/11

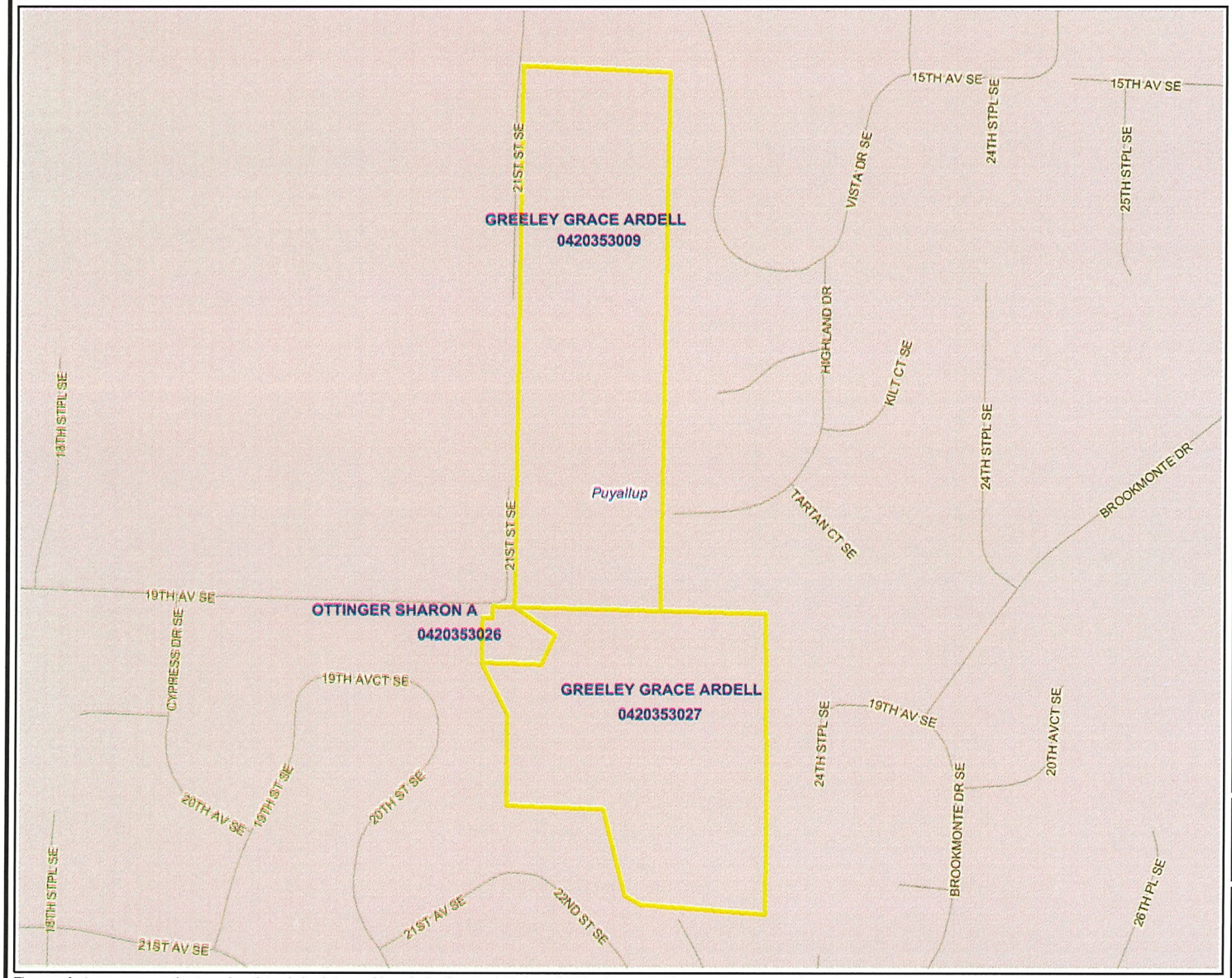
sample prepped on 5/13 - past 24 hr holding time. so results are est. mate only.

S1 lube oil 37,000 ppm
pests + herbs

S2 lube oil = 3100 ppm
gas = 1900 ppm (= min. spirits)

S3 lube oil = 25,000

ERTS 620837, Pioneer Museum Property



Map Legend

- Highlighted Tax Parcels
- Roads
- Interstate
- Limited Access State Routes
- Other State Routes
- Ramps
- Major Arterial
- Collector
- Local Access
- Pierce County Basemap
- Unincorporated County
- Tacoma
- Lakewood, Edgewood, Bonney Lake, Buckley, South Prairie
- Steilacoom, Fircrest, Fife, Gig Harbor, Orting, Eatonville, Roy, Carbonado, Wilkeson, Mt Rainier
- University Place, Puyallup, Auburn
- DuPont, Milton, Sumner
- Fort Lewis, McChord, McNeil Island
- Water

Scale 1:4,523

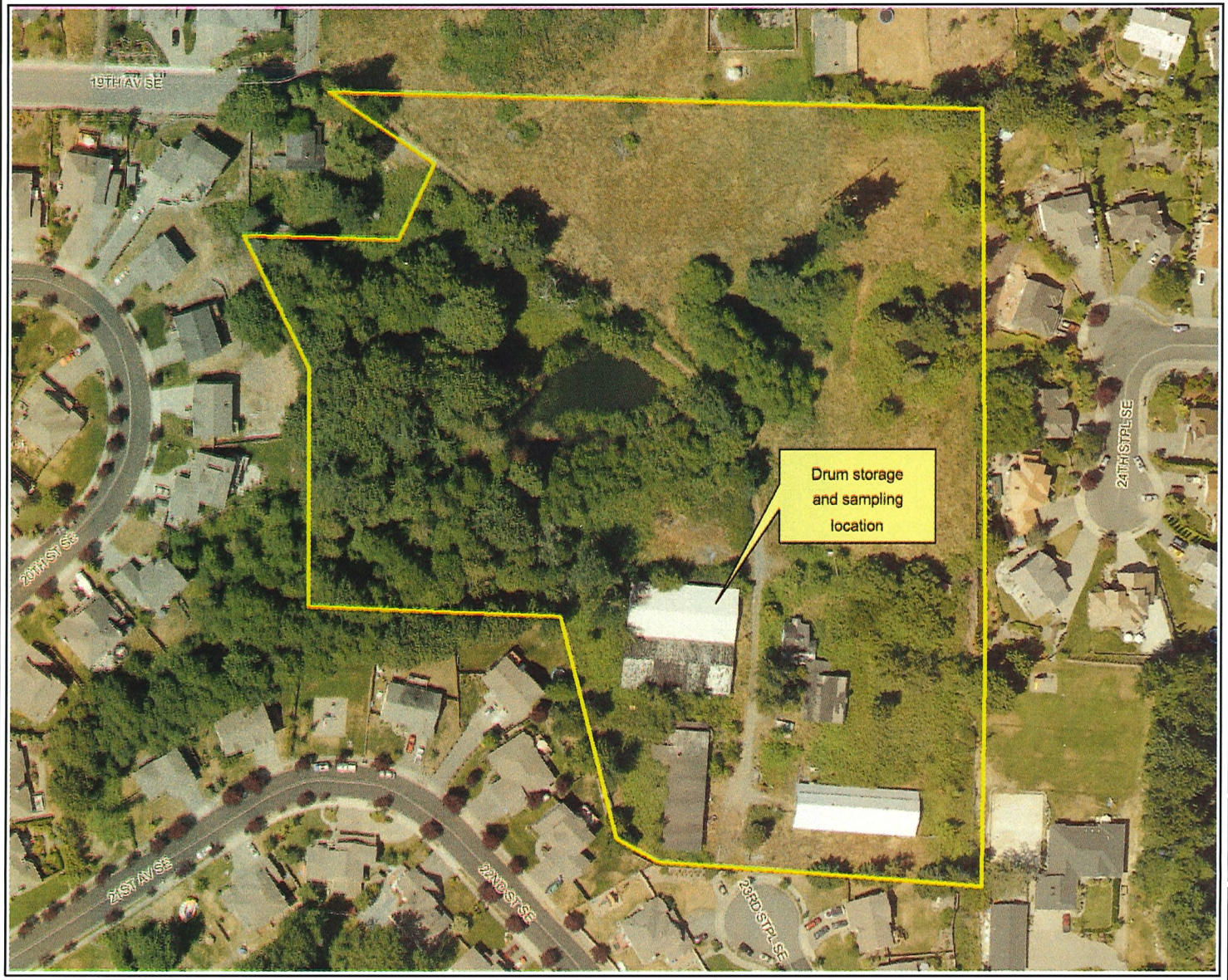
0 190 380 ft.

Printed: 5/25/11 3:36 PM

Tacoma - Pierce County Health Department
Healthy People in Healthy Communities
www.tpchd.org

The map features are approximate and are intended only to provide an indication of said feature. Additional areas that have not been mapped may be present. This is not a survey. Orthophotos and other data may not align. Pierce County assumes no liability for variations ascertained by actual survey. All data is expressly provided AS IS and WITH ALL FAULTS. Pierce County makes no warranty of fitness for a particular purpose.

ERTS 620837, Greeley Property, 2301 23rd St. SE, Puyallup



Map Legend

- Highlighted Tax Parcels
- Roads
- Interstate
- Limited Access State Routes
- Other State Routes
- Ramps
- Major Arterial
- Collector
- Local Access
- County - 2008 - Ortho

Scale 1:1,747

0 75 150 ft.

Printed: 5/10/11 5:38 PM

Tacoma - Pierce County Health Department
Healthy People in Healthy Communities
www.tpchd.org

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Pierce County Assessor-Treasurer ePIP

Parcel Summary for 0420353027

05/24/2011 09:44 AM

Property Details

Parcel Number:	0420353027
Site Address:	2301 23RD ST SE
Account Type:	Real Property
Category:	Land and Improvements
Use Code:	8300-CU FARM & AGRI RCW 84.34 CURRENT USE

Taxpayer Details

Taxpayer Name:	GREELEY GRACE ARDELL
Mailing Address:	11907 240TH ST NE ARLINGTON WA 98223-8593

Appraisal Details

Value Area:	PI5
Appr Acct Type:	Residential
Business Name:	
Last Inspection:	03/02/2006 - Physical Inspection

Tax/Assessment

Property in Foreclosure	
Current Tax Year:	2011
Taxable Value:	89,590
Assessed Value:	405,000

Related Parcels

Group Account Number:	36250
Mobile/MFG Home and Personal Property parcel(s) located on this parcel:	n/a
Real parcel on which this parcel is located:	n/a

Tax Description

Section 35 Township 20 Range 04 Quarter 34 : PARCEL "D" OF DBLR 95-05-17-0491 DESC AS FOLL COM AT SW COR OF SW TH E ALG S LI SD SW 1974.60 FT TH N 01 DEG 06 MIN 54 SEC W 615.92 FT TO POB TH N 87 DEG 01 MIN 41 SEC W 292.30 FT TH N 61 DEG 33 MIN 32 SEC W 44.88 FT TH N 15 DEG 12 MIN 37 SEC W 219.64 FT TH N 88 DEG 57 MIN 28 SEC W 243.13 FT TH N 00 DEG 48 MIN 44 SEC W 226.43 FT TH N 27 DEG 29 MIN 55 SEC W 143.38 FT TH S 88 DEG 56 MIN 26 SEC E 145.92 FT TH N 28 DEG 41 MIN 48 SEC E 80.82 FT TH N 51 DEG 21 MIN 11 SEC W 132.18 FT TO N LI OF S 1/2 OF SW TH S 89 DEG 22 MIN 06 SEC E ALG SD LI 605.46 FT TH S 01 DEG 06 MIN 54 SEC E 750.69 FT TO POB CURRENT USE RCW 84.34 1973 AGRI AFN 2457397 8.99 ACS SEG F 7515 DC5/29/96JU

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Dale Washam
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Pierce County Assessor-Treasurer ePIP

Land Characteristics for 0420353027

05/24/2011 09:44 AM

Property Details		Taxpayer Details	
Parcel Number:	0420353027	**Taxpayer Name:**	GREELEY GRACE ARDELL
Site Address:	2301 23RD ST SE	**Mailing Address:**	11907 240TH ST NE ARLINGTON WA 98223-8593
Account Type:	Real Property		
Category:	Land and Improvements		
Use Code:	8300-CU FARM & AGRI RCW 84.34 CURRENT USE		
Location:		**Size**	
LEA:	090901	**SF:**	391,604
RTSQQ:	04-20-35-34	**Acres:**	8.99
		Front Ft:	0
Amenities		**Utilities**	
WF Type:	n/a	**Electric:**	Power Installed
View Quality:	n/a	**Sewer:**	Sewer/Septic Installed
Street Type:	Paved	**Water:**	Water Installed

Warning: Appraisal data provided is for informational purposes only and is incomplete for determination of value.

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Pierce County Assessor-Treasurer ePIP

Parcel Summary for 0420353009

05/24/2011 09:44 AM

Property Details

Parcel Number:	0420353009
Site Address:	2301 23RD AV SE
Account Type:	Real Property
Category:	Land and Improvements
Use Code:	8300-CU FARM & AGRI RCW 84.34 CURRENT USE

Taxpayer Details

Taxpayer Name:	GREELEY GRACE ARDELL
Mailing Address:	11907 240TH ST NE ARLINGTON WA 98223-8593

Appraisal Details

Value Area:	PI5
Appr Acct Type:	Residential
Business Name:	
Last Inspection:	02/23/2006 - Physical Inspection

Tax/Assessment

Property in Foreclosure	
Current Tax Year:	2011
Taxable Value:	1,805
Assessed Value:	351,600

Related Parcels

Group Account Number:	n/a
Mobile/MFG Home and Personal Property parcel(s) located on this parcel:	n/a
Real parcel on which this parcel is located:	n/a

Tax Description

Section 35 Township 20 Range 04 Quarter 31 : W 1/2 OF W 1/2 OF NE OF SW LESS N 30 FT ALSO W 33 FT OF E 1/2 OF W 1/2 OF NE OF SW EASE FOR PIPELI 2255510 CURRENT USE RCW 84.34 1973 AGRI AUD FEE # 2457397

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Pierce County Assessor-Treasurer ePIP

Land Characteristics for 0420353009

05/24/2011 09:45 AM

Property Details		Taxpayer Details	
Parcel Number:	0420353009	**Taxpayer Name:**	GREELEY GRACE ARDELL
Site Address:	2301 23RD AV SE	**Mailing Address:**	11907 240TH ST NE ARLINGTON WA 98223-8593
Account Type:	Real Property		
Category:	Land and Improvements		
Use Code:	8300-CU FARM & AGRI RCW 84.34 CURRENT USE		
Location:		**Size**	
LEA:	090901	**SF:**	469,141
RTSQQ:	04-20-35-31	**Acres:**	10.77
		Front Ft:	0
Amenities		**Utilities**	
WF Type:	n/a	**Electric:**	Power Available
View Quality:	View Lim	**Sewer:**	Sewer/Septic No
Street Type:	Paved	**Water:**	Water Available

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Pierce County Assessor-Treasurer ePIP

Parcel Summary for 0420353027

11/02/2010 04:36 PM

Property Details	
Parcel Number:	0420353027
Site Address:	2301 23RD ST SE
Account Type:	Real Property
Category:	Land and Improvements
Use Code:	8300-CU FARM & AGRI RCW 84.34 CURRENT USE

Taxpayer Details	
Taxpayer Name:	GREELEY GRACE ARDELL
Mailing Address:	25518 133RD AVE NE ARLINGTON WA 98223-6829

address changed 5/24/11 - Sue

Appraisal Details	
Value Area:	PI5
Appr Acct Type:	Residential
Business Name:	
Last Inspection:	03/02/2006 - Physical Inspection

Tax/Assessment	
Current Tax Year:	2011
Taxable Value:	89,590
Assessed Value:	405,000

Related Parcels

Group Account Number:	36250
Mobile/MFG Home and Personal Property parcel(s) located on this parcel:	n/a
Real parcel on which this parcel is located:	n/a

Tax Description

Section 35 Township 20 Range 04 Quarter 34 : PARCEL "D" OF DBLR 95-05-17-0491 DESC AS FOLL COM AT SW COR OF SW TH E ALG S LI SD SW 1974.60 FT TH N 01 DEG 06 MIN 54 SEC W 615.92 FT TO POB TH N 87 DEG 01 MIN 41 SEC W 292.30 FT TH N 61 DEG 33 MIN 32 SEC W 44.88 FT TH N 15 DEG 12 MIN 37 SEC W 219.64 FT TH N 88 DEG 57 MIN 28 SEC W 243.13 FT TH N 00 DEG 48 MIN 44 SEC W 226.43 FT TH N 27 DEG 29 MIN 55 SEC W 143.38 FT TH S 88 DEG 56 MIN 26 SEC E 145.92 FT TH N 28 DEG 41 MIN 48 SEC E 80.82 FT TH N 51 DEG 21 MIN 11 SEC W 132.18 FT TO N LI OF S 1/2 OF SW TH S 89 DEG 22 MIN 06 SEC E ALG SD LI 605.46 FT TH S 01 DEG 06 MIN 54 SEC E 750.69 FT TO POB CURRENT USE RCW 84.34 1973 AGRI AFN 2457397 8.99 ACS SEG F 7515 DC5/29/96JU

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Pierce County Assessor-Treasurer ePIP

Parcel Summary for 0420353009

11/02/2010 04:35 PM

Property Details		Taxpayer Details	
Parcel Number:	0420353009	**Taxpayer Name:**	GREELEY GRACE ARDELL
Site Address:	2301 23RD AV SE	**Mailing Address:**	25518 133RD AVE NE ARLINGTON WA 98223-6829
Account Type:	Real Property		
Category:	Land and Improvements		
Use Code:	8300-CU FARM & AGRI RCW 84.34 CURRENT USE		

change in address 5/24/11 - Sue

Appraisal Details		Tax/Assessment	
Value Area:	PI5	**Current Tax Year:**	2011
Appr Acct Type:	Residential	**Taxable Value:**	1,805
Business Name:		**Assessed Value:**	351,600
Last Inspection:	02/23/2006 - Physical Inspection		

Related Parcels

Group Account Number:	n/a
Mobile/MFG Home and Personal Property parcel(s) located on this parcel:	n/a
Real parcel on which this parcel is located:	n/a

Tax Description

Section 35 Township 20 Range 04 Quarter 31 : W 1/2 OF W 1/2 OF NE OF SW LESS N 30 FT ALSO W 33 FT OF E 1/2 OF W 1/2 OF NE OF SW EASE FOR PIPELI 2255510 CURRENT USE RCW 84.34 1973 AGRI AUD FEE # 2457397

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Pierce County Assessor-Treasurer ePIP

Parcel Summary for 0420353026

05/24/2011 09:45 AM

Property Details

Parcel Number: 0420353026
Site Address: 2100 19TH AV E
Account Type: Real Property
Category: Land and Improvements
Use Code: 1101-SINGLE FAMILY DWELLING

Appraisal Details

Value Area: PI5
Appr Acct Type: Residential
Business Name:
Last Inspection: 07/15/2004 - Board

Taxpayer Details

Taxpayer Name: OTTINGER SHARON A
Mailing Address: 11907 240TH ST NE
ARLINGTON WA 98223-8593

Tax/Assessment

Property in Foreclosure
Current Tax Year: 2011
Taxable Value: 177,200
Assessed Value: 177,200

Related Parcels

Group Account Number: n/a
Mobile/MFG Home and Personal Property parcel(s) located on this parcel: n/a
Real parcel on which this parcel is located: n/a

Tax Description

Section 35 Township 20 Range 04 Quarter 32 : PARCEL "C" 0F DBLR 95-07-17-0491 DESC AS FOLL COM AT SW COR OF SW TH N ALG W LI SD SW 1387.82 FT TO NW COR OF SW OF SW TH E ALG N LI SD SUBD 1260.60 FT TO POB TH CONT E 81.25 FT TH S 51 DEG 21 MIN 11 SEC E 132.18 FT TH S 28 DEG 41 MIN 48 SEC W 80.82 FT TH N 88 DEG 56 MIN 26 SEC W 145.92 FT TH N 151.64 FT TO POB EXC ANY POR LY IN N 30 FT OF SW OF SW DEEDED TO CY OF PUYALLUP BY AFN 1212399 SEG F 7515 DC5/29/96JU

I acknowledge and agree to the prohibitions listed in RCW 42.56.070(9) against releasing and/or using lists of individuals for commercial purposes. Neither Pierce County nor the Assessor-Treasurer warrants the accuracy, reliability or timeliness of any information in this system, and shall not be held liable for losses caused by using this information. Portions of this information may not be current or accurate. Any person or entity who relies on any information obtained from this system does so at their own risk. ***All critical information should be independently verified.***

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Pierce County Assessor-Treasurer ePIP

Land Characteristics for 0420353026

05/24/2011 09:45 AM

Property Details

Parcel Number:	0420353026
Site Address:	2100 19TH AV E
Account Type:	Real Property
Category:	Land and Improvements
Use Code:	1101-SINGLE FAMILY DWELLING

Location:

LEA:	090901
RTSQQ:	04-20-35-32

Amenities

WF Type:	n/a
View Quality:	n/a
Street Type:	Paved

Taxpayer Details

Taxpayer Name:	OTTINGER SHARON A
Mailing Address:	11907 240TH ST NE ARLINGTON WA 98223-8593

Size

SF:	22,528
Acres:	0.52
Front Ft:	0

Utilities

Electric:	Power Installed
Sewer:	Sewer/Septic Installed
Water:	Water Installed

Warning: Appraisal data provided is for informational purposes only and is incomplete for determination of value.

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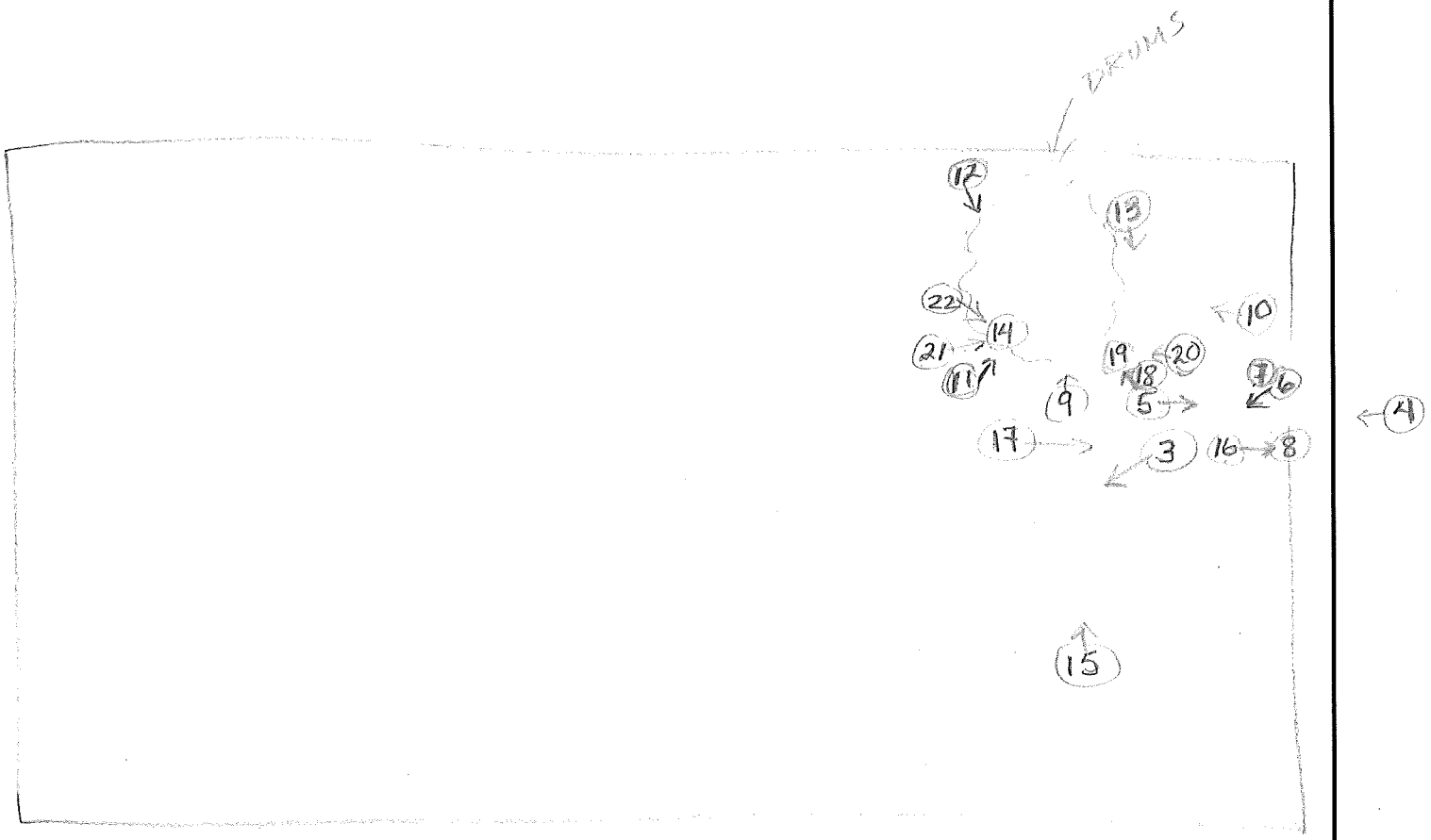
SITE MAP/DIAGRAM

Site Name ERTS 620837, GREELEY PROPERTY (aka Pioneer Museum)



Photos are numbered + shown on this drawing with reference to general location photo was taken from + direction of view. (2)

North

Approximate scale: _____ inch = _____ feet

ERTS Number

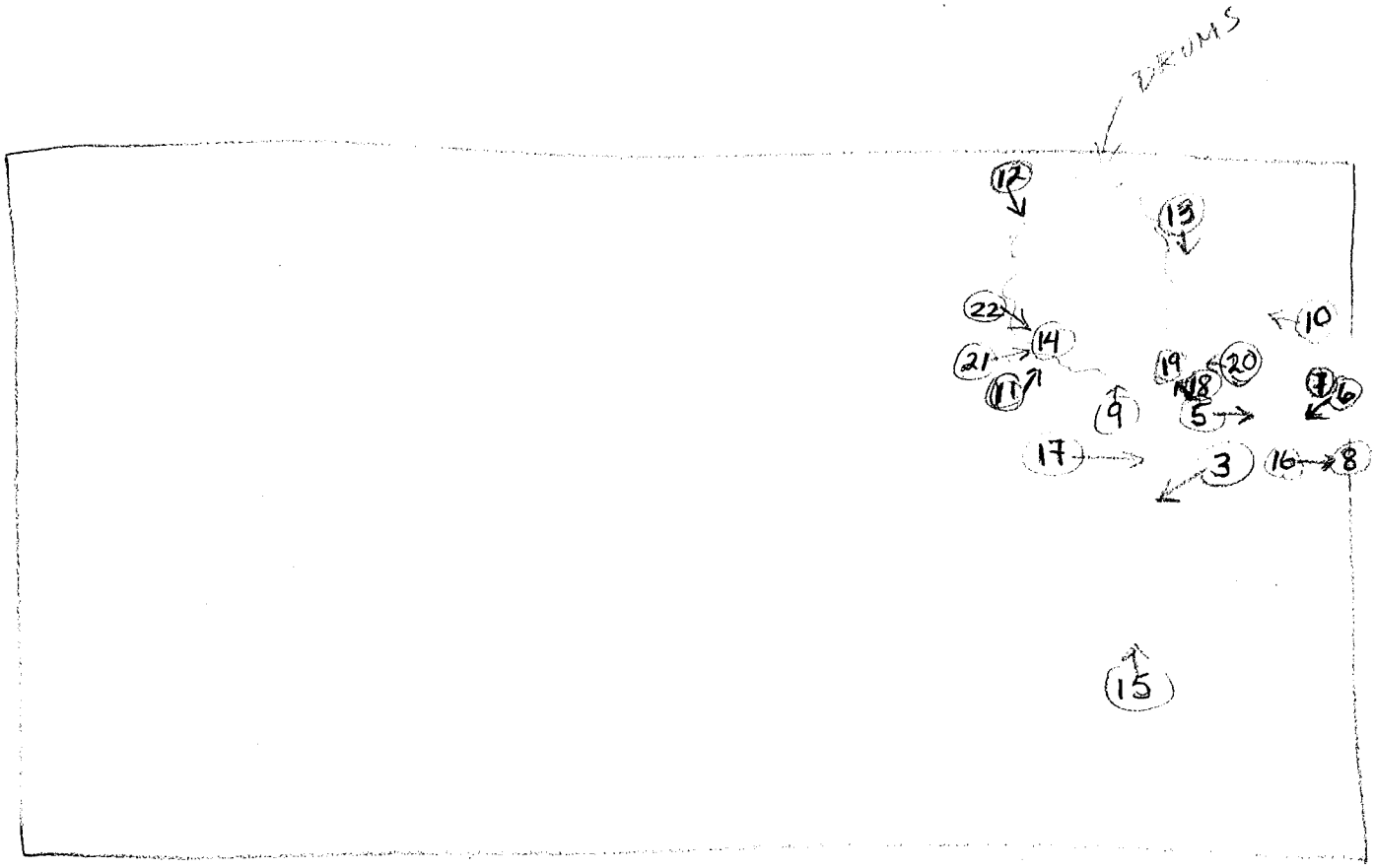
County PIERCE

Inspector S. Beel

Date 5/10/11

SITE MAP/DIAGRAM

Site Name ERTS 620837, GREELEY PROPERTY (aka Pioneer Museum)



Photos are numbered + shown on this drawing with reference to general location photo was taken from + direction of view. (2)

North

Approximate scale: _____ inch = _____ feet

ERTS Number

County PIERCE

Inspector S. Bell

Date 5/10/11

ERTS 620837, Pioneer Museum
Photos taken by S. Bell, 05.10.11

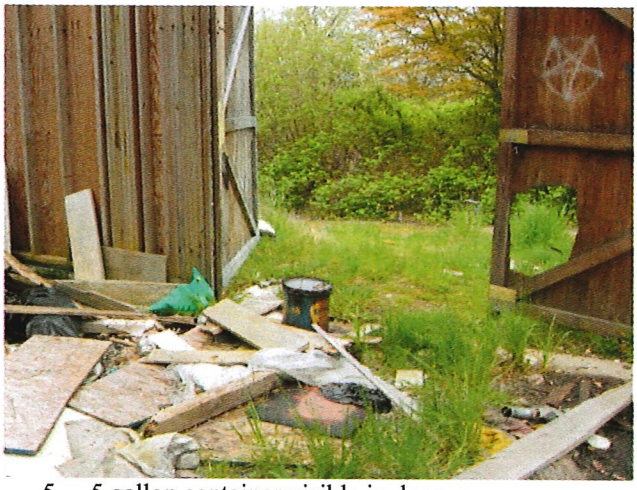
1. Burned house located near the NW corner of the site.

2. Storage building where drums are located.

3. Inside the storage building, view towards the SW corner of the former building footprint.

4. Looking into the doors of the storage building; drums are visible on the right, with a 5 gallon container visible in the entrance. Doors are located on the east side of the building.

ERTS 620837, Pioneer Museum
Photos taken by S. Bell, 05.10.11



5. 5 gallon container visible in doorway

6. Leakage is visible around bottom of container, as well as a heavily stained area to the south (left)..

7. Closeup of leaking 5 gallon container; contents appear to be grease.

8. Closeup of stained area south of drum, on the inside of the doors to the building.

ERTS 620837, Pioneer Museum
Photos taken by S. Bell, 05.10.11

9. Drums stored inside building, view to north

10. Same drums, view towards northwest corner of building.

11. Same drums, view towards northeast corner of building.

12. Same drums, view towards east/southeast; note doors to building in background.

ERTS 620837, Pioneer Museum
Photos taken by S. Bell, 05.10.11

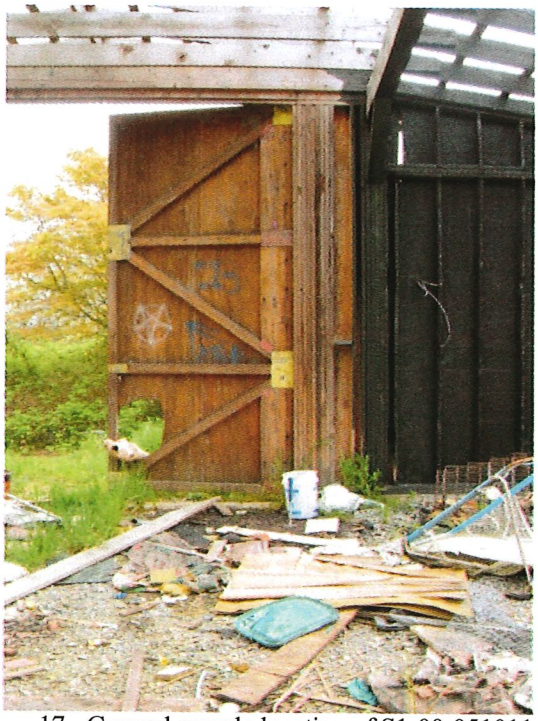
13. Same drums, view along east side of drum storage towards the south; note stained area on ground around drums.

14. Same group of drums; this photo shows a drum with the top cut off, exposed to rain, overflowing, located in the SW corner of the group of drums..

15. Sample locations are noted. View is looking towards the drums from the interior of the building, with the north wall in the background.

16. Sample S1-00-051011 collected near the east wall, and the interior edge of the south door.

ERTS 620837, Pioneer Museum
Photos taken by S. Bell, 05.10.11



17. General sample location of S1-00-051011 indicated by the 5 gallon bucket.

18. Sample location of S2-00-051011, in the stained area adjacent to a leaking drum in the SE corner of the drum group. Note the material hardened on the side of the drum and emanating from a hole now plugged.

19. Photo depicts surface soil held together by sticky material at this location.

20. General sample location for S2-00-051011.

ERTS 620837, Pioneer Museum
Photos taken by S. Bell, 05.10.11

21. General sample location for sample S3-00-051011.

22. Sample location for S3-00-051011.

Sharon Bell

From: Sharon Bell
Sent: Tuesday, November 02, 2010 4:57 PM
To: 'guniagroup@comcast.net'
Subject: Site contamiantion at 2301 23rd Street SE., Puyallup

As I indicated in our telephone conversation, I function as a field agent on behalf of the Washington State Department of Ecology. I received a referral from Ecology to follow up on the warehouse fire, drums, and possible contamination at the subject property in Puyallup. My contact information is below. Please call to schedule a site inspection. Delineation of site contamination and subsequent cleanup will likely be required, but I would like to take a look at the site conditions first.

Sharon Bell
Environmental Health Specialist
Tacoma Pierce County Health Department, MS323
3629 South D Street
Tacoma, WA 98418

Phone: 253/798-2891
Fax: 253/798-6294

Sharon Bell

From: Sharon Bell
Sent: Thursday, November 04, 2010 10:27 AM
To: 'A Advanced Septic'
Subject: RE: Site contamiantion at 2301 23rd Street SE., Puyallup

I do not work outside of normal business hours. I schedule appointments between 9:30 and 3 pm to allow for transit time back and forth to sites. My calendar is currently open anytime Monday through Wednesday of next week, and the same days for the following week.

I do not necessarily need anyone to be there while I inspect the property, so long as I have permission to enter. If it is not convenient for you, or another family member, to meet me at the site , I can convey the necessary information over the phone after inspecting the property.

From: A Advanced Septic [mailto:guniagroup@comcast.net]
Sent: Thursday, November 04, 2010 8:59 AM
To: Sharon Bell
Subject: Re: Site contamiantion at 2301 23rd Street SE., Puyallup

Good morning Sharon, I would love to schedule a time to meet and figure out what the solution is and how to move further ahead. Some of these thing are over our families head and never have been issues till the arson came along. my grandmother had lived on the property most of her life and has very little experience with any of this , so as a family were trying to help her through this with limited financial help. As for my schedule this is our busy season and is very difficult to get off during the week at day light ours the time change may help that this weekend. Do you work on Saturdays ? if so that may be a option if not I may be able to see if i can schedule the time off let me know what works best. Thanks again.

Joshua Gunia,
A Advanced Septic Services, Inc.
253-435-9999 Office
253-579-6769Cell
joshua@guniagroup.com

aadvancedservices.com

"The Guys To Know When You Gotta Go!"

----- Original Message -----
From: "Sharon Bell" <SBell@tpchd.org>
To: "guniagroup@comcast.net" <guniagroup@comcast.net>
Sent: Tuesday, November 2, 2010 4:57:15 PM
Subject: Site contamiantion at 2301 23rd Street SE., Puyallup

As I indicated in our telephone conversation, I function as a field agent on behalf of the Washington State Department of Ecology. I received a referral from Ecology to follow up on the warehouse fire, drums, and possible contamination at the subject property in Puyallup. My contact information is below. Please call to schedule a site inspection. Delineation of site contamination and subsequent cleanup will likely be required, but I would like to take a look at the site conditions first.

Sharon Bell

Environmental Health Specialist
Tacoma Pierce County Health Department, MS323
3629 South D Street
Tacoma, WA 98418

Phone: 253/798-2891
Fax: 253/798-6294

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Sharon Bell

From: Sharon Bell
Sent: Tuesday, November 09, 2010 2:54 PM
To: 'A Advanced Septic'
Subject: RE: Site contamiantion at 2301 23rd Street SE., Puyallup

I have not heard back from you yet about scheduling an inspection time during normal work hours. Do you have availability next week on Monday, Tuesday, or Wednesday?

Sharon Bell

From: A Advanced Septic [mailto:guniagroup@comcast.net]
Sent: Thursday, November 04, 2010 8:59 AM
To: Sharon Bell
Subject: Re: Site contamiantion at 2301 23rd Street SE., Puyallup

Good morning Sharon, I would love to schedule a time to meet and figure out what the solution is and how to move further ahead. Some of these thing are over our families head and never have been issues till the arson came along. my grandmother had lived on the property most of her life and has very little experience with any of this , so as a family were trying to help her through this with limited financial help. As for my schedule this is our busy season and is very difficult to get off during the week at day light ours the time change may help that this weekend. Do you work on Saturdays ? if so that may be a option if not I may be able to see if i can schedule the time off let me know what works best. Thanks again.

Joshua Gunia,
A Advanced Septic Services, Inc.
253-435-9999 Office
253-579-6769Cell
joshua@guniagroup.com

aadvancedservices.com

"The Guys To Know When You Gotta Go!"

----- Original Message -----
From: "Sharon Bell" <SBell@tpchd.org>
To: "guniagroup@comcast.net" <guniagroup@comcast.net>
Sent: Tuesday, November 2, 2010 4:57:15 PM
Subject: Site contamiantion at 2301 23rd Street SE., Puyallup

As I indicated in our telephone conversation, I function as a field agent on behalf of the Washington State Department of Ecology. I received a referral from Ecology to follow up on the warehouse fire, drums, and possible contamination at the subject property in Puyallup. My contact information is below. Please call to schedule a site inspection. Delineation of site contamination and subsequent cleanup will likely be required, but I would like to take a look at the site conditions first.

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Sharon Bell

From: Joshua Gunia [joshua@guniagroup.com]
Sent: Thursday, April 07, 2011 7:56 AM
To: Sharon Bell
Subject: RE: Re-inspection, Pioneer Museum

Good morning Sharon, thank you for the reminder I will call my granny and see what day works best thank you again.

From: SBell@tpchd.org
To: joshua@guniagroup.com
Subject: Re-inspection, Pioneer Museum
Date: Tue, 5 Apr 2011 17:48:26 +0000

Hi Joshua,

I never received a day/time for an appointment to meet with your family and reinspect the Pioneer Museum property. This week is filled in already, please choose a time between 10 am and 3 pm, any day between April 11 and 22nd.

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Sharon Bell

From: Sharon Bell
Sent: Tuesday, May 10, 2011 1:18 PM
To: 'Joshua Gunia'
Subject: Drums at 2301 23rd St. E.

Hi Joshua,

The tarps have blown back on some of the drums, exposing them to the weather and rain accumulation/overflow. I covered up what I could, but a more comprehensive effort is needed. I collected soil samples from three different areas, and will forward the lab results to you when I get them back. It usually takes about two weeks to get the results.

Environmental Health Specialist
Tacoma Pierce County Health Department, MS323
3629 South D Street
Tacoma, WA 98418

Phone: 253/798-2891
Fax: 253/798-6294

Sharon Bell

From: Sharon Bell
Sent: Monday, April 11, 2011 11:18 AM
To: 'Joshua Gunia'
Subject: RE: Re-inspection, Pioneer Museum

Joshua,

I would like to go out to the site either today or tomorrow, before the heavy rains start up again. You do not need to be present, but I do need your permission to access the property. Please let me know if re-inspecting is okay without you. My schedule is starting to fill in for this week and next, so ,let me know soon about setting up an appointment to meet with your family.

From: Joshua Gunia [mailto:joshua@guniagroup.com]
Sent: Thursday, April 07, 2011 7:56 AM
To: Sharon Bell
Subject: RE: Re-inspection, Pioneer Museum

Good morning Sharon, thank you for the reminder I will call my granny and see what day works best thank you again.

From: SBell@tpchd.org
To: joshua@guniagroup.com
Subject: Re-inspection, Pioneer Museum
Date: Tue, 5 Apr 2011 17:48:26 +0000

Hi Joshua,

I never received a day/time for an appointment to meet with your family and reinspect the Pioneer Museum property. This week is filled in already, please choose a time between 10 am and 3 pm, any day between April 11 and 22nd.

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****

Sharon Bell

From: Sharon Bell
Sent: Monday, May 09, 2011 9:50 AM
To: 'A Advanced Septic'
Subject: Site visit, 2301 23rd St SE

Hi Joshua,

Just wanted to let you know that I am planning my sampling time at your family's property tomorrow morning, and should be at the site at 10 am, for 20 to 30 minutes.

Environmental Health Specialist
Tacoma Pierce County Health Department, MS323
3629 South D Street
Tacoma, WA 98418

Phone: 253/798-2891
Fax: 253/798-6294

Sharon Bell

From: Sharon Bell
Sent: Tuesday, May 10, 2011 1:18 PM
To: 'Joshua Gunia'
Subject: Drums at 2301 23rd St. E.

Hi Joshua,

The tarps have blown back on some of the drums, exposing them to the weather and rain accumulation/overflow. I covered up what I could, but a more comprehensive effort is needed. I collected soil samples from three different areas, and will forward the lab results to you when I get them back. It usually takes about two weeks to get the results.

Environmental Health Specialist
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3629 South D Street
Tacoma, WA 98418

Phone: 253/798-2891
Fax: 253/798-6294

Sharon Bell

From: David Baumeister [dbaumeister@onsite-env.com]
Sent: Monday, May 23, 2011 3:14 PM
To: Sharon Bell
Subject: Report for Project 620837
Attachments: 1105-092.pdf

Good afternoon Sharon,

Please call or e-mail me with any questions.

Thank you,
David

Note that we have implemented paperless reporting. If you are in need of a hardcopy of your report or your invoice, please let me know.

David A. Baumeister
Project Manager

OnSite Environmental Inc.

14648 NE 95th Street, Redmond, WA 98052
www.onsite-env.com T: 425-883-3881 Cell: 206-550-2483
dbaumeister@onsite-env.com

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

May 23, 2011

Sharon Bell
Tacoma-Pierce County Health Department
3629 South "D" Street
Tacoma, WA 98418-6813

Re: Analytical Data for Project 620837
Laboratory Reference No. 1105-092

Dear Sharon:

Enclosed are the analytical results and associated quality control data for samples submitted on May 11, 2011.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

Case Narrative

Samples were collected on May 10, 2011 and received by the laboratory on May 11, 2011. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Organochlorine Pesticides by EPA 8081A Analysis

Due to negative effects of the matrix on the instrument, values for 4,4'-DDT and Methoxychlor in the continuing calibration verification standards (CCVs) were low. Therefore, values can be greater than reported. Since the degradation of the CCV standards was reproducible after re-injecting the sample extracts, the CCV degradation problem was attributed to the matrix of these samples.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Semivolatiles EPA 8270D/SIM Analysis

Some MTCA cleanup levels are non-achievable for samples S1-00-051011, S2-00-051011, and S3-00-051011 due to the necessary dilutions of the samples.

Surrogate recovery data is not available for sample S2-00-051011 due to the necessary dilution of the sample coupled with sample matrix effects.

Organophosphorus Pesticides by EPA 8270D/SIM Analysis

The surrogate recovery for Triphenyl phosphate is not available due to sample matrix interference.

NWTPH Gx/BTEX Analysis

Method 5035 VOA vials were not provided for sample S2-00-051011. The sample was therefore extracted from a 4-ounce jar for analysis.

The chromatogram for sample S2-00-051011 is similar to mineral spirits.

Please note that any other QA/QC issues associated with these extractions and analyses will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

NWTPH-HCID
(with acid/silica gel clean-up)

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S1-00-051011**					
Laboratory ID:	05-092-01					
Gasoline Range Organics	**ND**	33	NWTPH-HCID	5-11-11	5-11-11	U1
Diesel Range Organics	**ND**	6800	NWTPH-HCID	5-11-11	5-11-11	U1
Lube Oil	**Detected**	110	NWTPH-HCID	5-11-11	5-11-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*117*	*50-150*				
Client ID:	**S2-00-051011**					
Laboratory ID:	05-092-02					
Gasoline Range Organics	**Detected**	110	NWTPH-HCID	5-11-11	5-12-11	
Diesel Range Organics	**ND**	530	NWTPH-HCID	5-11-11	5-12-11	U1
Lube Oil	**Detected**	540	NWTPH-HCID	5-11-11	5-12-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*121*	*50-150*				
Client ID:	**S3-00-051011**					
Laboratory ID:	05-092-03					
Gasoline Range Organics	**ND**	21	NWTPH-HCID	5-11-11	5-11-11	
Diesel Range Organics	**ND**	5600	NWTPH-HCID	5-11-11	5-11-11	U1
Lube Oil	**Detected**	110	NWTPH-HCID	5-11-11	5-11-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*117*	*50-150*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

NWTPH-HCID
QUALITY CONTROL
(with acid/silica gel clean-up)

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0511S1					
Gasoline Range Organics	**ND**	20	NWTPH-HCID	5-11-11	5-11-11	
Diesel Range Organics	**ND**	50	NWTPH-HCID	5-11-11	5-11-11	
Lube Oil Range Organics	**ND**	100	NWTPH-HCID	5-11-11	5-11-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*118*	*50-150*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S1-00-051011**					
Laboratory ID:	05-092-01					
n-Nitrosodimethylamine	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
Pyridine	**ND**	19	EPA 8270	5-16-11	5-18-11	
Phenol	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
Aniline	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
bis(2-Chloroethyl)ether	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
2-Chlorophenol	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
1,3-Dichlorobenzene	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
1,4-Dichlorobenzene	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
Benzyl alcohol	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
1,2-Dichlorobenzene	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
2-Methylphenol (o-Cresol)	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
bis(2-Chloroisopropyl)ether	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
n-Nitroso-di-n-propylamine	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
Hexachloroethane	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
Nitrobenzene	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
Isophorone	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
2-Nitrophenol	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
2,4-Dimethylphenol	**ND**	19	EPA 8270	5-16-11	5-18-11	
bis(2-Chloroethoxy)methane	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
2,4-Dichlorophenol	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
1,2,4-Trichlorobenzene	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
Naphthalene	**ND**	0.015	EPA 8270/SIM	5-16-11	5-20-11	
4-Chloroaniline	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
Hexachlorobutadiene	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
4-Chloro-3-methylphenol	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
2-Methylnaphthalene	**ND**	0.015	EPA 8270/SIM	5-16-11	5-20-11	
1-Methylnaphthalene	**ND**	0.015	EPA 8270/SIM	5-16-11	5-20-11	
Hexachlorocyclopentadiene	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
2,4,6-Trichlorophenol	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
2,3-Dichloroaniline	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
2,4,5-Trichlorophenol	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
2-Chloronaphthalene	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
2-Nitroaniline	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
1,4-Dinitrobenzene	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
Dimethylphthalate	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
1,3-Dinitrobenzene	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
2,6-Dinitrotoluene	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
1,2-Dinitrobenzene	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
Acenaphthylene	**ND**	0.015	EPA 8270/SIM	5-16-11	5-20-11	
3-Nitroaniline	**ND**	1.9	EPA 8270	5-16-11	5-18-11	

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

SEMIVOLATILES by EPA 8270D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S1-00-051011**					
Laboratory ID:	05-092-01					
2,4-Dinitrophenol	**ND**	9.3	EPA 8270	5-16-11	5-18-11	
Acenaphthene	**0.019**	0.015	EPA 8270/SIM	5-16-11	5-20-11	
4-Nitrophenol	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
2,4-Dinitrotoluene	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
Dibenzofuran	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
2,3,5,6-Tetrachlorophenol	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
2,3,4,6-Tetrachlorophenol	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
Diethylphthalate	**ND**	9.3	EPA 8270	5-16-11	5-18-11	
4-Chlorophenyl-phenylether	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
4-Nitroaniline	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
Fluorene	**ND**	0.015	EPA 8270/SIM	5-16-11	5-20-11	
4,6-Dinitro-2-methylphenol	**ND**	9.3	EPA 8270	5-16-11	5-18-11	
n-Nitrosodiphenylamine	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
1,2-Diphenylhydrazine	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
4-Bromophenyl-phenylether	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
Hexachlorobenzene	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
Pentachlorophenol	**ND**	9.3	EPA 8270	5-16-11	5-18-11	
Phenanthrene	**ND**	0.015	EPA 8270/SIM	5-16-11	5-20-11	
Anthracene	**ND**	0.015	EPA 8270/SIM	5-16-11	5-20-11	
Carbazole	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
Di-n-butylphthalate	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
Fluoranthene	**ND**	0.015	EPA 8270/SIM	5-16-11	5-20-11	
Benzidine	**ND**	19	EPA 8270	5-16-11	5-18-11	
Pyrene	**ND**	0.015	EPA 8270/SIM	5-16-11	5-20-11	
Butylbenzylphthalate	**ND**	19	EPA 8270	5-16-11	5-18-11	
bis-2-Ethylhexyladipate	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
3,3'-Dichlorobenzidine	**ND**	19	EPA 8270	5-16-11	5-18-11	
Benzo[a]anthracene	**ND**	0.015	EPA 8270/SIM	5-16-11	5-20-11	
Chrysene	**ND**	0.015	EPA 8270/SIM	5-16-11	5-20-11	
bis(2-Ethylhexyl)phthalate	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
Di-n-octylphthalate	**ND**	1.9	EPA 8270	5-16-11	5-18-11	
Benzo[b]fluoranthene	**0.029**	0.015	EPA 8270/SIM	5-16-11	5-20-11	
Benzo(j,k)fluoranthene	**0.040**	0.015	EPA 8270/SIM	5-16-11	5-20-11	
Benzo[a]pyrene	**0.13**	0.015	EPA 8270/SIM	5-16-11	5-20-11	
Indeno[1,2,3-cd]pyrene	**ND**	0.015	EPA 8270/SIM	5-16-11	5-20-11	
Dibenz[a,h]anthracene	**ND**	0.015	EPA 8270/SIM	5-16-11	5-20-11	
Benzo[g,h,i]perylene	**ND**	0.015	EPA 8270/SIM	5-16-11	5-20-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*73*	*30 - 97*				
Phenol-d6	*87*	*40 - 104*				
Nitrobenzene-d5	*75*	*35 - 102*				
2-Fluorobiphenyl	*91*	*44 - 97*				
2,4,6-Tribromophenol	*91*	*41 - 110*				
Terphenyl-d14	*86*	*53 - 107*				

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

SEMIVOLATILES by EPA 8270D/SIM
page 1 of 2

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S2-00-051011**					
Laboratory ID:	05-092-02					
n-Nitrosodimethylamine	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
Pyridine	**ND**	36	EPA 8270	5-16-11	5-19-11	
Phenol	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
Aniline	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
bis(2-Chloroethyl)ether	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
2-Chlorophenol	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
1,3-Dichlorobenzene	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
1,4-Dichlorobenzene	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
Benzyl alcohol	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
1,2-Dichlorobenzene	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
2-Methylphenol (o-Cresol)	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
bis(2-Chloroisopropyl)ether	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
n-Nitroso-di-n-propylamine	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
Hexachloroethane	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
Nitrobenzene	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
Isophorone	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
2-Nitrophenol	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
2,4-Dimethylphenol	**ND**	36	EPA 8270	5-16-11	5-19-11	
bis(2-Chloroethoxy)methane	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
2,4-Dichlorophenol	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
1,2,4-Trichlorobenzene	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
Naphthalene	**0.55**	0.036	EPA 8270/SIM	5-16-11	5-20-11	
4-Chloroaniline	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
Hexachlorobutadiene	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
4-Chloro-3-methylphenol	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
2-Methylnaphthalene	**0.095**	0.036	EPA 8270/SIM	5-16-11	5-20-11	
1-Methylnaphthalene	**0.055**	0.036	EPA 8270/SIM	5-16-11	5-20-11	
Hexachlorocyclopentadiene	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
2,4,6-Trichlorophenol	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
2,3-Dichloroaniline	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
2,4,5-Trichlorophenol	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
2-Chloronaphthalene	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
2-Nitroaniline	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
1,4-Dinitrobenzene	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
Dimethylphthalate	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
1,3-Dinitrobenzene	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
2,6-Dinitrotoluene	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
1,2-Dinitrobenzene	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
Acenaphthylene	**ND**	0.036	EPA 8270/SIM	5-16-11	5-20-11	
3-Nitroaniline	**ND**	3.6	EPA 8270	5-16-11	5-19-11	

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S2-00-051011**					
Laboratory ID:	05-092-02					
2,4-Dinitrophenol	**ND**	18	EPA 8270	5-16-11	5-19-11	
Acenaphthene	**ND**	0.036	EPA 8270/SIM	5-16-11	5-20-11	
4-Nitrophenol	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
2,4-Dinitrotoluene	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
Dibenzofuran	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
2,3,5,6-Tetrachlorophenol	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
2,3,4,6-Tetrachlorophenol	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
Diethylphthalate	**ND**	18	EPA 8270	5-16-11	5-19-11	
4-Chlorophenyl-phenylether	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
4-Nitroaniline	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
Fluorene	**ND**	0.036	EPA 8270/SIM	5-16-11	5-20-11	
4,6-Dinitro-2-methylphenol	**ND**	18	EPA 8270	5-16-11	5-19-11	
n-Nitrosodiphenylamine	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
1,2-Diphenylhydrazine	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
4-Bromophenyl-phenylether	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
Hexachlorobenzene	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
Pentachlorophenol	**ND**	18	EPA 8270	5-16-11	5-19-11	
Phenanthrene	**0.060**	0.036	EPA 8270/SIM	5-16-11	5-20-11	
Anthracene	**ND**	0.036	EPA 8270/SIM	5-16-11	5-20-11	
Carbazole	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
Di-n-butylphthalate	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
Fluoranthene	**ND**	0.036	EPA 8270/SIM	5-16-11	5-20-11	
Benzidine	**ND**	36	EPA 8270	5-16-11	5-19-11	
Pyrene	**0.051**	0.036	EPA 8270/SIM	5-16-11	5-20-11	
Butylbenzylphthalate	**ND**	36	EPA 8270	5-16-11	5-19-11	
bis-2-Ethylhexyladipate	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
3,3'-Dichlorobenzidine	**ND**	36	EPA 8270	5-16-11	5-19-11	
Benzo[a]anthracene	**0.076**	0.036	EPA 8270/SIM	5-16-11	5-20-11	
Chrysene	**0.17**	0.036	EPA 8270/SIM	5-16-11	5-20-11	
bis(2-Ethylhexyl)phthalate	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
Di-n-octylphthalate	**ND**	3.6	EPA 8270	5-16-11	5-19-11	
Benzo[b]fluoranthene	**0.037**	0.036	EPA 8270/SIM	5-16-11	5-20-11	
Benzo(j,k)fluoranthene	**ND**	0.036	EPA 8270/SIM	5-16-11	5-20-11	
Benzo[a]pyrene	**0.038**	0.036	EPA 8270/SIM	5-16-11	5-20-11	
Indeno[1,2,3-cd]pyrene	**ND**	0.036	EPA 8270/SIM	5-16-11	5-20-11	
Dibenz[a,h]anthracene	**ND**	0.036	EPA 8270/SIM	5-16-11	5-20-11	
Benzo[g,h,i]perylene	**ND**	0.036	EPA 8270/SIM	5-16-11	5-20-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	.--	*30 - 97*				S
Phenol-d6	.--	*40 - 104*				S
Nitrobenzene-d5	.--	*35 - 102*				S
2-Fluorobiphenyl	.--	*44 - 97*				S
2,4,6-Tribromophenol	.--	*41 - 110*				S
Terphenyl-d14	.--	*53 - 107*				S

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

SEMIVOLATILES by EPA 8270D/SIM
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S3-00-051011**					
Laboratory ID:	05-092-03					
n-Nitrosodimethylamine	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
Pyridine	**ND**	18	EPA 8270	5-16-11	5-19-11	
Phenol	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
Aniline	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
bis(2-Chloroethyl)ether	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
2-Chlorophenol	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
1,3-Dichlorobenzene	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
1,4-Dichlorobenzene	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
Benzyl alcohol	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
1,2-Dichlorobenzene	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
2-Methylphenol (o-Cresol)	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
bis(2-Chloroisopropyl)ether	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
(3+4)-Methylphenol (m,p-Cresol)	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
n-Nitroso-di-n-propylamine	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
Hexachloroethane	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
Nitrobenzene	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
Isophorone	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
2-Nitrophenol	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
2,4-Dimethylphenol	**ND**	18	EPA 8270	5-16-11	5-19-11	
bis(2-Chloroethoxy)methane	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
2,4-Dichlorophenol	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
1,2,4-Trichlorobenzene	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
Naphthalene	**ND**	0.014	EPA 8270/SIM	5-16-11	5-19-11	
4-Chloroaniline	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
Hexachlorobutadiene	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
4-Chloro-3-methylphenol	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
2-Methylnaphthalene	**ND**	0.014	EPA 8270/SIM	5-16-11	5-19-11	
1-Methylnaphthalene	**ND**	0.014	EPA 8270/SIM	5-16-11	5-19-11	
Hexachlorocyclopentadiene	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
2,4,6-Trichlorophenol	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
2,3-Dichloroaniline	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
2,4,5-Trichlorophenol	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
2-Chloronaphthalene	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
2-Nitroaniline	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
1,4-Dinitrobenzene	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
Dimethylphthalate	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
1,3-Dinitrobenzene	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
2,6-Dinitrotoluene	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
1,2-Dinitrobenzene	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
Acenaphthylene	**ND**	0.014	EPA 8270/SIM	5-16-11	5-19-11	
3-Nitroaniline	**ND**	1.8	EPA 8270	5-16-11	5-19-11	

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

SEMIVOLATILES by EPA 8270D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S3-00-051011**					
Laboratory ID:	05-092-03					
2,4-Dinitrophenol	**ND**	8.9	EPA 8270	5-16-11	5-19-11	
Acenaphthene	**0.015**	0.014	EPA 8270/SIM	5-16-11	5-19-11	
4-Nitrophenol	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
2,4-Dinitrotoluene	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
Dibenzofuran	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
2,3,5,6-Tetrachlorophenol	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
2,3,4,6-Tetrachlorophenol	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
Diethylphthalate	**ND**	8.9	EPA 8270	5-16-11	5-19-11	
4-Chlorophenyl-phenylether	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
4-Nitroaniline	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
Fluorene	**ND**	0.014	EPA 8270/SIM	5-16-11	5-19-11	
4,6-Dinitro-2-methylphenol	**ND**	8.9	EPA 8270	5-16-11	5-19-11	
n-Nitrosodiphenylamine	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
1,2-Diphenylhydrazine	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
4-Bromophenyl-phenylether	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
Hexachlorobenzene	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
Pentachlorophenol	**ND**	8.9	EPA 8270	5-16-11	5-19-11	
Phenanthrene	**0.052**	0.014	EPA 8270/SIM	5-16-11	5-19-11	
Anthracene	**ND**	0.014	EPA 8270/SIM	5-16-11	5-19-11	
Carbazole	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
Di-n-butylphthalate	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
Fluoranthene	**ND**	0.014	EPA 8270/SIM	5-16-11	5-19-11	
Benzidine	**ND**	18	EPA 8270	5-16-11	5-19-11	
Pyrene	**ND**	0.014	EPA 8270/SIM	5-16-11	5-19-11	
Butylbenzylphthalate	**ND**	18	EPA 8270	5-16-11	5-19-11	
bis-2-Ethylhexyladipate	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
3,3'-Dichlorobenzidine	**ND**	18	EPA 8270	5-16-11	5-19-11	
Benzo[a]anthracene	**ND**	0.014	EPA 8270/SIM	5-16-11	5-19-11	
Chrysene	**ND**	0.014	EPA 8270/SIM	5-16-11	5-19-11	
bis(2-Ethylhexyl)phthalate	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
Di-n-octylphthalate	**ND**	1.8	EPA 8270	5-16-11	5-19-11	
Benzo[b]fluoranthene	**0.057**	0.014	EPA 8270/SIM	5-16-11	5-19-11	
Benzo(j,k)fluoranthene	**0.23**	0.014	EPA 8270/SIM	5-16-11	5-19-11	
Benzo[a]pyrene	**0.044**	0.014	EPA 8270/SIM	5-16-11	5-19-11	
Indeno[1,2,3-cd]pyrene	**ND**	0.014	EPA 8270/SIM	5-16-11	5-19-11	
Dibenz[a,h]anthracene	**ND**	0.014	EPA 8270/SIM	5-16-11	5-19-11	
Benzo[g,h,i]perylene	**ND**	0.014	EPA 8270/SIM	5-16-11	5-19-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*83*	*30 - 97*				
Phenol-d6	*96*	*40 - 104*				
Nitrobenzene-d5	*94*	*35 - 102*				
2-Fluorobiphenyl	*89*	*44 - 97*				
2,4,6-Tribromophenol	*87*	*41 - 110*				
Terphenyl-d14	*92*	*53 - 107*				

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
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Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0516S3					
n-Nitrosodimethylamine	ND	0.033	EPA 8270	5-16-11	5-17-11	
Pyridine	ND	0.33	EPA 8270	5-16-11	5-17-11	
Phenol	ND	0.033	EPA 8270	5-16-11	5-17-11	
Aniline	ND	0.033	EPA 8270	5-16-11	5-17-11	
bis(2-Chloroethyl)ether	ND	0.033	EPA 8270	5-16-11	5-17-11	
2-Chlorophenol	ND	0.033	EPA 8270	5-16-11	5-17-11	
1,3-Dichlorobenzene	ND	0.033	EPA 8270	5-16-11	5-17-11	
1,4-Dichlorobenzene	ND	0.033	EPA 8270	5-16-11	5-17-11	
Benzyl alcohol	ND	0.033	EPA 8270	5-16-11	5-17-11	
1,2-Dichlorobenzene	ND	0.033	EPA 8270	5-16-11	5-17-11	
2-Methylphenol (o-Cresol)	ND	0.033	EPA 8270	5-16-11	5-17-11	
bis(2-Chloroisopropyl)ether	ND	0.033	EPA 8270	5-16-11	5-17-11	
(3+4)-Methylphenol (m,p-Cresol)	ND	0.033	EPA 8270	5-16-11	5-17-11	
n-Nitroso-di-n-propylamine	ND	0.033	EPA 8270	5-16-11	5-17-11	
Hexachloroethane	ND	0.033	EPA 8270	5-16-11	5-17-11	
Nitrobenzene	ND	0.033	EPA 8270	5-16-11	5-17-11	
Isophorone	ND	0.033	EPA 8270	5-16-11	5-17-11	
2-Nitrophenol	ND	0.033	EPA 8270	5-16-11	5-17-11	
2,4-Dimethylphenol	ND	0.33	EPA 8270	5-16-11	5-17-11	
bis(2-Chloroethoxy)methane	ND	0.033	EPA 8270	5-16-11	5-17-11	
2,4-Dichlorophenol	ND	0.033	EPA 8270	5-16-11	5-17-11	
1,2,4-Trichlorobenzene	ND	0.033	EPA 8270	5-16-11	5-17-11	
Naphthalene	ND	0.0067	EPA 8270/SIM	5-16-11	5-19-11	
4-Chloroaniline	ND	0.033	EPA 8270	5-16-11	5-17-11	
Hexachlorobutadiene	ND	0.033	EPA 8270	5-16-11	5-17-11	
4-Chloro-3-methylphenol	ND	0.033	EPA 8270	5-16-11	5-17-11	
2-Methylnaphthalene	ND	0.0067	EPA 8270/SIM	5-16-11	5-19-11	
1-Methylnaphthalene	ND	0.0067	EPA 8270/SIM	5-16-11	5-19-11	
Hexachlorocyclopentadiene	ND	0.033	EPA 8270	5-16-11	5-17-11	
2,4,6-Trichlorophenol	ND	0.033	EPA 8270	5-16-11	5-17-11	
2,3-Dichloroaniline	ND	0.033	EPA 8270	5-16-11	5-17-11	
2,4,5-Trichlorophenol	ND	0.033	EPA 8270	5-16-11	5-17-11	
2-Chloronaphthalene	ND	0.033	EPA 8270	5-16-11	5-17-11	
2-Nitroaniline	ND	0.033	EPA 8270	5-16-11	5-17-11	
1,4-Dinitrobenzene	ND	0.033	EPA 8270	5-16-11	5-17-11	
Dimethylphthalate	ND	0.033	EPA 8270	5-16-11	5-17-11	
1,3-Dinitrobenzene	ND	0.033	EPA 8270	5-16-11	5-17-11	
2,6-Dinitrotoluene	ND	0.033	EPA 8270	5-16-11	5-17-11	
1,2-Dinitrobenzene	ND	0.033	EPA 8270	5-16-11	5-17-11	
Acenaphthylene	ND	0.0067	EPA 8270/SIM	5-16-11	5-19-11	
3-Nitroaniline	ND	0.033	EPA 8270	5-16-11	5-17-11	

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

SEMIVOLATILES by EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0516S3					
2,4-Dinitrophenol	**ND**	0.17	EPA 8270	5-16-11	5-17-11	
Acenaphthene	**ND**	0.0067	EPA 8270/SIM	5-16-11	5-19-11	
4-Nitrophenol	**ND**	0.033	EPA 8270	5-16-11	5-17-11	
2,4-Dinitrotoluene	**ND**	0.033	EPA 8270	5-16-11	5-17-11	
Dibenzofuran	**ND**	0.033	EPA 8270	5-16-11	5-17-11	
2,3,5,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	5-16-11	5-17-11	
2,3,4,6-Tetrachlorophenol	**ND**	0.033	EPA 8270	5-16-11	5-17-11	
Diethylphthalate	**ND**	0.17	EPA 8270	5-16-11	5-17-11	
4-Chlorophenyl-phenylether	**ND**	0.033	EPA 8270	5-16-11	5-17-11	
4-Nitroaniline	**ND**	0.033	EPA 8270	5-16-11	5-17-11	
Fluorene	**ND**	0.0067	EPA 8270/SIM	5-16-11	5-19-11	
4,6-Dinitro-2-methylphenol	**ND**	0.17	EPA 8270	5-16-11	5-17-11	
n-Nitrosodiphenylamine	**ND**	0.033	EPA 8270	5-16-11	5-17-11	
1,2-Diphenylhydrazine	**ND**	0.033	EPA 8270	5-16-11	5-17-11	
4-Bromophenyl-phenylether	**ND**	0.033	EPA 8270	5-16-11	5-17-11	
Hexachlorobenzene	**ND**	0.033	EPA 8270	5-16-11	5-17-11	
Pentachlorophenol	**ND**	0.17	EPA 8270	5-16-11	5-17-11	
Phenanthrene	**ND**	0.0067	EPA 8270/SIM	5-16-11	5-19-11	
Anthracene	**ND**	0.0067	EPA 8270/SIM	5-16-11	5-19-11	
Carbazole	**ND**	0.033	EPA 8270	5-16-11	5-17-11	
Di-n-butylphthalate	**ND**	0.33	EPA 8270	5-16-11	5-17-11	
Fluoranthene	**ND**	0.0067	EPA 8270/SIM	5-16-11	5-19-11	
Benzidine	**ND**	0.33	EPA 8270	5-16-11	5-17-11	
Pyrene	**ND**	0.0067	EPA 8270/SIM	5-16-11	5-19-11	
Butylbenzylphthalate	**ND**	0.33	EPA 8270	5-16-11	5-17-11	
bis-2-Ethylhexyladipate	**ND**	0.033	EPA 8270	5-16-11	5-17-11	
3,3'-Dichlorobenzidine	**ND**	0.33	EPA 8270	5-16-11	5-17-11	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270/SIM	5-16-11	5-19-11	
Chrysene	**ND**	0.0067	EPA 8270/SIM	5-16-11	5-19-11	
bis(2-Ethylhexyl)phthalate	**ND**	0.033	EPA 8270	5-16-11	5-17-11	
Di-n-octylphthalate	**ND**	0.033	EPA 8270	5-16-11	5-17-11	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270/SIM	5-16-11	5-19-11	
Benzo(j,k)fluoranthene	**ND**	0.0067	EPA 8270/SIM	5-16-11	5-19-11	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270/SIM	5-16-11	5-19-11	
Indeno[1,2,3-cd]pyrene	**ND**	0.0067	EPA 8270/SIM	5-16-11	5-19-11	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270/SIM	5-16-11	5-19-11	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270/SIM	5-16-11	5-19-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorophenol	*58*	*30 - 97*				
Phenol-d6	*64*	*40 - 104*				
Nitrobenzene-d5	*60*	*35 - 102*				
2-Fluorobiphenyl	*66*	*44 - 97*				
2,4,6-Tribromophenol	*71*	*41 - 110*				
Terphenyl-d14	*74*	*53 - 107*				

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

SEMIVOLATILES by EPA 8270D/SIM
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0516S3									
	SB	SBD	SB	SBD	SB	SBD				
Phenol	**0.895**	**1.04**	1.33	1.33	67	78	31 - 111	15	34	
2-Chlorophenol	**0.899**	**1.03**	1.33	1.33	68	77	29 - 112	14	37	
1,4-Dichlorobenzene	**0.421**	**0.488**	0.667	0.667	63	73	24 - 100	15	37	
n-Nitroso-di-n-propylamine	**0.435**	**0.491**	0.667	0.667	65	74	35 - 104	12	32	
1,2,4-Trichlorobenzene	**0.420**	**0.472**	0.667	0.667	63	71	29 - 94	12	35	
4-Chloro-3-methylphenol	**0.967**	**1.06**	1.33	1.33	73	80	53 - 104	9	25	
Acenaphthene	**0.462**	**0.505**	0.667	0.667	69	76	50 - 95	9	23	
4-Nitrophenol	**1.06**	**1.14**	1.33	1.33	80	86	42 - 126	7	30	
2,4-Dinitrotoluene	**0.496**	**0.565**	0.667	0.667	74	85	53 - 103	13	31	
Pentachlorophenol	**0.971**	**1.06**	1.33	1.33	73	80	50 - 116	9	30	
Pyrene	**0.495**	**0.531**	0.667	0.667	74	80	57 - 108	7	27	
Surrogate:										
2-Fluorophenol					*62*	*71*	*30 - 97*			
Phenol-d6					*69*	*80*	*40 - 104*			
Nitrobenzene-d5					*70*	*77*	*35 - 102*			
2-Fluorobiphenyl					*72*	*76*	*44 - 97*			
2,4,6-Tribromophenol					*74*	*80*	*41 - 110*			
Terphenyl-d14					*75*	*81*	*53 - 107*			

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

PCBs by EPA 8082

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S1-00-051011**					
Laboratory ID:	05-092-01					
Aroclor 1016	**ND**	0.056	EPA 8082	5-11-11	5-12-11	
Aroclor 1221	**ND**	0.056	EPA 8082	5-11-11	5-12-11	
Aroclor 1232	**ND**	0.056	EPA 8082	5-11-11	5-12-11	
Aroclor 1242	**ND**	0.056	EPA 8082	5-11-11	5-12-11	
Aroclor 1248	**ND**	0.056	EPA 8082	5-11-11	5-12-11	
Aroclor 1254	**ND**	0.056	EPA 8082	5-11-11	5-12-11	
Aroclor 1260	**ND**	0.056	EPA 8082	5-11-11	5-12-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*72*	*42-123*				
Client ID:	**S2-00-051011**					
Laboratory ID:	05-092-02					
Aroclor 1016	**ND**	0.054	EPA 8082	5-11-11	5-12-11	
Aroclor 1221	**ND**	0.054	EPA 8082	5-11-11	5-12-11	
Aroclor 1232	**ND**	0.054	EPA 8082	5-11-11	5-12-11	
Aroclor 1242	**ND**	0.054	EPA 8082	5-11-11	5-12-11	
Aroclor 1248	**ND**	0.054	EPA 8082	5-11-11	5-12-11	
Aroclor 1254	**ND**	0.054	EPA 8082	5-11-11	5-12-11	
Aroclor 1260	**ND**	0.054	EPA 8082	5-11-11	5-12-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*71*	*42-123*				
Client ID:	**S3-00-051011**					
Laboratory ID:	05-092-03					
Aroclor 1016	**ND**	0.053	EPA 8082	5-11-11	5-12-11	
Aroclor 1221	**ND**	0.053	EPA 8082	5-11-11	5-12-11	
Aroclor 1232	**ND**	0.053	EPA 8082	5-11-11	5-12-11	
Aroclor 1242	**ND**	0.053	EPA 8082	5-11-11	5-12-11	
Aroclor 1248	**ND**	0.053	EPA 8082	5-11-11	5-12-11	
Aroclor 1254	**ND**	0.053	EPA 8082	5-11-11	5-12-11	
Aroclor 1260	**ND**	0.053	EPA 8082	5-11-11	5-12-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*75*	*42-123*				

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

PCBs by EPA 8082
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0511S1					
Aroclor 1016	**ND**	0.050	EPA 8082	5-11-11	5-12-11	
Aroclor 1221	**ND**	0.050	EPA 8082	5-11-11	5-12-11	
Aroclor 1232	**ND**	0.050	EPA 8082	5-11-11	5-12-11	
Aroclor 1242	**ND**	0.050	EPA 8082	5-11-11	5-12-11	
Aroclor 1248	**ND**	0.050	EPA 8082	5-11-11	5-12-11	
Aroclor 1254	**ND**	0.050	EPA 8082	5-11-11	5-12-11	
Aroclor 1260	**ND**	0.050	EPA 8082	5-11-11	5-12-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*81*	*42-123*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	05-078-01										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.468**	**0.461**	0.500	0.500	ND	**94**	**92**	44-125	2	15	
Surrogate:											
DCB						*77*	*75*	*42-123*			

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

ORGANOCHLORINE PESTICIDES by EPA 8081A

Matrix: Soil
Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S1-00-051011**					
Laboratory ID:	05-092-01					
alpha-BHC	**ND**	5.6	EPA 8081	5-12-11	5-13-11	
gamma-BHC	**ND**	5.6	EPA 8081	5-12-11	5-13-11	
beta-BHC	**10**	5.6	EPA 8081	5-12-11	5-13-11	P
delta-BHC	**ND**	5.6	EPA 8081	5-12-11	5-13-11	
Heptachlor	**ND**	5.6	EPA 8081	5-12-11	5-13-11	
Aldrin	**ND**	5.6	EPA 8081	5-12-11	5-13-11	
Heptachlor Epoxide	**ND**	5.6	EPA 8081	5-12-11	5-13-11	
gamma-Chlordane	**ND**	11	EPA 8081	5-12-11	5-13-11	
alpha-Chlordane	**ND**	11	EPA 8081	5-12-11	5-13-11	
4,4'-DDE	**ND**	11	EPA 8081	5-12-11	5-13-11	
Endosulfan I	**ND**	5.6	EPA 8081	5-12-11	5-13-11	
Dieldrin	**ND**	11	EPA 8081	5-12-11	5-13-11	
Endrin	**ND**	11	EPA 8081	5-12-11	5-13-11	
4,4'-DDD	**ND**	11	EPA 8081	5-12-11	5-13-11	
Endosulfan II	**ND**	11	EPA 8081	5-12-11	5-13-11	
4,4'-DDT	**ND**	11	EPA 8081	5-12-11	5-13-11	
Endrin Aldehyde	**ND**	11	EPA 8081	5-12-11	5-13-11	
Methoxychlor	**19**	11	EPA 8081	5-12-11	5-13-11	P
Endosulfan Sulfate	**ND**	11	EPA 8081	5-12-11	5-13-11	
Endrin Ketone	**ND**	11	EPA 8081	5-12-11	5-13-11	
Toxaphene	**ND**	56	EPA 8081	5-12-11	5-13-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*74*	*30-111*				
DCB	*64*	*33-119*				

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

ORGANOCHLORINE PESTICIDES by EPA 8081A METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0512S1					
alpha-BHC	**ND**	5.0	EPA 8081	5-12-11	5-13-11	
gamma-BHC	**ND**	5.0	EPA 8081	5-12-11	5-13-11	
beta-BHC	**ND**	5.0	EPA 8081	5-12-11	5-13-11	
delta-BHC	**ND**	5.0	EPA 8081	5-12-11	5-13-11	
Heptachlor	**ND**	5.0	EPA 8081	5-12-11	5-13-11	
Aldrin	**ND**	5.0	EPA 8081	5-12-11	5-13-11	
Heptachlor Epoxide	**ND**	5.0	EPA 8081	5-12-11	5-13-11	
gamma-Chlordane	**ND**	10	EPA 8081	5-12-11	5-13-11	
alpha-Chlordane	**ND**	10	EPA 8081	5-12-11	5-13-11	
4,4'-DDE	**ND**	10	EPA 8081	5-12-11	5-13-11	
Endosulfan I	**ND**	5.0	EPA 8081	5-12-11	5-13-11	
Dieldrin	**ND**	10	EPA 8081	5-12-11	5-13-11	
Endrin	**ND**	10	EPA 8081	5-12-11	5-13-11	
4,4'-DDD	**ND**	10	EPA 8081	5-12-11	5-13-11	
Endosulfan II	**ND**	10	EPA 8081	5-12-11	5-13-11	
4,4'-DDT	**ND**	10	EPA 8081	5-12-11	5-13-11	
Endrin Aldehyde	**ND**	10	EPA 8081	5-12-11	5-13-11	
Methoxychlor	**ND**	10	EPA 8081	5-12-11	5-13-11	
Endosulfan Sulfate	**ND**	10	EPA 8081	5-12-11	5-13-11	
Endrin Ketone	**ND**	10	EPA 8081	5-12-11	5-13-11	
Toxaphene	**ND**	50	EPA 8081	5-12-11	5-13-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
TCMX	*83*	*30-111*				
DCB	*81*	*33-119*				

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

ORGANOCHLORINE PESTICIDES by EPA 8081A
MS/MSD QUALITY CONTROL

Matrix: Soil
Units: ug/Kg (ppb)

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	05-092-01										
	MS	MSD	MS	MSD		MS	MSD				
gamma-BHC	**33.4**	**34.6**	50.0	50.0	ND	**67**	**69**	32-96	4	10	
Heptachlor	**33.8**	**35.0**	50.0	50.0	ND	**68**	**70**	29-101	3	13	
Aldrin	**37.4**	**36.1**	50.0	50.0	ND	**75**	**72**	27-99	4	10	
Dieldrin	**90.3**	**93.3**	125	125	ND	**72**	**75**	33-92	3	10	
Endrin	**90.0**	**91.8**	125	125	ND	**72**	**73**	29-101	2	11	
4,4'-DDT	**84.6**	**83.6**	125	125	ND	**68**	**67**	21-114	1	15	
Surrogate:											
TCMX						*77*	*84*	*30-111*			
DCB						*73*	*78*	*33-119*			

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

CHLORINATED ACID HERBICIDES by EPA 8151A

Matrix: Soil
Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S1-00-051011**					
Laboratory ID:	05-092-01					
Dalapon	**ND**	260	EPA 8151	5-12-11	5-19-11	
Dicamba	**ND**	11	EPA 8151	5-12-11	5-19-11	
MCPP	**36000**	10000	EPA 8151	5-12-11	5-19-11	
MCPA	**15000**	10000	EPA 8151	5-12-11	5-19-11	P
Dichlorprop	**1100**	790	EPA 8151	5-12-11	5-19-11	
2,4-D	**ND**	11	EPA 8151	5-12-11	5-19-11	
Pentachlorophenol	**3.5**	1.1	EPA 8151	5-12-11	5-19-11	P
2,4,5-TP (Silvex)	**94**	11	EPA 8151	5-12-11	5-19-11	
2,4,5-T	**ND**	11	EPA 8151	5-12-11	5-19-11	
2,4-DB	**37**	11	EPA 8151	5-12-11	5-19-11	
Dinoseb	**11**	11	EPA 8151	5-12-11	5-19-11	P
Surrogate:	*Percent Recovery*	*Control Limits*				
DCAA	*57*	*30-96*				

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

CHLORINATED ACID HERBICIDES by EPA 8151A QUALITY CONTROL

Matrix: Soil
Units: ug/Kg (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0512S1					
Dalapon	**ND**	230	EPA 8151	5-12-11	5-18-11	
Dicamba	**ND**	9.4	EPA 8151	5-12-11	5-18-11	
MCPP	**ND**	940	EPA 8151	5-12-11	5-18-11	
MCPA	**ND**	940	EPA 8151	5-12-11	5-18-11	
Dichlorprop	**ND**	71	EPA 8151	5-12-11	5-18-11	
2,4-D	**ND**	9.4	EPA 8151	5-12-11	5-18-11	
Pentachlorophenol	**ND**	0.95	EPA 8151	5-12-11	5-18-11	
2,4,5-TP (Silvex)	**ND**	9.5	EPA 8151	5-12-11	5-18-11	
2,4,5-T	**ND**	9.5	EPA 8151	5-12-11	5-18-11	
2,4-DB	**ND**	9.5	EPA 8151	5-12-11	5-18-11	
Dinoseb	**ND**	9.5	EPA 8151	5-12-11	5-18-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCAA	*47*	*30-96*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	05-092-01										
	MS	MSD	MS	MSD		MS	MSD				
Dicamba	**60.4**	**58.1**	100	100	ND	**60**	**58**	25-101	4	30	
2,4-D	**49.5**	**54.7**	100	100	ND	**49**	**55**	25-84	10	28	
Pentachlorophenol	**7.52**	**7.79**	10.0	10.0	3.13	**44**	**47**	27-96	4	26	
2,4,5-T	**53.0**	**54.0**	100	100	ND	**53**	**54**	25-94	2	20	
2,4-DB	**67.2**	**76.0**	100	100	33.4	**34**	**43**	25-117	12	27	
Surrogate:											
DCAA						*79*	*56*	*30-96*			

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	05-092-01					
Client ID:	**S1-00-051011**					
Arsenic	**ND**	11	6010B	5-13-11	5-13-11	
Barium	**210**	2.8	6010B	5-13-11	5-13-11	
Cadmium	**ND**	0.56	6010B	5-13-11	5-13-11	
Chromium	**25**	0.56	6010B	5-13-11	5-13-11	
Lead	**79**	5.6	6010B	5-13-11	5-13-11	
Mercury	**ND**	0.28	7471A	5-11-11	5-11-11	
Selenium	**ND**	11	6010B	5-13-11	5-13-11	
Silver	**ND**	0.56	6010B	5-13-11	5-13-11	
Lab ID:	05-092-02					
Client ID:	**S2-00-051011**					
Arsenic	**ND**	11	6010B	5-13-11	5-13-11	
Barium	**130**	2.7	6010B	5-13-11	5-13-11	
Cadmium	**ND**	0.54	6010B	5-13-11	5-13-11	
Chromium	**28**	0.54	6010B	5-13-11	5-13-11	
Lead	**13**	5.4	6010B	5-13-11	5-13-11	
Mercury	**ND**	0.27	7471A	5-11-11	5-11-11	
Selenium	**ND**	11	6010B	5-13-11	5-13-11	
Silver	**ND**	0.54	6010B	5-13-11	5-13-11	

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

TOTAL METALS
EPA 6010B/7471A

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	05-092-03					
Client ID:	**S3-00-051011**					
Arsenic	**ND**	11	6010B	5-13-11	5-13-11	
Barium	**91**	2.7	6010B	5-13-11	5-13-11	
Cadmium	**ND**	0.53	6010B	5-13-11	5-13-11	
Chromium	**18**	0.53	6010B	5-13-11	5-13-11	
Lead	**10**	5.3	6010B	5-13-11	5-13-11	
Mercury	**ND**	0.27	7471A	5-11-11	5-11-11	
Selenium	**ND**	11	6010B	5-13-11	5-13-11	
Silver	**ND**	0.53	6010B	5-13-11	5-13-11	

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

TOTAL METALS
EPA 6010B
METHOD BLANK QUALITY CONTROL

Date Extracted:	5-13-11
Date Analyzed:	5-13-11
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB0513S1

Analyte	Method	Result	PQL
Arsenic	6010B	**ND**	10
Barium	6010B	**ND**	2.5
Cadmium	6010B	**ND**	0.50
Chromium	6010B	**ND**	0.50
Lead	6010B	**ND**	5.0
Selenium	6010B	**ND**	10
Silver	6010B	**ND**	0.50

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and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

TOTAL MERCURY
EPA 7471A
METHOD BLANK QUALITY CONTROL

Date Extracted:	5-11-11
Date Analyzed:	5-11-11
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB0511S1

Analyte	Method	Result	PQL
Mercury	7471A	**ND**	0.25

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

TOTAL METALS
EPA 6010B
DUPLICATE QUALITY CONTROL

Date Extracted: 5-13-11
Date Analyzed: 5-13-11

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 05-090-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Barium	**67.1**	**71.8**	7	2.5	
Cadmium	**ND**	**ND**	NA	0.50	
Chromium	**40.5**	**43.0**	6	0.50	
Lead	**9.79**	**9.83**	0	5.0	
Selenium	**ND**	**ND**	NA	10	
Silver	**ND**	**ND**	NA	0.50	

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

TOTAL MERCURY
EPA 7471A
DUPLICATE QUALITY CONTROL

Date Extracted: 5-11-11
Date Analyzed: 5-11-11

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 05-081-13

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Mercury	**ND**	**ND**	NA	0.25	

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

TOTAL METALS
EPA 6010B
MS/MSD QUALITY CONTROL

Date Extracted: 5-13-11
Date Analyzed: 5-13-11

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 05-090-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**92.6**	93	**92.8**	93	0	
Barium	100	**176**	109	**168**	101	5	
Cadmium	50.0	**48.4**	97	**47.6**	95	2	
Chromium	100	**137**	97	**132**	92	4	
Lead	250	**240**	92	**237**	91	1	
Selenium	100	**96.0**	96	**94.9**	95	1	
Silver	25.0	**22.3**	89	**22.0**	88	2	

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

TOTAL MERCURY
EPA 7471A
MS/MSD QUALITY CONTROL

Date Extracted: 5-11-11
Date Analyzed: 5-11-11

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 05-081-13

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Mercury	**ND**	**ND**	NA	0.25	

This report pertains to the samples analyzed in accordance with the chain of custody,
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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

ORGANOPHOSPHORUS PESTICIDES by EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S1-00-051011**					
Laboratory ID:	05-092-01					
Dichlorvos(DDVP)	**ND**	0.22	EPA 8270/SIM	5-16-11	5-17-11	
Mevinphos/Phosdrin	**ND**	0.22	EPA 8270/SIM	5-16-11	5-17-11	
Ethoprophos	**ND**	0.56	EPA 8270/SIM	5-16-11	5-17-11	
Monocrotophos	**ND**	0.56	EPA 8270/SIM	5-16-11	5-17-11	
Naled	**ND**	0.56	EPA 8270/SIM	5-16-11	5-17-11	
Sulfotepp	**ND**	0.22	EPA 8270/SIM	5-16-11	5-17-11	
Phorate	**ND**	0.22	EPA 8270/SIM	5-16-11	5-17-11	
Dimethoate	**ND**	0.22	EPA 8270/SIM	5-16-11	5-17-11	
Demeton-S	**ND**	0.22	EPA 8270/SIM	5-16-11	5-17-11	
Diazinon	**ND**	0.22	EPA 8270/SIM	5-16-11	5-17-11	
Disulfoton	**ND**	0.22	EPA 8270/SIM	5-16-11	5-17-11	
Parathion-methyl	**ND**	0.22	EPA 8270/SIM	5-16-11	5-17-11	
Fenchlorphos/Ronnel	**ND**	0.22	EPA 8270/SIM	5-16-11	5-17-11	
Malathion	**ND**	0.22	EPA 8270/SIM	5-16-11	5-17-11	
Fenthion	**ND**	0.22	EPA 8270/SIM	5-16-11	5-17-11	
Parathion-ethyl	**ND**	0.22	EPA 8270/SIM	5-16-11	5-17-11	
Chlorpyrifos/Dursban	**ND**	0.22	EPA 8270/SIM	5-16-11	5-17-11	
Trichloronate	**ND**	0.22	EPA 8270/SIM	5-16-11	5-17-11	
Merphos&Merphos-oxone	**ND**	0.56	EPA 8270/SIM	5-16-11	5-17-11	
Stirofos/Tetrachlorvinphos	**ND**	0.22	EPA 8270/SIM	5-16-11	5-17-11	
Tokuthion/Prothiofos	**ND**	0.22	EPA 8270/SIM	5-16-11	5-17-11	
Fensulfothion	**ND**	0.56	EPA 8270/SIM	5-16-11	5-17-11	
Bolstar/Sulprofos	**ND**	0.22	EPA 8270/SIM	5-16-11	5-17-11	
EPN	**ND**	0.22	EPA 8270/SIM	5-16-11	5-17-11	
Azinphos-methyl/Guthion	**ND**	0.22	EPA 8270/SIM	5-16-11	5-17-11	
Coumaphos	**ND**	0.22	EPA 8270/SIM	5-16-11	5-17-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Tributyl phosphate	*106*	*28 - 109*				
Triphenyl phosphate	*.--*	*37 - 118*				F

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

ORGANOPHOSPHORUS PESTICIDES by EPA 8270D/SIM METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0516S1					
Dichlorvos(DDVP)	**ND**	0.020	EPA 8270/SIM	5-16-11	5-16-11	
Mevinphos/Phosdrin	**ND**	0.020	EPA 8270/SIM	5-16-11	5-16-11	
Ethoprophos	**ND**	0.050	EPA 8270/SIM	5-16-11	5-16-11	
Monocrotophos	**ND**	0.050	EPA 8270/SIM	5-16-11	5-16-11	
Naled	**ND**	0.050	EPA 8270/SIM	5-16-11	5-16-11	
Sulfotepp	**ND**	0.020	EPA 8270/SIM	5-16-11	5-16-11	
Phorate	**ND**	0.020	EPA 8270/SIM	5-16-11	5-16-11	
Dimethoate	**ND**	0.020	EPA 8270/SIM	5-16-11	5-16-11	
Demeton-S	**ND**	0.020	EPA 8270/SIM	5-16-11	5-16-11	
Diazinon	**ND**	0.020	EPA 8270/SIM	5-16-11	5-16-11	
Disulfoton	**ND**	0.020	EPA 8270/SIM	5-16-11	5-16-11	
Parathion-methyl	**ND**	0.020	EPA 8270/SIM	5-16-11	5-16-11	
Fenchlorphos/Ronnel	**ND**	0.020	EPA 8270/SIM	5-16-11	5-16-11	
Malathion	**ND**	0.020	EPA 8270/SIM	5-16-11	5-16-11	
Fenthion	**ND**	0.020	EPA 8270/SIM	5-16-11	5-16-11	
Parathion-ethyl	**ND**	0.020	EPA 8270/SIM	5-16-11	5-16-11	
Chlorpyrifos/Dursban	**ND**	0.020	EPA 8270/SIM	5-16-11	5-16-11	
Trichloronate	**ND**	0.020	EPA 8270/SIM	5-16-11	5-16-11	
Merphos&Merphos-oxone	**ND**	0.050	EPA 8270/SIM	5-16-11	5-16-11	
Stirofos/Tetrachlorvinphos	**ND**	0.020	EPA 8270/SIM	5-16-11	5-16-11	
Tokuthion/Prothiofos	**ND**	0.020	EPA 8270/SIM	5-16-11	5-16-11	
Fensulfothion	**ND**	0.050	EPA 8270/SIM	5-16-11	5-16-11	
Bolstar/Sulprofos	**ND**	0.020	EPA 8270/SIM	5-16-11	5-16-11	
EPN	**ND**	0.020	EPA 8270/SIM	5-16-11	5-16-11	
Azinphos-methyl/Guthion	**ND**	0.020	EPA 8270/SIM	5-16-11	5-16-11	
Coumaphos	**ND**	0.020	EPA 8270/SIM	5-16-11	5-16-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Tributyl phosphate	*65*	*28 - 109*				
Triphenyl phosphate	*80*	*37 - 118*				

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

ORGANOPHOSPHORUS PESTICIDES by EPA 8270D/SIM SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0516S1									
	SB	SBD	SB	SBD	SB	SBD				
Dichlorvos(DDVP)	**0.0585**	**0.0612**	0.100	0.100	59	61	45 - 110	5	30	
Mevinphos/Phosdrin	**0.0543**	**0.0590**	0.100	0.100	54	59	50 - 110	8	30	
Ethoprophos	**0.0741**	**0.0817**	0.100	0.100	74	82	50 - 110	10	30	
Sulfotepp	**0.0798**	**0.0856**	0.100	0.100	80	86	45 - 110	7	30	
Phorate	**0.0784**	**0.0849**	0.100	0.100	78	85	50 - 110	8	30	
Dimethoate	**0.0780**	**0.0863**	0.100	0.100	78	86	50 - 110	10	30	
Demeton-S	**0.0713**	**0.0813**	0.100	0.100	71	81	45 - 110	13	30	
Diazinon	**0.0739**	**0.0814**	0.100	0.100	74	81	50 - 110	10	30	
Disulfoton	**0.0790**	**0.0865**	0.100	0.100	79	87	50 - 110	9	30	
Parathion-methyl	**0.0708**	**0.0803**	0.100	0.100	71	80	60 - 120	13	30	
Fenchlorphos/Ronnel	**0.0879**	**0.0963**	0.100	0.100	88	96	50 - 110	9	30	
Malathion	**0.109**	**0.119**	0.100	0.100	109	119	50 - 120	9	30	
Fenthion	**0.0872**	**0.0949**	0.100	0.100	87	95	50 - 110	8	30	
Parathion-ethyl	**0.0679**	**0.0767**	0.100	0.100	68	77	45 - 110	12	30	
Chlorpyrifos/Dursban	**0.0850**	**0.0919**	0.100	0.100	85	92	50 - 110	8	30	
Trichloronate	**0.0872**	**0.0930**	0.100	0.100	87	93	50 - 110	6	30	
Stirofos/Tetrachlorvinphos	**0.139**	**0.153**	0.100	0.100	139	153	80 - 160	10	30	
Tokuthion/Prothiofos	**0.0790**	**0.0880**	0.100	0.100	79	88	50 - 110	11	30	
Fensulfothion	**0.0801**	**0.0965**	0.100	0.100	80	97	45 - 110	19	30	
Bolstar/Sulprofos	**0.0817**	**0.0919**	0.100	0.100	82	92	50 - 110	12	30	
EPN	**0.0700**	**0.0792**	0.100	0.100	70	79	50 - 110	12	30	
Azinphos-methyl/Guthion	**0.127**	**0.139**	0.100	0.100	127	139	70 - 140	9	30	
Coumaphos	**0.0728**	**0.0860**	0.100	0.100	73	86	60 - 120	17	30	
Surrogate:										
Tributyl phosphate					*68*	*71*	*28 - 109*			
Triphenyl phosphate					*78*	*86*	*37 - 118*			

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

NWTPH-Gx/BTEX

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S2-00-051011**					
Laboratory ID:	05-092-02					
Benzene	**ND**	0.023	EPA 8021	5-13-11	5-16-11	
Toluene	**0.60**	0.12	EPA 8021	5-13-11	5-16-11	
Ethyl Benzene	**27**	2.9	EPA 8021	5-13-11	5-17-11	
m,p-Xylene	**180**	2.9	EPA 8021	5-13-11	5-17-11	
o-Xylene	**31**	2.9	EPA 8021	5-13-11	5-17-11	
Gasoline	**1900**	290	NWTPH-Gx	5-13-11	5-17-11	Z
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*92*	*68-124*				

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

NWTPH-Gx/BTEX
QUALITY CONTROL

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0513S2					
Benzene	**ND**	0.020	EPA 8021	5-13-11	5-13-11	
Toluene	**ND**	0.050	EPA 8021	5-13-11	5-13-11	
Ethyl Benzene	**ND**	0.050	EPA 8021	5-13-11	5-13-11	
m,p-Xylene	**ND**	0.050	EPA 8021	5-13-11	5-13-11	
o-Xylene	**ND**	0.050	EPA 8021	5-13-11	5-13-11	
Gasoline	**ND**	5.0	NWTPH-Gx	5-13-11	5-13-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*91*	*68-124*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	05-094-20										
	ORIG	DUP									
Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Toluene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Ethyl Benzene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
m,p-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
o-Xylene	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*110*	*104*	*68-124*			
SPIKE BLANKS											
Laboratory ID:	SB0513S1										
	SB	SBD	SB	SBD		SB	SBD				
Benzene	**1.02**	**0.986**	1.00	1.00		**102**	**99**	77-114	3	9	
Toluene	**1.07**	**1.05**	1.00	1.00		**107**	**105**	80-115	2	9	
Ethyl Benzene	**1.13**	**1.12**	1.00	1.00		**113**	**112**	80-118	1	9	
m,p-Xylene	**1.01**	**0.993**	1.00	1.00		**101**	**99**	82-118	2	9	
o-Xylene	**1.00**	**0.970**	1.00	1.00		**100**	**97**	82-116	3	9	
Surrogate:											
Fluorobenzene						*93*	*89*	*68-124*			

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

NWTPH-Dx
(with acid/silica gel clean-up)

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**S1-00-051011**					
Laboratory ID:	05-092-01					
Diesel Range Organics	**ND**	12000	NWTPH-Dx	5-18-11	5-18-11	U1
Lube Oil	**37000**	1100	NWTPH-Dx	5-18-11	5-18-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*129*	*50-150*				
Client ID:	**S2-00-051011**					
Laboratory ID:	05-092-02					
Diesel Range Organics	**ND**	540	NWTPH-Dx	5-18-11	5-18-11	
Lube Oil	**3100**	1100	NWTPH-Dx	5-18-11	5-18-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*107*	*50-150*				
Client ID:	**S3-00-051011**					
Laboratory ID:	05-092-03					
Diesel Range Organics	**ND**	7800	NWTPH-Dx	5-18-11	5-18-11	U1
Lube Oil	**25000**	1100	NWTPH-Dx	5-18-11	5-18-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*123*	*50-150*				

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

NWTPH-Dx
QUALITY CONTROL
(with acid/silica gel clean-up)

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0518S1					
Diesel Range Organics	**ND**	25	NWTPH-Dx	5-18-11	5-18-11	
Lube Oil Range Organics	**ND**	50	NWTPH-Dx	5-18-11	5-18-11	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*122*	*50-150*				

Analyte	Result		Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE							
Laboratory ID:	05-098-03						
	ORIG	DUP					
Diesel Range Organics	**ND**	**ND**			NA	NA	
Lube Oil Range Organics	**ND**	**ND**			NA	NA	
Surrogate:							
o-Terphenyl			*116* *108*	*50-150*			

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Date of Report: May 23, 2011
Samples Submitted: May 11, 2011
Laboratory Reference: 1105-092
Project: 620837

% MOISTURE

Date Analyzed: 5-11-11

Client ID	Lab ID	% Moisture
S1-00-051011	05-092-01	11
S2-00-051011	05-092-02	7
S3-00-051011	05-092-03	6

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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

Y - Sample extract treated with an acid/silica gel cleanup procedure.

Z - The sample chromatogram is similar to mineral spirits.

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

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Chain of Custody

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • Fax: (425) 885-4603

Company: TPCHD
Project Number: 020837
Project Name: GOWA
Project Manager: S Bell
Sampled by: S Bell

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☐ 2 Day
- ☐ 3 Day
- ☑ Standard (7 working days)
- ☑ (TPH analysis 5 working days)
- ☐ _____ (other)

Laboratory Number: 05-092

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont	NWTPH-HCID *	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270C	PAHs by 8270C / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	VPH	EPH	8260B 8270D (SIM)				% Moisture
1	S1-00-051011	5/10/11	10:45	Soil	3	✓		⊗			✓		✓	✓	✓	✓					✓				X
2	S2-00-051011	↓	11:15	↓	2	✓	⊗	⊗			✓		✓			✓									↓
3	S3-00-051011	↓	11:30	↓	2	✓		⊗			✓		✓			✓									↓

	Signature	Company	Date	Time
Relinquished by	S Bell	TPCHD	5-11-11	8:40
Received by	Van	Speedy	5-11-11	8:40
Relinquished by	Van	Speedy	5.11.11	11:55
Received by			5/11/11	1155
Relinquished by				
Received by				
Reviewed by/Date		Reviewed by/Date		

Comments/Special Instructions:

* If HCID indicates presence of DRO, quantify & NWTPH-dx
⊗ Added 5/12/11. DB (STA)

Chromatograms with final report ☐

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Report Copy Pink - Client Copy

Chain of Custody

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • Fax: (425) 885-4603

Company: TPCHD

Project Number: 620837

Project Name: Groth

Project Manager: Bell

Sampled by: Bell

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☐ 2 Day
- ☐ 3 Day
- ☑ Standard (7 working days) (TPH analysis 5 working days)
- ☐ _____ (other)

Laboratory Number:

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270C	PAHs by 8270C / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	VPH	EPH	2008 SCLD (10)				% Moisture
	S1-00-05-1011	5/4	10:45	S	3	✓					J		J	J	J	J					✓				
	S2-00-05-1011	〃	11:15	〃	2	✓					J		J			J									
	S3-00-05-1011	↓	11:30	↓	2	✓					J		J			J									

	Signature	Company	Date	Time
Relinquished by	ABell	TPCHD	5-11-11	8:40
Received by	Van	Speedy	5/11/11	5:40
Relinquished by	Van	Speedy	5-11-11	
Received by				
Relinquished by				
Received by				

Comments/Special Instructions:

* If HCID indicates presence of Diesel, quantify & bill as Diesel

Reviewed by/Date

Reviewed by/Date

Chromatograms with final report ☐

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Report Copy Pink - Client Copy

Sharon Bell

From: Sharon Bell
Sent: Tuesday, May 24, 2011 8:53 AM
To: 'A Advanced Septic'
Subject: Sample results
Attachments: 1105-092.pdf

Hi Joshua,

Attached is the lab report for the soil samples that I collected at the Pioneer Museum. I collected soil from three locations and had all three analyzed for petroleum hydrocarbons, metals, semivolatile compounds, and PCBs. I also had one of the samples analyzed for a variety of pesticides and herbicides.

The results indicate the presence of gasoline range hydrocarbons (GRO), likely mineral spirits, and lube oil in concentrations significantly above the state's cleanup levels: GRO was detected at 1900 ppm (state cleanup level is 100 ppm); lube oil ranged from 3100 to 37,000 ppm (state cleanup level is 2000 ppm). A variety of pesticides and herbicides were also detected.

These results are not meant to be comprehensive in assessing the nature or the extent of the contamination present at this site but may assist you in any future efforts to remediate the property. As discussed with you previously, I will be forwarding my field report to Ecology with a recommendation to list the property as contaminated.

You may want to contact Ecology about entering the Voluntary Cleanup Program (VCP) once you are ready to conduct a site cleanup. The contact at Ecology is Scott Rose and he can be reached at 360/407-6347 for more information about the VCP.

[Records Center] Public Records Request :: T004233-122922

TPCHD Support <tpchd@govqa.us>

Thu 1/5/2023 2:49 PM

To:Kyler Kelly <kylerk@esnw.com>;

--- Please respond above this line ---

RE: PUBLIC RECORDS REQUEST of December 29, 2022, Reference # T004233-122922.

Dear Kyler Kelly,

The Tacoma-Pierce County Health Department received a public records request from you on December 29, 2022. You requested the following record(s):

"2301 - 23rd Street SE, Puyallup

Pierce Co Parcel Nos 042035-3027 and -7011

Records: Due diligence request, aboveground/underground storage tank records, hazardous materials use/spill/storage records, code violations, previous Phase I/II reports, septic records, well records"

The requested records have been uploaded to our Public Records Portal. You will need to log in to view your records. Let me know if you have any trouble opening the file.

This public records request has been fulfilled and is now considered closed.

Let me know if you have any questions or concerns.

Records Team
Environmental Health

To monitor the progress or update this request please log into the Public Records Center

GovQA logo

ERTS Incident #620837

Environmental Report Tracking - *Generated 1/5/2023, 4:25 PM*

Primary Initial Report - Reported: 06/27/10 05:55

Reference ID - 105762

Where did it happen?

Location name:	
Physical address:	1900 blk 22nd Place PUYALLUP WA US
County:	PIERCE
Ecology region:	SWRO
Lat, long:	47.172051 , 122.26551

Directions/Landmarks:

200 feet by 200 feet museum. 2140 22nd St SE, house next door

What happened?

Incident date:	06/27/10 00:00
Activity:	Unknown
Cause:	Human error - Unknown
Medium:	Impermeable surface - Building/Structure
Source:	Historical - Undetermined
Substance:	Historical - Undetermined
Substance amount:	15 Drum

Who might be responsible?

Name:	Unknown
Organization:	
Email:	
Phone number(s):	
Mailing address:	

How was it reported?

Intake type:	Unknown
Reported date:	06/27/10 05:55
Entered by:	Susie Baxter
Entered at:	06/28/10 10:32

Who reported it?

Do they want this to be confidential? No

Reporter type:	Unknown
Name:	Lt. Neally
Organization:	Tacoma Fire Department
Email:	
Phone number(s):	(253) 591-5733
Mailing address:	

Are they anonymous? No
Are they self-reporting? No
External reference number:

Comments/notes

Fire has discovered 15 drums of unknown contents and a scene of an abandoned warehouse fire.

Incident details

Life cycle status:	Historic
Incident Date:	06/27/10
Was it self-reported?:	No
Show to public?:	No

Location

Location name:	
Physical Address:	1900 blk 22nd Place PUYALLUP WA US
County:	PIERCE
Lat, long:	47.172113 , 122.265218

Program owners

Kathy Armstrong (Primary)
SWRO - Spill Prevention, Preparedness & Response
Comments:

Ben Cornell (Primary)
SWRO - Spill Prevention, Preparedness & Response
Comments:

Ron Holcomb (Primary)
SWRO - Spill Prevention, Preparedness & Response
Comments:

Corey King (Primary)
SWRO - Spill Prevention, Preparedness & Response
Comments:

Alison Meyers (Primary)
SWRO - Spill Prevention, Preparedness & Response
Comments:

Curt Piesch (Primary)
SWRO - Spill Prevention, Preparedness & Response
Comments:

Doug Stolz (Primary)
SWRO - Spill Prevention, Preparedness & Response
Comments:

Who might be responsible?

Name:	Unknown
Organization:	
Email:	
Phone number(s):	
Mailing address:	

Andrea Unger (Primary)
SWRO - Spill Prevention, Preparedness & Response
Comments:

Kirsten Wecker (Primary)
SWRO - Toxics Cleanup
Comments:

Follow-ups

Program: Spill Prevention, Preparedness & Response - Subject: Historic Referral - For Data Migration Purposes Only
Reference ID - 105024

What happened?

Primary activity

Activity:	Unknown

Primary cause

Cause:	Human error - Unknown

Primary detail

Medium:	Impermeable surface - Building/Structure
Source:	Historical - Undetermined
Substance:	Historical - Undetermined
Substance amount:	15 Drum

Primary impact

Impact:	Air - Potential pollution/release

Action history

Status	Action	Date
Completed	TCP SIS	11/16/2010 00:00:00
Completed	Telephone technical assistance	11/16/2010 00:00:00

Comments

Stand alone comment *06/28/2019 08:46:48*

Created By:

Historic Referral Contact Information - ReferralDate: 2010-06-27 FirstName: NANNETTE MiddleName: LastName: BROOKS Email: nbro461@ecy.wa.gov PhoneNumber: (360) 407-6242 OrganizationName: SPILLS, PREVENTION, PREPAREDNESS AND RESPONSE WorkLocation: SWRO

Stand alone comment *06/28/2019 08:46:48*

Created By:

Historic Referral Contact Information - ReferralDate: 2010-11-01 FirstName: SHARON MiddleName: LastName: BELL Email: erts@tpchd.org PhoneNumber: (253) 798-2891 OrganizationName: TOXICS CLEANUP WorkLocation: swro

Stand alone comment *06/28/2019 08:46:47*

Created By:

Historic Investigator Contact Information - FirstName: NANNETTE MiddleName: LastName: BROOKS OrganizationName: SPILLS, PREVENTION, PREPAREDNESS AND RESPONSE WorkLocation: SWRO

Stand alone comment *06/28/2019 08:45:15*

Created By:

I (Nannette Brooks) contacted the Fire Company. Greg from Engine Company 72, on scene. He told me that Engine 72 responded to a fire at the location and discovered the drums in an unaffected part of the building. The drums are not compromised at this time. They are in various states of fullness-some of the 55 gallon drums are full and some are closer to empty. When Fire leaves the scene, they will not be posting a fire watch and neither will the police department. The area is residential. Ecology assistance requested.

I briefed my duty partner, Ron Holcomb. We decided I should contact Regional Supervisor Jim Sachet at 06:17 hrs. Due to the stability of the drums and the need to contact property owner, this response will be conducted during regular business hours.

I briefed Fire at 06:27.

I updated Ron Holcomb at 06:31.

Follow-up owners

Status	Organization	First name	Last name	Is external?	Email	Phone number	Comments
Accepted	WA Ecology	Nannette	Brooks	N	nbro461@ecy.wa.gov	(360) 951-6449	

Program: Spill Prevention, Preparedness & Response - Subject: Historic Referral - For Data Migration Purposes Only

Reference ID - 105065

What happened?

Primary activity

Activity:	Other

Primary cause

Cause:	Historical - Undetermined

Primary detail

Medium:	Ground - Soil
Source:	Container - Drum leak/Abandoned
Substance:	Water - Bilge water
Substance amount:	1051 U.S. gallons

Primary impact

Impact:	Ground - Soil contamination

Action history

Status	Action	Date
In progress	Field investigation scheduled	06/28/2010 00:00:00

Comments

Stand alone comment *06/28/2019 08:46:47*

Created By:

Historic Investigator Contact Information - FirstName: RON MiddleName: LastName: HOLCOMB OrganizationName: SPILLS, PREVENTION, PREPAREDNESS AND RESPONSE WorkLocation: SWRO

Stand alone comment *06/28/2019 08:46:47*

Created By:

Historic Investigator Contact Information - FirstName: DOUG MiddleName: LastName: STOLZ OrganizationName: SPILLS, PREVENTION, PREPAREDNESS AND RESPONSE WorkLocation: SWRO

Stand alone comment *06/28/2019 08:45:15*

Created By:

On 6/27/10 I (Ron Holcomb) was contacted by after-hours spill responder Nannette Brooks to discuss the initial information provided by Central Pierce Fire & Rescue regarding a number of abandoned drums discovered while dealing with a fire at the old Western Washington Pioneer Museum in Puyallup. I advised Nannette to check with SWRO Regional Spill Response Unit Supervisor Jim Sachet to determine whether we should assess the situation today. Nannette called back and said Jim wanted to hold off until Monday (6/28/10).

On 6/28/10 Doug Stolz and I responded to Puyallup and met with CPF&R at Station #2. We then followed Engine 72 to the property and conducted a site inspection (see photos in file).

We initially checked an old horse barn and identified numerous (~25 - 30) empty 55-gallon drums (metal and fiber). No other chemicals were observed in this building that was not involved in the fire.

We then proceeded to the burned building and did some basic assessment of the drums and other containers. Following is a summary of what was identified:

Container Type	Total	# Empty	# Full/Partially Full	Total Maximum Capacity
55-gallon drums	22	4	18	990 gallons
15/30-gallon drums	3	1	2	45 gallons
5-gallon containers	3	0	3	15 gallons
< 1-gallon container	4	0	4	1 gallon
Total	32	5	27	1,051 gallon

We used a TIP meter on several open drums and one gave an indication of a flammable material. Others appeared to have waste oil or grease and others were sealed and unknown.

The empty drums and containers were marked `MT` and the others were numbered and dated. We placed several tarps over the drums/containers and used caution tape to mark them off (see photos).

CPF&R did provide some property ownership information but no telephone numbers.

On 6/30/10 I left a message with the CF&R Fire Marshall about property owner contact information.

A check of the Pierce County Assessor`s web site on 7/1/10 identified the property owner as:

Grace Ardell Greeley
25518 - 133rd Ave. NE
Arlington, WA 98225

The address of the 8.99 acre property is listed as:

2301 - 23rd Street E.
Puyallup, WA

See file for additional details on the property.

No call-back from Fire Marshall as of 7/6/10.

On 7/7/10 I issued a letter to the property owner (Grace Ardell Greeley) regarding the drums and requesting contact with Ecology (see file).

On July 9, 2010 I received a call from Sharon Tanner and she explained that she inherited the property from her mother (Grace Ardell Greeley) some 15 years ago when she passed away. I advised her that the Pierce county property records had not been changed or updated.

Ms. Tanner went on the explain that she was aware of the drums and that they had been stored in the `museum` building. The drums were from her father`s work over the years that include treating wood for fencing. I explained that there was some spillage and that the drums were not marked. I advised her that it would be in her interest to have the drums properly tested and the waste disposed of by an environmental contractor especially since the property was unoccupied and someone had likely set the fire that destroyed the building which had housed the Pioneer Museum.

I also noted that there were two large fuel tanks on the property. Ms. Tanner said the elevated tank at the south end of the property had been used for gasoline but had been empty for many years. She did not seem to be aware of the second tank I observed at the southwest corner of the burned building.

I then explained that I would be sending another letter and would include a list of environmental contractors. I also encouraged her to have her grandson contact me as she said he was helping with trying to sell the property. I further advised her that I was available to provide advice and guidance to assist her, but if she chose not to do anything that I would have to refer this site to Ecology`s Toxic Cleanup Program and that her property would likely be listed as a contaminated site.

On July 13, 2010 I issued a second letter with the contractor list and photos of the drums. I requested that she inform me within 14 days of how she would be proceeding with the situation.

On 8/20/10 I contacted Ms. Tanner to check on the status of the property and she stated that her grandsons were directly involved with the situation and she provided their names and contact information:

Joshua Gunia (253) 579-6769
Jeremey Gunia (253) 273-4612

At approximately 1420, I was able to contact Joshua Gunia who confirmed that he was Ms. Tanner`s grandson and was working on selling the property and dealing with city officials regarding the burned structures. He said he was aware of the drums and would work on that issue also (he said he was not aware of the fact that Ecology had been communicating with his grandmother on this issue). Mr. Gunia asked me to email him the information I had provided to his grandmother at guniagroup@comcast.net. I said I would and that I would be available to help him as he proceeds with the cleanup.

The two letters, photos and contractor list were sent on 8/20/10 via email:

Joshua,
Attached are the photos and two letters that I sent to your grandmother.

Also, following is a link to Ecology`s list of environmental cleanup contractors (although you can choose any qualified contractor you want even if they are not on Ecology`s list):

http://www.ecy.wa.gov/programs/spills/response/Hazmat_Spill_Contractor_List.pdf

Please respond back to let me know that you received this information and also provide a mailing address where I can send correspondence to you.

Please feel free to contact me by phone or email if you have any questions.

Thank you and good luck with your efforts to sell the property.

Ron Holcomb
Hazardous Materials Specialist
Department of Ecology
Southwest Region
(360) 407-6373
Ron.Holcomb@ecy.wa.gov

I received the following reply from Joshua:

Hi Ron . Thank you for the email and also for working with us on this. my mailing address is 15714 44th ave ct e Tacoma WA 98446. Have a great weekend.
Joshua Gunia, Vice President
A Advanced Septic Services, Inc.
253-435-9999 Office
253-579-6769Cell
joshua@guniagroup.com

aadvancedservices.com

`The Guys To Know When You Gotta Go!`

Because the SWRO Spill Response Unit has not received any information regarding the progress of the cleanup at this site, it will be referred to the Toxic Cleanup Program.

Referral to TCP (Sharon Bell, Tacoma-Pierce County Health Department) was made on 11/1/10.

Follow-up owners

Status	Organization	First name	Last name	Is external?	Email	Phone number	Comments
Accepted	WA Ecology	Ron	Holcomb	N	rhol461@ecy.wa.gov	(360) 407-6373	
Accepted	WA Ecology	Doug	Stolz	N	dsto461@ecy.wa.gov	(360) 407-6377	

Program: Toxics Cleanup - Subject: Historic Referral - For Data Migration Purposes Only
Reference ID - 119504

What happened?

Primary activity

Activity: Other

Primary cause

Cause: Human error - Unintentional

Primary detail

Medium: Ground - Soil
Source: Historical - Undetermined
Substance: Chemical - Other
Substance amount: 1051 U.S. gallons

Action history

Status	Action	Date
In progress	Field investigation scheduled	11/16/2010 00:00:00
Completed	TCP SIS	11/16/2010 00:00:00

Additional impacts

Impact: Ground - Soil contamination

Comments

Stand alone comment *06/28/2019 08:46:47*

Created By:

Historic Investigator Contact Information - FirstName: SHARON MiddleName: LastName: BELL OrganizationName: TOXICS CLEANUP WorkLocation: swro

Stand alone comment *06/28/2019 08:45:15*

Created By:

SITE RECOMMENDED FOR LISTING IN ISIS. SEE INITIAL INVESTIGATION SENT TO SWRO RECORDS CENTER 04/30/2012.

Incident attachments

Disclaimer: There are no attachments for this incident

THIS ROAD IS PLANNED TO BE EXTENDED IN THE FUTURE
ECOLOGY HAZMAT
06/28/2010

06/28/2010

06/28/2010

06/28/2010

06/28/2010

Shurtape
06/28/2010

06/28/2010

06/28/2010

MASURY-COLUMBIA CO.
MYCO
Products for
Environmental Cleanliness
06/28/2010

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Net 55 U.S. GALLONS

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06/28/2010

RICHFIELD
06/28/2010

RICHFIELD
LUBRICANTS
06/28/2010

06/28/2010

06/28/2010

MT
MT
10
6/28/10
9
6/28/10
16
6/28/10
06/28/2010

DANGER DO NOT ENTER
DANGER DO NOT ENTER
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THIS ROAD IS
PLANNED TO BE
EXTENDED IN
THE FUTURE
06/28/2010

THIS ROAD IS
PLANNED TO BE
EXTENDED IN
THE FUTURE
06/28/2010

Appendix K

EDR Vapor Encroachment Screen

ES-5559.06

Sunset Pointe
2301 23rd St SE
Puyallup, WA 98372

Inquiry Number: 7214049.2s
January 10, 2023

EDR Vapor Encroachment Screen

Prepared using EDR's Vapor Encroachment Worksheet

EDR® Environmental Data Resources Inc

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

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SECTION	PAGE
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Primary Map	**2**
Secondary Map	**3**
Map Findings	**4**
Record Sources and Currency	**GR-1**

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

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The EDR Vapor Encroachment Worksheet enables EDR's customers to make certain online modifications that effects maps, text and calculations contained in this Report. As a result, maps, text and calculations contained in this Report may have been so modified. EDR has not taken any action to verify any such modifications, and this report and the findings set forth herein must be read in light of this fact. Environmental Data Resources shall not be responsible for any customer's decision to include or not include in any final report any records determined to be within the relevant minimum search distances.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by EDR. The report was designed to assist parties seeking to meet the search requirements of the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property Involved in Real Estate Transactions (E 2600).

STANDARD ENVIRONMENTAL RECORDS	Default Area of Concern (Miles)*	property	1/10	> 1/10
Lists of Federal NPL (Superfund) sites	1.0	0	0	0
Lists of Federal Delisted NPL sites	1.0	0	0	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders	0.5	0	0	0
Lists of Federal CERCLA sites with NFRAP	0.5	0	0	0
Lists of Federal RCRA facilities undergoing Corrective Action	1.0	0	0	0
Lists of Federal RCRA TSD facilities	0.5	0	0	0
Lists of Federal RCRA generators	0.25	0	0	0
Federal institutional controls / engineering controls registries	0.5	0	0	0
Federal ERNS list	0.001	0	0	-
Lists of state- and tribal (Superfund) equivalent sites	1.0	0	0	0
Lists of state- and tribal hazardous waste facilities	1.0	1	0	0
Lists of state and tribal landfills and solid waste disposal facilities	0.5	0	0	0
Lists of state and tribal leaking storage tanks	0.5	0	0	0
Lists of state and tribal registered storage tanks	0.25	0	0	0
State and tribal institutional control / engineering control registries	0.5	0	0	0
Lists of state and tribal voluntary cleanup sites	0.5	0	0	0
Lists of state and tribal brownfield sites	0.5	0	0	0

ADDITIONAL ENVIRONMENTAL RECORDS				
Local Brownfield lists	0.5	0	0	0
Local Lists of Landfill / Solid Waste Disposal Sites	0.5	0	0	0
Local Lists of Hazardous waste / Contaminated Sites	0.5	1	0	0
Local Lists of Registered Storage Tanks	not searched	-	-	-
Local Land Records	0.001	0	0	-
Records of Emergency Release Reports	0.001	0	1	-
Other Ascertainable Records	1.0	1	0	0

EDR HIGH RISK HISTORICAL RECORDS				
EDR Exclusive Records	1.0	0	0	0
Exclusive Recovered Govt. Archives	0.001	1	0	-

EXECUTIVE SUMMARY

EDR RECOVERED GOVERNMENT ARCHIVES

EDR Exclusive Records	1.0	0	0	0
Exclusive Recovered Govt. Archives	0.001	1	0	-

*The Default Area of Concern may be adjusted by the environmental professional using experience and professional judgement. Each category may include several databases, and each database may have a different distance. A list of individual databases is provided at the back of this report.

EXECUTIVE SUMMARY

TARGET PROPERTY INFORMATION

ADDRESS

SUNSET POINTE
2301 23RD ST SE
PUYALLUP, WA 98372

COORDINATES

Latitude (North):	47.172539 - 47° 10′ 21.139526″
Longitude (West):	122.265431 - 122° 15′ 55.563354″
Elevation:	371 ft. above sea level

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records.

Site	Database(s)
PIONEER MUSEUM 2301 23RD AVE SE PUYALLUP, WA 98372	CSCSL Site Status: Awaiting Cleanup Clean Up Siteid: 11739 Clean Up Siteid: 11739 Clean Up Siteid: 11739 Clean Up Siteid: 11739 Clean Up Siteid: 11739 Facility ID: 9490 Surface Water: Surface Water: Surface Water: Surface Water: Surface Water: Ground Water: Ground Water: Ground Water: Ground Water: Ground Water: Contaminant Name: Non-Halogenated Pesticides Contaminant Name: Other Halogenated Organics Contaminant Name: Petroleum-Gasoline Contaminant Name: Petroleum-Other Contaminant Name: Phenolic Compounds Soil: Confirmed Above Cleanup Levels Soil: Confirmed Above Cleanup Levels Soil: Confirmed Above Cleanup Levels Soil: Confirmed Above Cleanup Levels Soil: Confirmed Above Cleanup Levels ALLSITES Facility Id: 9490
PIONEER MUSEUM FORMER 2301 23RD AVE SE PUYALLUP, WA	RGA HWS Facility ID: 9490

EXECUTIVE SUMMARY

Site

PIONEER MUSEUM
2301 23RD AVE SE
PUYALLUP, WA 98372

Database(s)

FINDS
Registry ID:: 110045015274

EXECUTIVE SUMMARY

SEARCH RESULTS

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

STANDARD ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
PIONEER MUSEUM CSCSL: CSCSL ALLSITES: ALLSITES	2301 23RD AVE SE	Property	▲ A1	9

ADDITIONAL ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
PIONEER MUSEUM CSCSL: CSCSL ALLSITES: ALLSITES	2301 23RD AVE SE	Property	▲ A1	9
PIONEER MUSEUM FINDS: FINDS	2301 23RD AVE SE	Property	▲ A3	9
1900 BLK 22ND PLACE SPILLS: SPILLS	1900 BLK 22ND PLACE	<1/10 SSE	▲ A4	9

EDR HIGH RISK HISTORICAL RECORDS

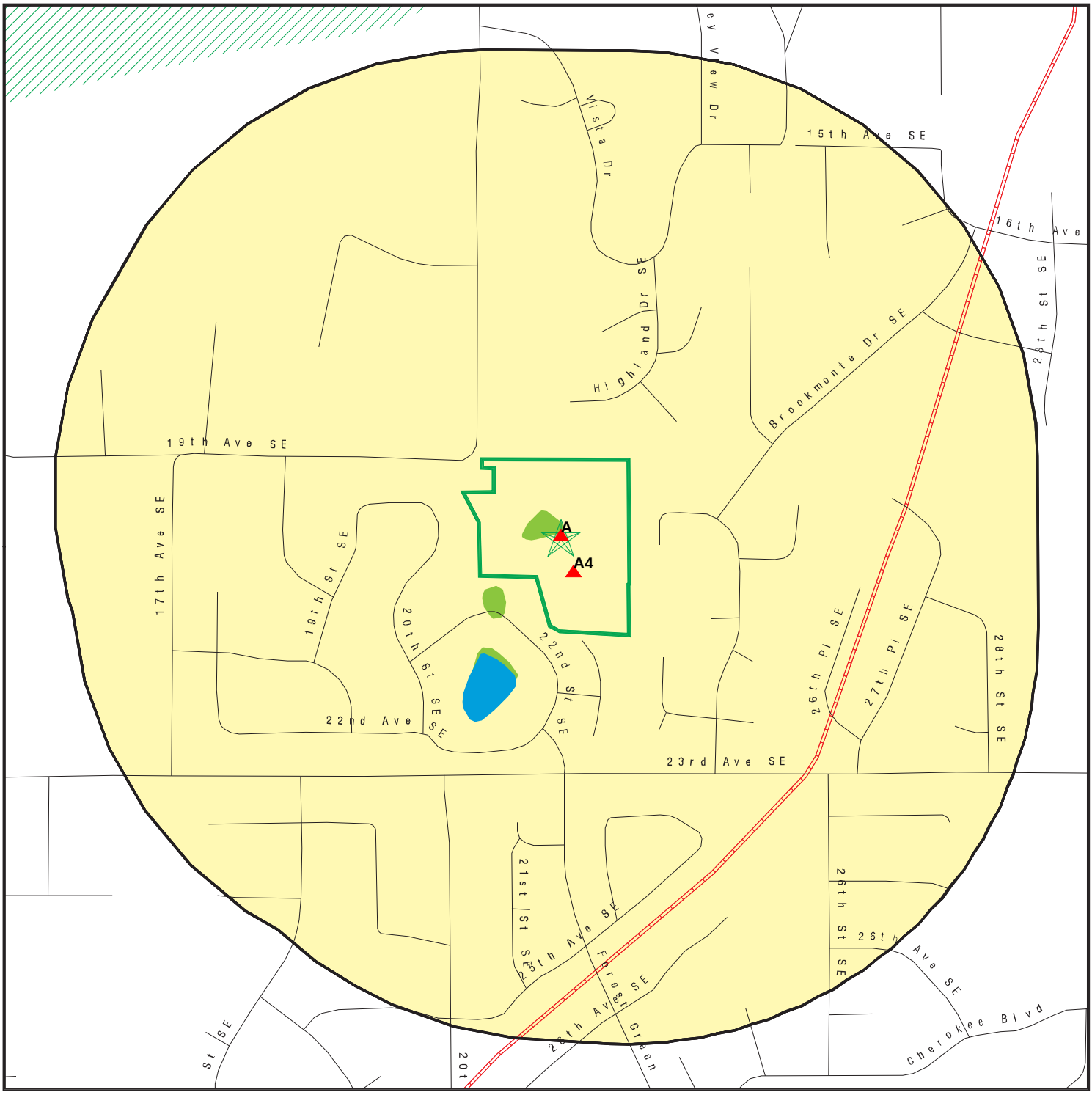
Name	Address	Dist/Dir	Map ID	Page

Not Reported

EDR RECOVERED GOVERNMENT ARCHIVES

Name	Address	Dist/Dir	Map ID	Page
PIONEER MUSEUM FORMER RGA HWS: RGA HWS	2301 23RD AVE SE	Property	▲ A2	9

PRIMARY MAP - 7214049.2S



- 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
- Pipelines
- 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:	Sunset Pointe	CLIENT:	Earth Solutions Northwest
ADDRESS:	2301 23rd St SE Puyallup WA 98372	CONTACT:	Kyler Kelly
LAT/LONG:	47.172539 / 122.265431	INQUIRY #:	7214049.2s
		DATE:	December 29, 2022 3:31 pm

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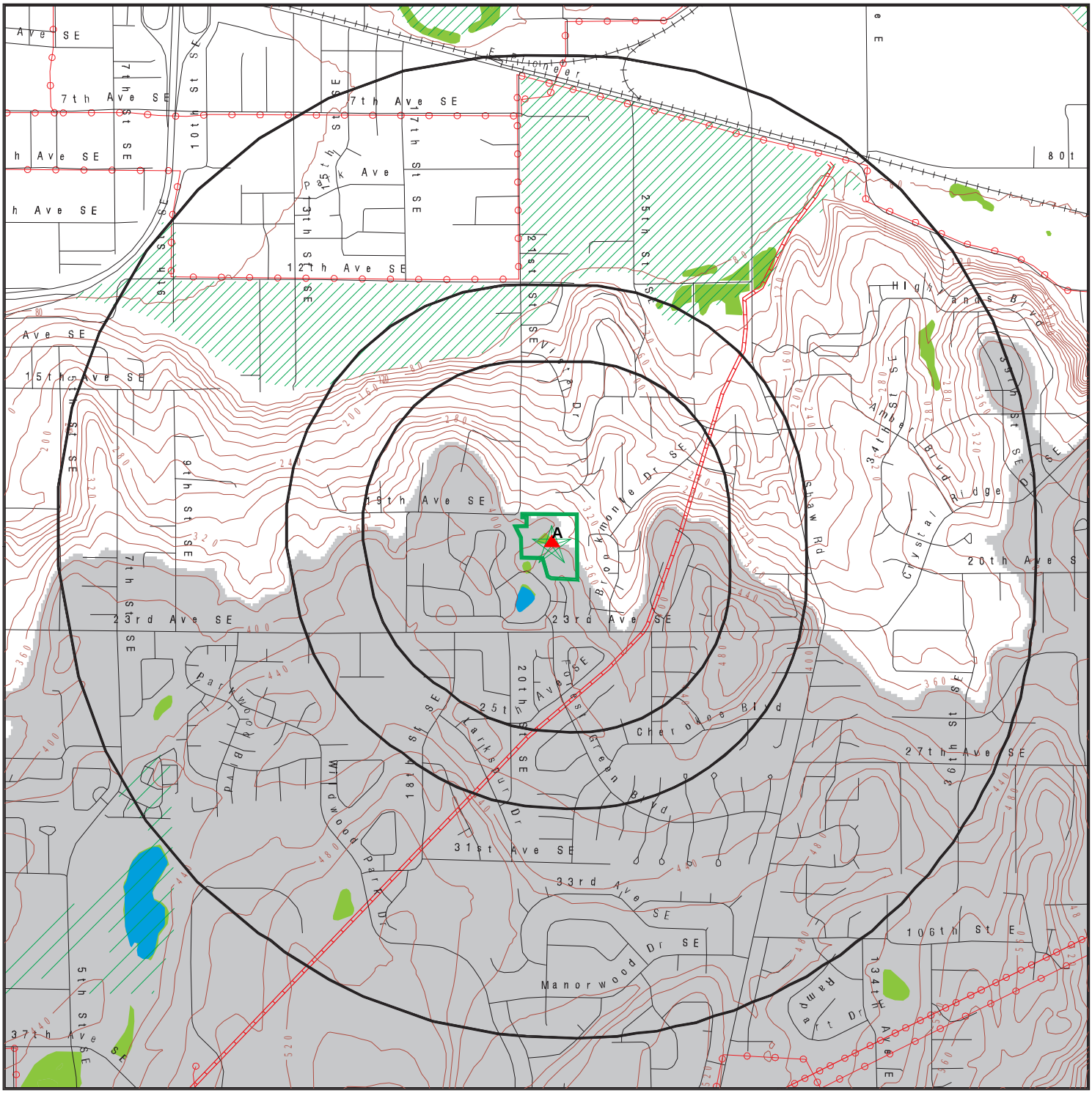
SECONDARY MAP - 7214049.2S



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

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: Sunset Pointe	CLIENT: Earth Solutions Northwest
ADDRESS: 2301 23rd St SE Puyallup WA 98372	CONTACT: Kyler Kelly
LAT/LONG: 47.172539 / 122.265431	INQUIRY #: 7214049.2s DATE: December 29, 2022 3:29 pm

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MAP FINDINGS

LEGEND

FACILITY NAME **FACILITY ADDRESS, CITY, ST, ZIP**		EDR SITE ID NUMBER
◆ **MAP ID#**	Direction Distance Range (Distance feet / miles) Relative Elevation Feet Above Sea Level	ASTM 2600 Record Sources found in this report. Each database searched has been assigned to one or more categories. For detailed information about categorization, see the section of the report Records Searched and Currency.

Worksheet:

Comments:
Comments may be added on the online Vapor Encroachment Worksheet.

DATABASE ACRONYM: Applicable categories (A hoverbox with database description).

PIONEER MUSEUM 2301 23RD AVE SE, PUYALLUP, WA, 98372		S111414226
▲ A1	Target Property 371 ft. Above Sea Level	Lists of state- and tribal hazardous waste facilities Local Lists of Hazardous waste / Contaminated Sites

Worksheet:

PIONEER MUSEUM FORMER 2301 23RD AVE SE, PUYALLUP, WA,		S115345102
▲ A2	Target Property 371 ft. Above Sea Level	Exclusive Recovered Govt. Archives

Worksheet:

PIONEER MUSEUM 2301 23RD AVE SE, PUYALLUP, WA, 98372		1015922136
▲ A3	Target Property 371 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

1900 BLK 22ND PLACE 1900 BLK 22ND PLACE, PUYALLUP, WA,		S110627886
▲ A4	SSE <1/10 (0 ft. / 0 mi.) 15 ft. Higher Elevation 386 ft. Above Sea Level	Records of Emergency Release Reports

Worksheet:

MAP FINDINGS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
ENVIRONMENTAL RECORDS						
Federal NPL site list						
US	NPL	National Priority List	EPA	10/27/2022	11/01/2022	11/15/2022
US	Proposed NPL	Proposed National Priority List Sites	EPA	10/27/2022	11/01/2022	11/15/2022
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
Federal CERCLIS list						
US	SEMS	Superfund Enterprise Management System	EPA	10/27/2022	11/01/2022	11/15/2022
Federal RCRA CORRACTS facilities list						
US	CORRACTS	Corrective Action Report	EPA	11/21/2022	11/21/2022	12/05/2022
Federal RCRA TSD facilities list						
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	11/21/2022	11/21/2022	12/05/2022
Federal RCRA generators list						
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	11/21/2022	11/21/2022	12/05/2022
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	11/21/2022	11/21/2022	12/05/2022
US	RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditionall	Environmental Protection Agency	11/21/2022	11/21/2022	12/05/2022
Federal institutional controls / engineering controls registries						
US	LUCIS	Land Use Control Information System	Department of the Navy	08/16/2022	08/22/2022	10/24/2022
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	08/15/2022	08/17/2022	10/24/2022
US	US INST CONTROLS	Institutional Controls Sites List	Environmental Protection Agency	08/15/2022	08/17/2022	10/24/2022
Federal ERNS list						
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	12/12/2022	12/14/2022	12/19/2022
State and tribal - equivalent NPL						
WA	HSL	Hazardous Sites List	Department of Ecology	08/24/2022	09/07/2022	11/29/2022
State and tribal - equivalent CERCLIS						
WA	CSCSL	Confirmed and Suspected Contaminated Sites List	Department of Ecology	10/10/2022	10/11/2022	12/22/2022
State and tribal landfill / solid waste disposal						
WA	SWF/LF	Solid Waste Facility Database	Department of Ecology	07/07/2022	07/21/2022	10/04/2022
State and tribal leaking storage tank lists						
WA	LUST	Leaking Underground Storage Tanks Site List	Department of Ecology	08/08/2022	08/09/2022	10/26/2022
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	04/20/2022	06/13/2022	08/16/2022
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	04/08/2022	06/13/2022	08/16/2022
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	04/20/2022	06/13/2022	08/16/2022
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	06/02/2022	06/13/2022	08/31/2022
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	04/28/2021	06/11/2021	09/07/2021
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	04/11/2022	06/13/2022	08/16/2022

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	04/28/2022	06/13/2022	08/16/2022
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	04/14/2022	06/13/2022	08/16/2022
State and tribal registered storage tank lists						
WA	UST	Underground Storage Tank Database	Department of Ecology	08/08/2022	08/09/2022	10/26/2022
WA	AST	Aboveground Storage Tank Locations	Department of Ecology	12/14/2015	02/02/2016	05/03/2016
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	04/11/2022	06/13/2022	08/16/2022
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	06/02/2022	06/13/2022	08/31/2022
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	04/08/2022	06/13/2022	08/16/2022
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	04/20/2022	06/13/2022	08/16/2022
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	04/14/2022	06/13/2022	08/16/2022
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	04/20/2022	06/13/2022	08/16/2022
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	04/07/2022	06/13/2022	08/16/2022
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	04/28/2022	06/13/2022	08/16/2022
US	FEMA UST	Underground Storage Tank Listing	FEMA	10/14/2021	11/05/2021	02/01/2022
State and tribal institutional control / engineering control registries						
WA	INST CONTROL	Institutional Control Site List	Department of Ecology	10/10/2022	10/11/2022	12/22/2022
State and tribal voluntary cleanup sites						
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
WA	ICR	Independent Cleanup Reports	Department of Ecology	12/01/2002	01/03/2003	01/22/2003
WA	VCP	Voluntary Cleanup Program Sites	Department of Ecology	10/10/2022	10/11/2022	12/22/2022
WA	PTAP	PTAP Site Listing	Department of Ecology	08/08/2022	08/09/2022	10/26/2022
State and tribal Brownfields sites						
WA	BROWNFIELDS	Brownfields Sites Listing	Department of Ecology	10/10/2022	10/11/2022	12/22/2022
Other Records						
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	06/30/2022	07/21/2022	09/30/2022
US	ROD	Records Of Decision	EPA	10/27/2022	11/01/2022	11/15/2022
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	10/27/2022	11/01/2022	11/15/2022
WA	CSCSL NFA	Confirmed and Contaminated Sites - No Further Action	Department of Ecology	10/10/2022	10/11/2022	12/22/2022
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
WA	SWTIRE 2	Solid Waste Tire Facilities 2	Department of Ecology	06/01/2022	06/23/2022	09/12/2022
WA	SWRCY	Recycling Facility List	Department of Ecology	07/14/2022	09/06/2022	09/13/2022
WA	SWTIRE	Solid Waste Tire Facilities	Department of Ecology	11/01/2005	03/16/2006	04/13/2006
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	07/29/2022	08/18/2022	10/24/2022
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2020	11/30/2021	02/22/2022
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	07/26/2021	07/27/2021	10/22/2021
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	10/27/2022	11/01/2022	11/15/2022
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	09/19/2022	09/20/2022	12/22/2022
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	01/12/2017	03/05/2019	11/11/2019
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	09/13/2019	11/06/2019	02/10/2020
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	01/01/2017	02/03/2017	04/07/2017
US	Delisted NPL	National Priority List Deletions	EPA	10/27/2022	11/01/2022	11/15/2022
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	10/27/2022	11/01/2022	11/15/2022
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	11/21/2022	11/21/2022	12/05/2022
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	09/19/2022	09/19/2022	09/30/2022
US	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	01/02/2020	01/28/2020	04/17/2020
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	07/29/2022	08/18/2022	10/24/2022
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	02/23/2022	03/10/2022	03/10/2022
US	DOD	Department of Defense Sites	USGS	06/07/2021	07/13/2021	03/09/2022
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	04/02/2018	04/11/2018	11/06/2019
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	08/11/2022	08/11/2022	09/30/2022
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	08/30/2019	11/15/2019	01/28/2020
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	08/03/2022	08/17/2022	08/31/2022
US	MINES VIOLATIONS	MSHA Violation Assessment Data	DOL, Mine Safety & Health Admi	11/29/2022	11/30/2022	12/22/2022
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	05/06/2020	05/27/2020	08/13/2020
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	PRP	Potentially Responsible Parties	EPA	10/27/2022	11/01/2022	11/15/2022
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2018	08/14/2020	11/04/2020
US	TSCA	Toxic Substances Control Act	EPA	12/31/2016	06/17/2020	09/10/2020
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	SSTS	Section 7 Tracking Systems	EPA	07/18/2022	07/18/2022	07/29/2022
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	PADS	PCB Activity Database System	EPA	01/20/2022	01/20/2022	03/25/2022
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	10/26/2022	11/22/2022	12/05/2022
US	RADINFO	Radiation Information Database	Environmental Protection Agency	07/01/2019	07/01/2019	09/23/2019
US	FINDS	Facility Index System/Facility Registry System	EPA	08/03/2022	08/25/2022	10/24/2022
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RMP	Risk Management Plans	Environmental Protection Agency	04/27/2022	05/04/2022	05/10/2022
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2019	03/02/2022	03/25/2022
US	PWS	Public Water System Data	EPA	12/17/2013	01/09/2014	10/15/2014
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	04/01/2014	08/06/2014	01/29/2015
US	ABANDONED MINES	Abandoned Mines	Department of Interior	09/13/2022	09/14/2022	12/05/2022
WA	AIRS (EMI)	Washington Emissions Data System	Department of Ecology	12/31/2020	07/12/2022	09/28/2022
WA	ALLSITES	Facility/Site Identification System Listing	Department of Ecology	07/25/2022	07/26/2022	10/06/2022
WA	ASBESTOS	Asbestos Notification Listing	Department of Labor & Industries	09/06/2022	09/07/2022	11/30/2022
WA	CDL	Clandestine Drug Lab Contaminated Site List	Department of Health	06/30/2022	08/02/2022	10/19/2022
WA	COAL ASH	Coal Ash Disposal Site Listing	Department of Ecology	07/11/2022	07/20/2022	10/04/2022
WA	DRYCLEANERS	Drycleaner List	Department of Ecology	10/06/2022	10/06/2022	12/22/2022

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
WA	Financial Assurance 1	Financial Assurance Information Listing	Department of Ecology	11/17/2022	11/22/2022	11/29/2022
WA	Financial Assurance 2	Financial Assurance Information Listing	Department of Ecology	08/07/2022	08/10/2022	10/26/2022
WA	Financial Assurance 3	Financial Assurance Information Listing	Department of Ecology	11/15/2017	11/20/2017	01/04/2018
WA	HIST CDL	List of Sites Contaminated by Clandestine Drug Labs	Department of Health	02/08/2007	06/26/2007	07/19/2007
WA	INACTIVE DRYCLEANERS	Inactive Drycleaners	Department of Ecology	10/06/2022	10/06/2022	12/22/2022
WA	WA MANIFEST	Hazardous Waste Manifest Data	Department of Ecology	12/31/2020	08/11/2021	11/23/2021
WA	NPDES	Water Quality Permit System Data	Department of Ecology	10/10/2022	10/11/2022	12/22/2022
WA	SPILLS	Reported Spills	Department of Ecology	08/24/2022	08/30/2022	11/17/2022
WA	SPILLS ERTS	Environmental Report Tracking System Listing	Department of Ecology	12/05/2022	12/06/2022	12/22/2022
WA	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	05/23/2006	01/03/2013	03/06/2013
WA	UIC	Underground Injection Wells Listing	Department of Ecology	04/01/2022	04/01/2022	04/13/2022
US	PFAS NPL	Superfund Sites with PFAS Detections Information	Environmental Protection Agency	02/23/2022	07/08/2022	11/08/2022
US	UXO	Unexploded Ordnance Sites	Department of Defense	12/31/2020	01/11/2022	02/14/2022
US	PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing	Environmental Protection Agency	01/03/2022	03/31/2022	11/08/2022
WA	AQUEOUS FOAM	Firefighting Foam Incidents	Department of Ecology	09/28/2022	10/05/2022	10/26/2022
WA	PFAS	PFAS Contamination Site Location Listing	Department of Ecology	08/08/2022	08/09/2022	09/28/2022
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	05/06/2021	05/21/2021	08/11/2021
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	09/25/2022	09/30/2022	12/22/2022
US	PFAS ATSDR	PFAS Contamination Site Location Listing	Department of Health & Human Services	06/24/2020	03/17/2021	11/08/2022
US	PFAS NPDES	Clean Water Act Discharge Monitoring Information	Environmental Protection Agency	01/03/2022	03/31/2022	11/08/2022
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	08/11/2022	08/11/2022	09/30/2022
US	PFAS WQP	Ambient Environmental Sampling for PFAS	Environmental Protection Agency	01/03/2022	03/31/2022	11/08/2022
US	PFAS ECHO FIRE TRAINING	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	08/22/2018	03/31/2022	11/08/2022
US	PFAS PART 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing	Environmental Protection Agency	08/22/2018	10/26/2022	11/08/2022
US	PFAS FEDERAL SITES	Federal Sites PFAS Information	Environmental Protection Agency	02/23/2022	03/31/2022	11/08/2022
US	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	08/25/2022	09/06/2022	12/05/2022
US	MINES MRDS	Mineral Resources Data System	USGS	04/06/2018	10/21/2019	10/24/2019
US	PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	01/03/2022	03/31/2022	11/08/2022
US	PFAS TSCA	PFAS Manufacture and Imports Information	Environmental Protection Agency	01/03/2022	03/31/2022	11/08/2022
US	AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing	Environmental Protection Agency	02/23/2022	03/31/2022	11/08/2022

HISTORICAL USE RECORDS

US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
WA	RGA HWS	Recovered Government Archive State Hazardous Waste Facilitie	Department of Ecology		07/01/2013	12/24/2013
WA	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of Ecology		07/01/2013	01/10/2014
WA	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	Department of Ecology		07/01/2013	12/24/2013

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
COUNTY RECORDS						
WA	LF KING	Abandoned Landfill Study in King County	Seattle-King County Department of Public Heal	04/30/1985	11/07/1994	
WA	LF SEATTLE CITY	Abandoned Landfill Study in the City of Seattle	Seattle - King County Department of Public He	07/30/1984	11/07/1994	
WA	LF SEATTLE/KING	Seattle - King County Abandoned Landfill Toxicity / Hazard A	Department of Public Health	12/31/1986	08/18/1995	09/20/1995
WA	LF SNOHOMISH	Solid Waste Sites of Record at Snohomish Health District	Snohomish Health District	09/23/2019	09/25/2019	10/24/2019
WA	LF TACOMA/PIERCE	Closed Landfill Survey	Tacoma-Pierce County Health Department	09/01/2002	03/24/2003	05/14/2003

STREET AND ADDRESS INFORMATION

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Appendix L

User-Provided Documents

ES-5559.06

ORION Environmental Services
34004 Ninth Avenue South, Suite A12, Federal Way, WA 98003
Phone: (253) 952-6717 • Fax: (253) 927-4714
Email: info@oriones.net • Web: www.oriones.net
WBE W2F9219763

Polarized Light Microscopy Test Report
EPA Method 600/R-98/116

Client: Tacoma Abatement Company LLC
Address: 5111 South Burlington Way, Tacoma, WA 98409
Attention: Matt Ware
Project Name: Peter Chin
Project Number: NA

Rpt. Date: 8/1/2018

Invoice: 184571
Date Rcvd: 8/1/2018

Client Sample ID	Orion Sample ID	Material Description	Sample Treatment	% Asbestos Containing Material	Asbestos Type	Other Fibers
1-2nd fl bed-a	20180802-21	Texture		ND		
1-2nd fl bed-b		Joint compound		ND		
1-2nd fl bed-c		Wallboard		ND		cellulose
2-kitchen	20180802-22	Texture		ND		
3-dining	20180802-23	Texture		ND		
4-loft	20180802-24	Texture		ND		
5-living room	20180802-25	Texture		ND		
6-common room	20180802-26	Texture		ND		
7-entry-a	20180802-27	Texture		ND		
7-entry-b		Wallboard		ND		
8-living room	20180802-28	Clear mastic		ND		cellulose
9-kitchen	20180802-29	Gold mastic		ND		cellulose
10-counter kitchen	20180802-30	Clear mastic		ND		cellulose
11-windows	20180802-31	Caulking		ND		

Polarized Light Microscopy Test Report (cont.)

Client: Tacoma Abatement Company LLC
Address: 5111 South Burlington Way, Tacoma, WA 98409
Attention: Matt Ware
Project Name: Peter Chin
Project Number: NA

Rpt. Date: 8/1/2018
Page: 2 of 2
Invoice: 184571
Date Rcvd: 8/1/2018

Client Sample ID	Orion Sample ID	Material Description	Sample Treatment	% Asbestos Containing Material	Asbestos Type	Other Fibers

Dup: Laboratory QA/QC Duplicate; M; Mastic [(a), (b), (c), etc.]: Sample layers numbered from front to back.
Comments: For layered samples, each component has been analyzed separately. ND means non-detect for asbestos fibers by EPA Method 600/R-98/116.Disclaimers: PLM has been known to miss asbestos in a small percentage of samples that contain asbestos. Thus, these laboratory results represent due diligence, however negative or <1 % PLM results can not be guaranteed. Per EPA guidelines samples will be archived for 30 days then will be disposed of. This report may only be reproduced in full with written approval of ORION Environmental Services.

Analyzed By (Print)	Date	Reviewed By (Print)	Date
Donna McNeal	8/3/2018	Dennis Rauschenberg	8/3/2018
Analyzed By (Signature)	Time	Reviewed By (Signature)	Time

Bulk Sample Log / Chain of Custody

LAB: Orion

LAB Job #: — 84571

# of Samples: 11

Client Company: **Tacoma Abatement Company, LLC**

Client Address: 5111 S Burlington Way
Tacoma, WA 98409

Phone #: (253) 830-5945

Fax #: (253) 276-0267

Job Name: Peter Chin

Job Address: 1224 S. Lane St
Seattle, WA

Report Results To: Matthew Ware

At Phone #: (253) 985-0165

Fax Results: (253) 276-0267

Mail Hard Copy: 5111 S Burlington Way
Tacoma, WA 98409

Email Copy To: matt@tacomaabatement.com

Type of Analysis (Check One)

ASBESTOS	LEAD
☐ PCM (air)	☐ Paint
	☐ Soil
☒ PLM (bulk)	☐ Dust/Wipe (area?)
	☐ Air (volume?)
	☐ TCLP

☑ REGULAR ☐ RUSH

Condition of Package: ☒ Good ☐ Damaged (No Spillage) ☐ Severe Damage (Spillage)

Lab ID	Sample ID	Type	Location
1		Texture/Joint	2FL Bed
2		Texture	Kitchen
3		Texture	Dining room
4		Texture	LOFT
5		Texture	Living room
6		Texture	Comon room
7		Texture	entry
8		Filler	Livingroom
9		Glue	Kitchen
10		Glue	counter/Kitchen
11		Window Glaz	Windows
12			
13			
14			

	Signature	Date	Time
Sampled By:		8-1-18	
Delivered By:		8-1-18	
Received By:		8-1-18	15:30
Analyzed By:			

Special:
Read Abatement Sample # _____ ONLY if Sample # _____ is Greater Than .01 f/cc

fairsplt.vsd

Notice of Asbestos Removal: 8/10/2018

Completion of Asbestos Clean up
Concerning:

Completion of the Asbestos Removal at: 2100 19th Ave Se, Puyallup WA 98372

Per the Department of Labor and Industries WAC regulation 296-155(9) Part S, the asbestos containing materials as identified in the lab results provided by CEI labs, has been removed from this property that was affected. Work practices, personal air monitoring and engineering controls have shown the area to be cleared.

If you have any questions please contact me,

Matthew Ware
Operations Manager
Tacoma Abatement Company, LLC
5111 S. Burlington Way, Tacoma, Wa 98409
Phone: 253-830-5945 Fax: 253-985-0165

PHASE I ENVIRONMENTAL AUDIT

Proposed Sunset Pointe Residential Plat
East of Intersection of 21st St SE and 19th Ave SE
Puyallup, Washington

DESERT CREEK, LLC

ENVIRONMENTAL
ASSOCIATES, INC.

1380 - 112th Avenue Northeast, Suite 300
Bellevue, Washington 98004
(425) 455-9025 Office
(888) 453-5394 Toll Free
(425) 455-2316 Fax

January 14, 2005

JN 24420

Nick Scholten
Desert Creek, LLC
P.O. Box 731989
Puyallup, Washington 98373

Subject: **PHASE I ENVIRONMENTAL AUDIT**
Proposed Sunset Pointe Residential Plat
East of Intersection of 21st St SE and 19th Ave SE
Puyallup, Washington

Dear Mr. Scholten,

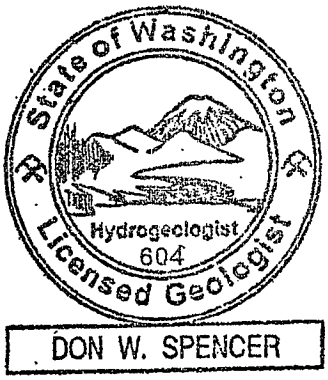
Environmental Associates, Inc., has completed a Phase I Environmental Audit of the subject property located in Puyallup, Washington. This report, prepared in accordance with the terms of our proposal dated December 29, 2004, and in a manner consistent with the intent and methodologies of ASTM E 1527-00, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process", summarizes our approach to the project along with results and conclusions.

The contents of this report are confidential and are intended solely for your use and the use of your representatives. Four (4) copies of this report are being distributed to you. No other distribution or discussion of this report will take place without your prior approval in writing. Additional copies are available for a small fee.

We appreciate the opportunity to be of service on this assignment. If you have any questions or if we may be of additional service, please do not hesitate to contact us.

Respectfully submitted,
ENVIRONMENTAL ASSOCIATES, INC.

Don W. Spencer, M.Sc., P.G., R.E.A.
Principal



EPA-Certified Asbestos Inspector/Management Planner
I.D. # AM 48151

EPA/HUD Certified Lead Inspector (Licensed)

Registered Site Assessor/Licensed UST Supervisor
State Certification #0878545-U7

License: 604	(Washington)
License: 11464	(Oregon)
License: 876	(California)
License: 5195	(Illinois)
License: 0327	(Mississippi)

PHASE "1" ENVIRONMENTAL AUDIT

Proposed Sunset Pointe Residential Plat
East of Intersection of 21st St SE and 19th Ave SE
Puyallup, Washington

Prepared for:

Desert Creek, LLC
P.O. Box 731989
Puyallup, Washington 98373

Questions regarding this investigation, the conclusions reached and the recommendations given should be addressed to one of the following undersigned.

Derek B. Pulvino
Environmental Scientist
EPA-Certified Building Inspector
I.D. # 1010794

Don W. Spencer, M.Sc., P.G., R.E.A.
Principal

EPA-Certified Asbestos Inspector/Management Planner
I.D. # AM 48151

EPA/HUD Certified Lead Inspector (Licensed)

Registered Site Assessor/Licensed UST Supervisor
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License: 604 (Washington)
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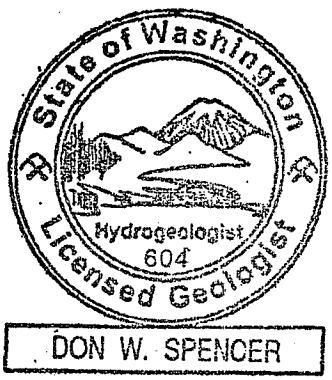
License: 876 (California)
License: 5195 (Illinois)
License: 0327 (Mississippi)



Reference Job Number: JN 24420

January 14, 2005

ENVIRONMENTAL ASSOCIATES, INC.

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METHODOLOGY/SCOPE OF WORK

Our study approach consisted of completing a series of investigative tasks intended to satisfy the level of effort often referred to as "due diligence" by the "innocent purchaser" in the context of the Superfund Amendment and Reauthorization Act of 1986 (SARA), and nearly identical requirements set forth in the Model Toxics Control Act (MTCA), Chapter 70.105 D (Section 040) RCW pertaining to standards of liability. The objective of a Phase I audit is to reduce potential risk for exposure to future liability for environmental problems by demonstrating that at the time of acquisition or refinancing, the owner, buyer, or lender had no knowledge or reason to know that any hazardous substance had been released or disposed of on, in, or at the property. Moreover, in defining the purpose of the Phase I environmental site assessment process, section 1.1.1 of ASTM E-1527 advises that the goal of a Phase 1 is to identify "recognized environmental conditions," and defines a recognized environmental condition as "the presence or likely presence of any hazardous substances. . . on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances . . into structures on the property or into the ground, groundwater, or surface water of the property."

In an effort to evaluate condition and previous uses of the property in a manner consistent with good commercial and customary practice and in accordance with methods outlined under ASTM E 1527-00, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process", our scope of work for this study included:

- Review of chronology of ownership and site history using the resources of the Pierce County Assessor's Office, business directories from several time periods, and aerial photography from several time periods as primary resources. This included an attempt to identify possible former industries or uses presenting some potential for generating waste which may have included dangerous or hazardous substances as defined by state and federal laws and regulations.

- Acquisition and review of available reports and other documentation pertaining to the subject site or nearby sites.

- Review of Washington Department of Ecology (WDOE) and Puyallup/Pierce County Department of Public Health documents regarding current and abandoned landfills.

- Review of the current EPA Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS), the EPA National Priority List (NPL), the EPA Resource Conservation and Recovery Act (RCRA) Notifiers, RCRA Corrective Action Report (CORRACTS), and Emergency Response Notification System (ERNS) lists of sites which are potentially contaminated or which produce hazardous substances as a normal part of their commercial operation in the vicinity of the site.

- Review of the current Washington Department of Ecology (WDOE) listing of underground storage tanks (USTs) along with the WDOE's Leaking Underground Storage Tank (LUST) listing for WDOE-documented leaking USTs in the vicinity of the subject property.

- Review of the current WDOE Confirmed and Suspected Contaminated Sites (CSCS) list of potentially contaminated sites which have been the subject of hazardous waste investigation and/or cleanup activity in conjunction with the Washington Model Toxics Control Act (MTCA) Chapter 173-340 WAC.

- Review published documents from the Bonneville Power Administration (BPA) to evaluate the risk for naturally occurring radon.

- A reconnaissance of the subject property and neighboring areas to look for evidence of potential contamination in the form of soil stains, odors, asbestos, lead-based paint (LBP), vegetation stress, discarded drums, discolored water, careless manufacturing or industrial practices, etc.

- Preparation of a summary report which documents the audit process and findings.

FINDINGS

GENERAL DESCRIPTION

The subject property consists of four separate tax parcels with together comprise an irregular-shaped parcel covering approximately 890,000 square feet (20 acres) of land. Improvements to the property include multiple buildings such as residences, barns, garages, and utility sheds. The improvements on the site, as documented by the Pierce County Assessor's Office, are outlined in the table below.

Stories	Framing/ construction	Size	Date of Construction	Roof
Tax Parcel: 0420353026				
Single story residence	Wood Framed	1,104	1928	Pitched with composition shingles
Tax Parcel: 0420353027				
Single story residence	Wood-framed	912	1924	Pitched with composition shingles
Single story storage shed	Wood-pole supported	10,000	1940	Pitched, surfacing not listed

Stories	Framing/ construction	Size	Date of Construction	Roof
Tax Parcel: 0420353027(continued)				
Single story barn	Wood-pole supported	4,480	1950	Pitched, surfacing not listed
Single story storage shed	Wood-pole supported	4,000	1950	Pitched, surfacing not listed
Two-story, detached garage	Cinder block	1,092	1940	Pitched, surfacing not listed

The Pierce County Assessor's Office did not list improvements on the remaining two parcels (#'s 0420357011, 0420353009). Currently the property is utilized as a residential property, with only the western house on the property (parcel# 0420353026) occupied. According to Mr. Richard Tanner, current occupant, the structures on the eastern portion of the site are occupied. The approximate location of the site is shown on the Vicinity Map, Plate 1, appended herewith.

The property is located in a rural/residential area approximately one-mile southeast of downtown Puyallup, Washington. Photographs reflecting the character of the subject property are provided with this report as Plates 4 and 5.

A brief description of land use on nearby parcels is provided below. Plate 3, Site Plan, depicts the setting of the subject property and land use for adjacent sites.

North: A residential subdivision is located adjacent to the northern border of the subject property.

South: A residential subdivision is also located adjacent to the southern border of the subject property.

East: The residential subdivision located to the north of the subject property also extends to run along the eastern border of the subject property.

West: A residential subdivision is located to the west of the southern portion of the subject property. Land to the west of the northern edge of the subject property is also residentially developed, however with a lower development density than sites located adjacent to the rest of the property.

According to the Pierce County Assessor's Office, the subject property is zoned for residential and agricultural use.

GEOLOGIC SETTING

Physiographically, the site is situated on a gently rolling elevated plain (the Vashon Drift Plain) which was formed during the last period of continental glaciation that ended approximately 13,500 years ago.

Published geologic maps for the site vicinity (Jones, 1999) suggest that much of the material underlying the subject site may be recessional gravel, a "moderately to poorly sorted gravel and sand with small amounts of silt and clay." Typically, the recessional deposits exhibits relatively moderate to high vertical hydraulic conductivity which frequently results in formation of a "perched" water table along interstitial contacts. The "perched" water table (if present) is frequently seasonal and derives recharge primarily from infiltration of precipitation through more permeable overlying soils.

Topographically, the site is situated on a northerly facing slope ranging from approximately 240- to 380-feet above sea level. Based upon inference from topography and local drainage patterns, it appears that shallow-seated groundwater (if present) in the vicinity of the subject property may flow in a northerly direction.

Although no site specific information has been developed by our firm with respect to depth to groundwater at this site, our experience in the area suggests that "perched" groundwater (if present) beneath the site may lie at a depth of approximately 10 to 20 feet or more beneath the ground surface.

With respect to surface water resources, several small unnamed ponds are located on the subject property.

DEVELOPMENT HISTORY AND LAND USE

Sources reviewed for information on site and area development and land use included the resources of the Seattle and Tacoma Public Libraries, Pierce County Assessor's Office, and aerial photographs of the subject property and surrounding area from several time periods.

Aerial photographs of the area were reviewed for the years 1969, 1979, 1985, 1996, 2000, and 2003. The following paragraphs provide an interpretive summary of our observations in each photo. The time intervals between the various historic aerial photographs selected for this particular project are, in our opinion, entirely adequate for the intended purpose which was to permit a general assessment of overall development and land use in the vicinity of the subject property.

1969 All of the currently present structures are visible on the property. Four small sheds are visible approximately 75-feet northeast of the southern on-site house. The currently present pond is not visible. A gravel mining operation is visible on the adjacent property to the south of the site. Two conveyor/loading belts are visible at the mine. As indicated by an access drive/road going from this gravel

mine to the southern portion of the site, the southern onsite structures appear to be utilized by the mining operation. The land located adjacent to the west is roughly half cleared and half forested. A small area of surface grading is visible adjacent to the eastern border of the northen portion of the site. Generally, a minimal quantity of houses are visible in the area of the site.

1979 Small areas of surface grading are visible both near the northern onsite house and on the southeast corner of the pasture area. The area adjacent to the east of the site, formerly noted as graded, has now become a residential housing development (to east/northeast). A new pond is visible within the gravel mining property. Trees/shrub vegetation has regrown on approximately 50% of the adjacent mining site.

1985 The graded area is no longer visible within the pasture, however the graded area near the northern house appears to be utilized as a parking area. To the south, the operations at the gravel mining site have expanded westward. No other significant changes are visible from the previous photograph.

1996 Development as a residential housing sub-division has commenced on the southern adjacent gravel mine property. The pond remains within the gravel mine site. Onsite, the current pond is now visible. Within the subject property pasture, trees continue to regrow. Several of the small sheds near the southern house on the property are no longer discernable.

2000 The housing development has been completed to the west/southwest of the site, on the former gravel mine property. None of the small sheds are visible in the vicinity of the southern onsite house.

2003 The houses currently present to the west/northwest of the site are either in construction or have been constructed. In general terms, the majority of the site vicinity has now been developed with residential properties.

PROPERTY CONVEYANCE/OWNERSHIP DATA

From the file resources of the Pierce County Assessor's Office and resources of the Tacoma and Seattle Public Libraries, the following limited history of ownership has been established:

SOURCE	OWNER	DATE OF PURCHASE
tax parcel #0420353026		
Pierce County Assessor's Office	Ottinger, Sharon	Not Listed
Metsker's Atlas of Pierce County (1965, 1951)	Greeley, V	Not Listed
Metsker's Atlas of Pierce County (1941)	V.B., L.T. and A.B. Greeley	Not Listed

SOURCE	OWNER	DATE OF PURCHASE
Kroll Atlas of Pierce County (1924)	Mark Graves, Jms Williams	Not Listed
Kroll Atlas of Pierce County (1915)	Mark Graves, E.G. Griswold	Not Listed
tax parcel #0420353027		
Pierce County Assessor's Office	Greeley, Grace Ardell	Not Listed
Metsker's Atlas of Pierce County (1965, 1951)	Greeley, V	Not Listed
Metsker's Atlas of Pierce County (1941)	V.B., L.T. and A.B. Greeley	Not Listed
Kroll Atlas of Pierce County (1924)	Mark Graves, Jms Williams	Not Listed
Kroll Atlas of Pierce County (1915)	Mark Graves, E.G. Griswold	Not Listed
tax parcel #0420357011		
Pierce County Assessor's Office	Greeley, Grace	11/26/1990
Pierce County Assessor's Office	Parkwood Homes	4/20/1990
Metsker's Atlas of Pierce County (1965, 1951)	Greeley, V	Not Listed
Metsker's Atlas of Pierce County (1941)	V.B., L.T. and A.B. Greeley	Not Listed
Kroll Atlas of Pierce County (1924)	Mark Graves, Jms Williams	Not Listed
Kroll Atlas of Pierce County (1915)	Mark Graves, E.G. Griswold	Not Listed
tax parcel #042035309		
Pierce County Assessor's Office	Greeley, Grace	11/26/1990
Metsker's Atlas of Pierce County (1965, 1951)	Greeley, V	Not Listed
Metsker's Atlas of Pierce County (1941)	V.B., L.T. and A.B. Greeley	Not Listed
Kroll Atlas of Pierce County (1924)	Mark Graves, Jms Williams	Not Listed
Kroll Atlas of Pierce County (1915)	Mark Graves, E.G. Griswold	Not Listed

According to resources available at the Tacoma and Seattle Public Libraries the Pierce County Assessor's Office, and a review of aerial photographs, the subject site was developed as early as 1924 with a single-family dwelling. Subsequent development of an additional residence as well as several storage sheds and barns occurred between that time and approximately 1950. In the earliest available aerial photograph (1969), the northern portion of the property currently used for pastoral purposes had been cleared of trees and other low-standing shrubbery, while a road/driveway was observed connecting the southern margin of the property with the gravel mine operating to the south of the site. Conversations with one of the current occupants/owners of the subject property (Pat Tanner) confirmed the use of the southern onsite buildings by the adjacent gravel mining operation. The exact nature of this usage (i.e. vehicle fueling, maintenance, clerical offices, etc) was not disclosed. Sanborn Fire Insurance maps did not provide coverage in the vicinity of the subject property. Borrowing from the jargon of ASTM, no "reasonably ascertainable" or "likely to be useful" information prior to 1924 was available. The absence of such information has no material effect upon the conclusions of this report.

Historic reverse street directories and archive records documented seven (7) occupants of the property in the directories/records reviewed for the years 1953 through 2003. These occupants included:

LISTED OCCUPANT	ADDRESS OF BUSINESS	OCCUPATION OF SITE (date of Polk's Guide Listing)
ON SUBJECT SITE		
Hill Top Gravel	2102 19th Ave SE	1953
Greeley, Vinto		1953
Greeley, Grace		1959
Ingham, Gerald	2100 19th Ave SE	1972
Ottinger, Edw		1979, 1985
Ottinger, Sharon		1990, 1997, 2003
Frontier Museum	2301 23rd Ave SE	1979, 1985, 1990
SOUTH/WEST OF SUBJECT SITE		
Hilltop Concrete Co	2223 23rd Ave SE	1959
Reid Concrete Inc.		1965
South Hill Sand and Gravel		1990

SITE RECONNAISSANCE

An Environmental Scientist/EPA-certified Asbestos Building Inspector from our firm visited the property on January 5, 2005 to review on-site conditions and land use practices in the surrounding area. Mr Nick Schoelten, potential purchaser of the property, arranged for access to the site. The representative areas reviewed during our site visit included the exterior grounds, and adjacent property usages. Access to the structure interiors was not provided to EAI during the course of our site reconnaissance.

As mentioned earlier, existing improvements to the subject property include multiple 1924-1950-vintage buildings. For further information on building construction details, please refer to the General Information section within this report. A gravel drive accesses the property from the northwest. Gravel/dirt covered parking areas are located adjacent to the onsite structures. Landscaped areas are situated adjacent to the houses, with the majority of the remaining property cleared pasture land. Residents occupy one of the onsite buildings. The remainder of the buildings are not occupied on a full time basis for residential or commercial purposes. Typical building materials and/or conditions observed during our site reconnaissance included:

- Floors appeared to be wood or concrete covered with carpet, sheet vinyl, or square vinyl tile.

- Interior walls throughout the building are painted sheetrock, natural wood, or concrete.

- Ceilings are painted drywall, or "popcorn" textured materials.

- A wood-fired stove is reported to be the sole current source of heat for the two residences. Referring to Photo #3 of Plate #5, an above-ground storage tank used to store heating oil was observed adjacent to the southern wall of the northern onsite residence. According to Ms. Tanner, use of this tank was discontinued approximately 20-years ago. No staining was noted near the base of this tank.

- Multiple junked cars were observed in the area of the northern house. No leaking or odors were noted in the vicinity of these vehicles. According to Richard Tanner, one of the current residents, these cars are slated for disposal and not used for parting out or onsite repair work.

- Cultural debris such as lumber, furniture, fencing, appliances, and general household rubbish was noted in the vicinity of the buildings located on the southern portion of the site.

- A steel vertical rack containing three separate above ground tanks/drums was noted near the southern border of the subject property. Although the bottom of one of these tanks was rusted out, no odors, stained soil, or disturbed vegetation was noted in the vicinity of these tanks. According to Ms. Tanner, these tanks were used to store gasoline to refuel the gravel mining vehicles. Ms. Tanner did not report any spills or releases from these tanks.

- A small pond was noted approximately halfway between the two onsite residences, on the southern side of the driveway. A soil retention wall consisting of battery casings was noted on the northern edge of this pond, at the area were the driveway crosses the ponds drainage conduit. According to Ms. Pat Tanner, property owner, these batteries were brought on the site approximately 40-years ago after being obtained from a local battery recycler (Kiby's Battery Company). Ms. Tanner stated that prior to purchasing the battery casings, Kiby's had removed the contents and cleaned the interiors of the casings. Onsite, the empty casings were then filled with soil and stacked in their present configuration adjacent to the roadway. More recently, Mr. Scholten of Desert Creek, LLC (potential purchaser of site) informed us (EAI) that in an attempt to independently evaluate environmental conditions, his company had collected a single soil sample from inside one of these battery casings. The sample was submitted by Desert Creek to Spectra Laboratories for Lead Toxicity Characteristic Leaching Potential (TCLP) and pH analyses. Analysis indicated the leachable lead concentrations to be 0.38-parts per million (ppm). The pH analysis indicated the soils to be slightly basic (7.5 pH units). As a basis for comparison of TCLP results to <u>total concentrations</u>, an unofficially adopted "rule of thumb" used by some regulators and investigators is that <u>total</u> concentration of a given metal in soils can be roughly estimated by multiplying the TCLP results by a factor of twenty. Using this calculation, an <u>estimated</u>

"total concentration of lead in the tested soil would be roughly 7.6-ppm, a concentration below the median concentration of "total" lead in soils of the Puget Sound region, as detailed by the Washington State Department of Ecology, in "Natural Background Soil Metals Concentrations in Washington State" (publication #94-115). To the extent that the results of the sampling and analysis undertaken by Desert Creek are reflective of conditions at other locations near the wall, it would then be possible to conclude that the risk of environmental impacts relating to this battery casing wall would be relatively low.

- An additional area of accumulated rubbish and household waste was noted in the vicinity of the northern house on the subject property.

According to Ms. Pat Tanner, no hazardous waste is generated on the property. In addition, she stated that there are no below-ground fuel storage tanks on the property. No obvious, visually discernable evidence to suggest the presence of any underground fuel storage tanks (i.e., vent lines, filler caps, etc.) was noted on the property. Similarly, no groundwater monitoring wells were noted on the property. At the time of our visit, no stains, odors, or unusual vegetation conditions that might otherwise indicate the potential presence of hazardous materials were observed on the subject property.

CHECK FOR PCB-CONTAINING MATERIALS

Prior to 1979, polychlorinated biphenyls (PCBs) were widely used in electrical equipment such as transformers, capacitors, switches, fluorescent lights (ballasts) and voltage regulators owing to their excellent cooling properties. In 1976, the EPA initiated regulation of PCBs through issues pursuant to the Toxic Substances Control Act (TSCA). These regulations generally control the use, manufacturing, storage, documentation, and disposal of PCBs. EPA eventually banned PCB use in 1978, and adoption of amendments to TSCA under Public Law 94-469 in 1979 prohibited any further manufacturing of PCBs in the United States.

Light Fixtures

Based upon the age of the onsite buildings (1924 through 1950-vintage), it is conceivable that some transformer ballasts containing PCB's may exist within these buildings. In the event that ballasts are later discovered which do not possess clear labeling stating "No PCB's", we have attached an EPA information pamphlet as Appendix C for information regarding the handling and disposal of such ballasts.

Main Service Electrical Transformers

Pole mounted main service electrical transformer was noted on the eastern edge of the property. No certifications or labels regarding PCBs were noted on the transformer. Careful examination of the transformer revealed no cracks, staining, or other evidence of potential leakage. Liability for this equipment ultimately lies with the utility company in any event.

CHECK FOR ASBESTOS-CONTAINING MATERIALS

During our site review, five (5) types of materials suspected to possibly contain asbestos were observed within the subject building. These materials included a ceiling/wall plaster, vinyl floor-tile, sheet-vinyl, window glazing, and popcorn ceiling. At the time of this writing we were not authorized by the client to sample or test the suspect materials to confirm or deny this presumption. A summary of the suspect materials is provided in the table below. As Eai Was not granted interior access, this list was compiled based upon materials visible from the exterior building windows, as well information supplied by the onsite residence.

MATERIAL	LOCATION	CONDITION[1]
Gypsum Wallboard	Throughout residence interiors	Good
Vinyl Floor Tile	Various locations within residences	Good
Sheet Vinyl Flooring	Various locations within residences	Good
Popcorn Ceiling	Front room of northern residence	Good
Window Glazing	Exterior of multi-pane windows	Good

Note: 1 - Material condition was evaluated borrowing criteria adopted under the Asbestos Hazard Emergency Response Act (AHERA), 40 CFR, part 763.

Our effort regarding identification of asbestos-containing materials within the subject building was a preliminary review and not an asbestos survey. Since no destructive sampling was authorized for this audit, materials not readily accessible such as roofing materials and/or materials obscured behind, beneath, or within walls or existing flooring materials were not reviewed.

REVIEW FOR LEAD-BASED PAINT

Lead was formerly a common additive to many paints to improve their durability and coverage. Lead-based paint presents a special hazard to small children who can ingest it by chewing on painted woodwork or eating flakes of paint. A number of studies showing the toxic effects of lead on humans, and on small children in particular, prompted the Consumer Product Safety Commission to mandate in 1977 that the amount of lead in most paints, including those for residential use, should not exceed 0.06 %.

A review of exterior painted surfaces on the subject property was conducted to assess the potential for lead-content in surface layers of paint. Representative painted surfaces (listed in the table below) were analyzed using "Lead-Check" sodium rhodizonate color reagent paint tests. These tests provide a qualitative indication as to whether lead is present in paint samples with reproducible results to a lower detection limit of 0.5 percent, a level corresponding to a threshold of concern established by HUD.

PAINTED SURFACE	RESULT
White wood trim on southern house exterior	Positive
Red wooden trim on exterior of detached garage on southern portion of site	Positive
White painted aluminum siding on exterior of southern house	Non-Detect
White painted wood on exterior of barn door, southern portion of property	Positive

As noted in the table above, three (3) of the surfaces tested using the "Lead Check" screening method showed a reddish hue response characteristic of the sodium rhodizonate method as an indication of the likely presence of lead in the painted surfaces. On that basis, we conclude that lead was likely present in the surfaces which tested positive.

RADON EVALUATION

Occurrence

Radon is a naturally occurring, highly mobile, chemically inert radioactive gas created through radioactive decay of uranium and thorium. The potential for occurrence of radon varies widely and is dependent upon (1) the concentration of radioactive materials in the underlying bedrock; (2) the relative permeability of soils with respect to gases; and (3) the amount of fracturing or faulting in surficial materials (EPA, 1987).

Health Risks

The concern regarding radon and its potential effects upon humans arises from the results of studies (EPA, 1987) which suggest that approximately fifteen percent of all lung cancer mortalities in the United States may be attributable to exposure to radon.

The EPA has established a concentration of radon of four (4) picocuries per liter (pCi/l) as a maximum permissible concentration "action level". Concentrations above this value would signal a potential health threat. According to some studies, an average concentration in homes across the United States is on the order of 1.4 pCi/l.

Risk of Potential Exposure in the Puyallup Area

The Bonneville Power Administration (BPA) recently published the results of measurements for radon made in residences throughout the region they serve which includes Washington, Oregon and Idaho. For the Puyallup area in the immediate vicinity of the subject property eleven tests have been performed. The results of their work (BPA, 1993) suggest that radon levels over 4 pCi/l were detected in two of the monitored residences in the vicinity of the subject site. Additionally, the average listed radon reading in the subject site township was 0.41 pCi/l, well below the EPA threshold of concern.

On the basis of the findings presented in the cited BPA survey, we conclude that the potential for exposure to naturally occurring radon at the subject site is very low.

WATER SUPPLY, WASTE WATER AND SOLID WASTE MANAGEMENT

Information supplied by Ms. Tanner revealed that water service is provided by onsite wells. Onsite septic systems service the current wastewater needs.

As discussed in the Site Reconnaissance section of this report, various areas of collected refuse were noted on the property.

REVIEW OF WASHINGTON DOE LISTING OF UNDERGROUND STORAGE TANKS

Review of the current Washington Department of Ecology listing of underground storage tanks (USTs) suggests that no facilities with registered USTs are located within a one-quarter mile radius of the subject property. Similarly, according to the most recent WDOE Leaking Underground Storage Tank (LUST) listing, none of the listed tank facilities located within an approximately one-half mile radius of the subject property have reported accidental releases or leakage to the WDOE in the past.

EPA & STATE RECORDS OF POTENTIALLY HAZARDOUS SITES

Superfund and NPL Review of the current EPA Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) and National Priority List (NPL) listings revealed no CERCLIS and no NPL sites within approximately one mile of the subject property that have been designated as potentially hazardous or eligible for participation in the Superfund cleanup program.

CORRACTS Review of the current EPA Corrective Action Report (CORRACTS) listing revealed that no CORRACTS sites are located within approximately one mile of the subject property that have been designated as having a potential release at the property under RCRA.

MTCA/CSCSL The Washington Department of Ecology hazardous waste cleanup and investigation program was launched in 1989 as a part of the Model Toxics Control Act (MTCA), Chapter 173-340 WAC, in order to evaluate potential and actual hazards at sites within the state. Of the more than 1,730 sites currently on the WDOE Confirmed and Suspected Contaminated Sites (CSCS) list, none are located within a one mile radius of the subject property.

RCRA/FINDS/ TSDs Review of EPA's Treatment, Storage and Disposal (TSD) facilities listing for sites that treat, store, or dispose of potentially hazardous materials revealed that no TSD sites are located within a one mile radius of the subject property.

Additionally, review of the Resource Conservation and Recovery Act (RCRA) listings, also revealed no RCRA Generators within a one-quarter mile radius of the subject property, and no RCRA Non-Regulated generators within a one-eighth mile radius of the subject property.

ERNS Review of the EPA's Emergency Response Notification Systems (ERNS) list for the State of Washington revealed that the subject site has not reported a spill. This list has been compiled with periodic updates since October 1987.

LANDFILLS

A review of WDOE and Tacoma/Pierce County Health Department documents regarding current and abandoned landfills revealed that there are no documented landfills located within a mile radius of the subject property.

CONCLUSIONS/RECOMMENDATIONS

Consistent with the report language requirements defined under ASTM E-1527-00 "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process", and more specifically section 11.7 thereto, the following conclusory statements are made:

We (EAI) have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E-1527 of the Proposed Sunset Pointe Residential Plat, located to the east of the intersection of 19th Avenue SE and 21st Street SE, Puyallup, Pierce County, Washington. No exceptions to, or deletions from this practice were made. This Phase I assessment has revealed no evidence of "recognized environmental conditions" as defined by ASTM in connection with the property except for the acknowledged past storage and dispensing of motor fuel (gasoline) associated with vehicles used in commercial mining of gravel in the site vicinity. Additional discussion and guidance is provided below.

HISTORIC ABOVE-GROUND STORAGE AND DISPENSING OF GASOLINE

Referring to Photo #1 on Plate 5 and as discussed briefly in earlier sections of the report, the current occupant of the site (Tanner) disclosed that gasoline was historically stored in and dispensed from multiple above-ground tanks located on the southern part of the property in support of vehicles associated with gravel mining operations. The bottom of one of the tanks was rusted out at the time of our site visit.

In defining the purpose of the Phase 1 environmental site assessment process, section 1.1.1 of ASTM E-1527 advises that the goal of a Phase 1 is to identify "recognized environmental conditions", and defines a recognized environmental condition as:

> "the presence or likely presence of any hazardous substances. . . on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances . . into structures on the property or into the ground, groundwater, or surface water of the property".

By virtue of the materials (motor fuel in substantial volume) stored at the subject site over a potentially extended period, in the context of the ASTM definition, such gasoline storage and dispensing operations appear to qualify as a "recognized environmental condition" for this property.

A list of mitigating factors which may moderate contemporary concerns regarding this aspect of site history from a purchase or lending perspective would include the following:

(1) No evidence was found in the public record to suggest that a release has occurred at the site;

(2) No obvious, visually discernable evidence to suggest or confirm that a release had occurred was observed in the course our (EAI's) visual reconnaissance of the property;

(3) If the findings of this report were disclosed to the Washington Department of Ecology (WDOE), it is unlikely that the WDOE would impose a requirement for additional studies or other actions upon the property owner, lender(s), or other involved parties.

In summary, without benefit of factual information in the form of sampling and testing in the vicinity of the fuel storage and dispensing area, the strongest conclusion we (EAI) can offer at this time is simply that we are not aware of a specific environmental problem which has been shown to be adversely affecting the environmental integrity of the subject property.

If, for reasons of their own, the client, owner, lender, or other involved parties desire a higher degree of confidence than is afforded by the current level of knowledge, limited but statistically representative shallow subsurface sampling in areas proximal to the former fuel storage and dispensing area supported by appropriate laboratory analysis could be employed to confirm actual subsurface environmental conditions in that area. As strongly implied under section 4.5.3 of ASTM E-1527, decision-making authority in that regard clearly lies with the client and/or other involved parties, depending upon their individual risk tolerances.

NON-CERCLA CONDITIONS

Non-CERCLA conditions of potential environmental significance identified at the subject site include:

- Potential PCB-containing fluorescent light ballasts within the subject buildings.
- Presence of "suspect" asbestos-containing building materials in the form of ceiling/wall plaster, vinyl floor-tile, sheet-vinyl, window glazing, and popcorn ceiling.
- Presence of a white and red lead-containing paint on the exterior of onsite structures.

Guidance with respect to future management of the above-noted non-CERCLA conditions is provided in the following paragraphs.

PCBS

Based upon the information developed during the course of our site review, it appears that some or all of the transformer ballasts in the fluorescent lights in the subject buildings may contain polychlorinated biphenyls (PCBs).

In our opinion, there is no immediate cause for concern regarding the potential for PCB-containing light ballasts. The only likely potential for exposure to PCBs would come in the event that one of the sealed ballasts were ruptured through abusive handling or as a result of a defect in a ballast.

It may be prudent to implement a management policy providing the inspection of ballasts by maintenance personnel during routine bulb changing activities. Ballasts may be periodically checked or replaced depending upon long-term management desires. Please refer to the attached EPA pamphlet, Appendix C, regarding appropriate handling and disposal practices for such ballasts.

ASBESTOS

Borrowing evaluation criteria adopted under the Asbestos Health Emergency Response Act (AHERA, 40 CFR Part 763), the observed potentially asbestos containing materials, enumerated earlier in this report are in "good" condition. In the current use and condition, the materials pose no threat to public health or to the environment.

To reduce exposure to potential future liability, and in an effort to comply with regulations regarding the presence of asbestos in commercial and apartment buildings under Chapter 296-62-07753 WAC, it may be prudent to consider implementation of a management policy (Operations and Maintenance Program/O&M) whereby all maintenance, repair, or service personnel who may be engaged to work

on the property are formally advised (i.e., signed acknowledgment) as to the "suspected" presence of asbestos-containing materials (ACM) prior to commencement of any work associated with the ACM.

Should the owner intend to renovate, demolish, remodel, or repair any or all portions of the structure containing asbestos, please note that applicable sections of WAC 296-65 require that all projects relating to construction, demolition, repair, or maintenance where release or likely release of asbestos fibers into the air could occur must be performed by "certified asbestos workers". Additional information may be obtained through the offices of Environmental Associates, Inc., or directly from the Washington State Department of Labor and Industries, P.O. Box 207, Olympia, Washington 98504. Finally, if future representative sampling and laboratory testing of these suspect materials were to confirm that they do not contain asbestos, these recommendations may logically be disregarded.

LEAD-BASED PAINT

As discussed earlier, a positive qualitative reaction suggesting the likely presence of lead was observed during "Lead Check" testing of the painted wood exterior finishes on several of the buildings located on the southern portion of the property. On the basis of the positive indications, we conclude that lead is most likely present in these areas, and could conceivably be in other areas as well. All painted surfaces were in poor to fair condition. Additional sampling and testing would be required to quantify the concentration of lead and the extent of the lead-bearing paint.

As with asbestos, workers who may have cause to disturb suspect lead-bearing surfaces in future activities as renovation, demolition, etc., should be formally advised of these findings so that they may take appropriate precautions in terms of exposure. Special handling and disposal requirements may apply in the event that lead-bearing painted surfaces are disturbed, removed, or demolished at this facility.

Alternative management approaches to resolve lead paint issues frequently include: (1) painting over paint layers containing lead with high density quality penetrating/sealing paint; or (2) removal of the paint under controlled conditions to prevent the release of lead-bearing paint into the atmosphere. Current thinking on this issue according to U.S. EPA Region 10, is to manage the material in-place until a structure is renovated or demolished.

With the endorsement of the Lead Based Paint Hazard Reduction Act, Title 10, came the need for special care on the part of landlords, consultants, and others who may become involved with lead-bearing structures to minimize potential health hazards as well as legal liabilities. Appendix D to this report provides an informational pamphlet which may be useful in gaining familiarity with concerns and practices relating to lead in residential structures. Additional information and guidance may be obtained directly from Environmental Associates, Inc., or from EPA.

Finally, under Section 1018 of the Residential Lead Based Paint Hazard Reduction Act of 1992 (also known as Title 10), the owner may be required to provide new renters as well as tenants renewing leases with (1) the standard EPA Pamphlet "Protect Your Family from Lead in Your Home" and (2) disclosure of all known lead-based paint occurrences at the facility.

LIMITATIONS

This report has been prepared for the exclusive use of Desert Creek, LLC, along with and their several representatives for specific application to this site. Our work for this project was conducted in a manner consistent with that level of care and skill normally exercised by members of the environmental science profession currently practicing under similar conditions in the area, and in accordance with the terms and conditions set forth in our proposal dated December 29, 2004. Conclusions and opinions offered here pertaining to materials and/or conditions rely solely upon results of sampling and testing conducted by others at separated sampling localities and conditions may vary between sampling localities or at other locations or depths. The environmental condition of subsurface soil and/or groundwater cannot typically be determined by visual examination of surficial conditions such as afforded by the scope of a Phase I audit such as performed here. Acknowledging that limitation, no warranty in that regard is made. No other warranty, expressed or implied, is made. If new information is developed in future site work which may include excavations, borings, studies, etc., Environmental Associates, Inc., must be retained to reevaluate the conclusions of this report and to provide amendments as required.

The level of effort regarding identification of potential ACM should be considered a reconnaissance, should not be confused with an asbestos survey, and should not be used as a sole informational resource for removal, construction, or abatement bidding purposes.

REFERENCES

GENERAL

Bonneville Power Administration (BPA), January 1993, Radon Monitoring Results from BPA's Residential Conservation Program, Report No. 15, (with April 1993 Map).

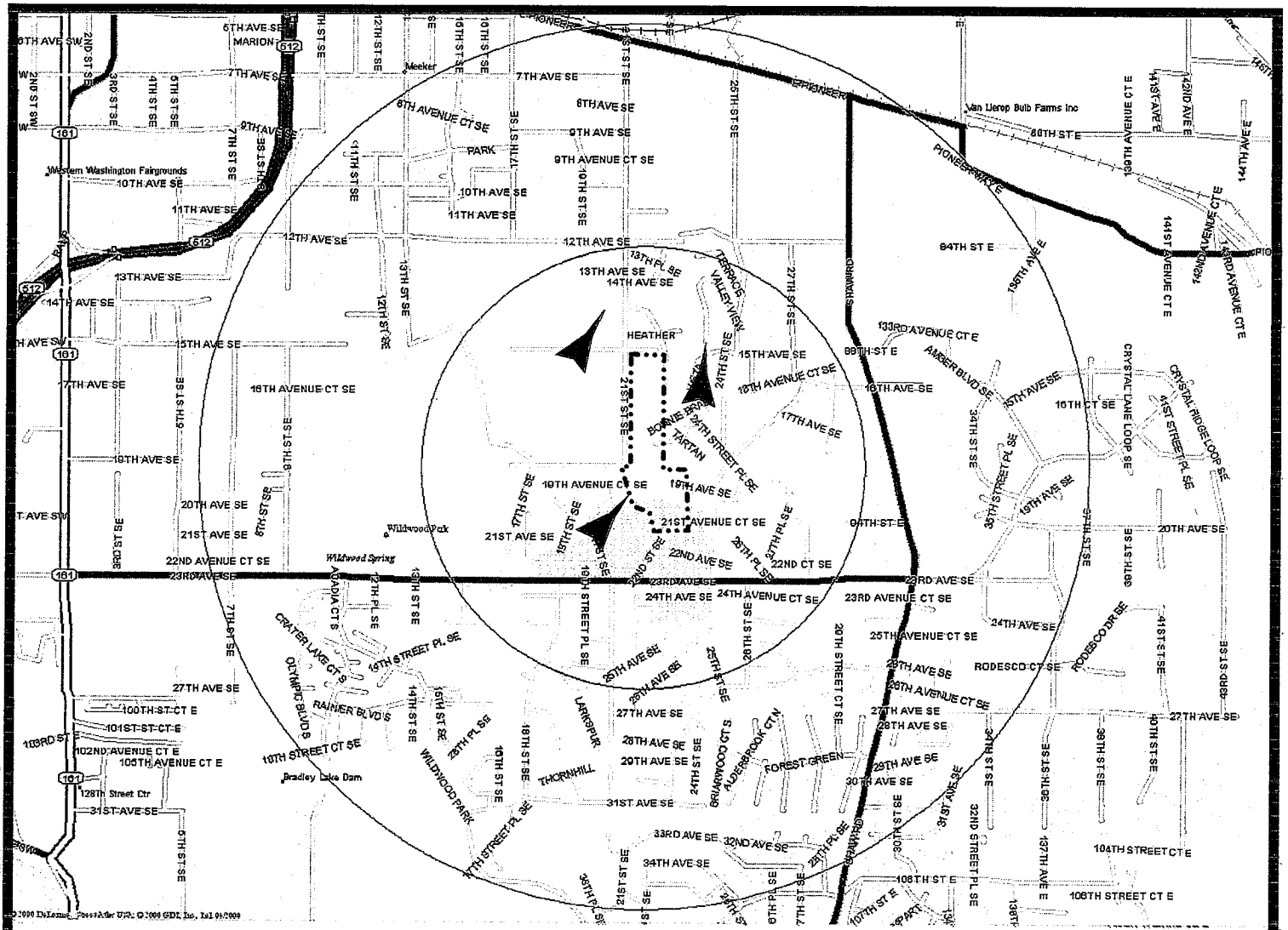
Environmental Protection Agency (EPA), September 1987, Radon Reference Manual EPA 520/1-87-20.

Jones, M.A., 1999, Geological Framework for The Puget Sound Aquifer System, Washington and British Columbia, USGS, Professional Paper 1424-C, plate 11.

Thomas Brothers Map Co., 1995, The Thomas Guide: King/Pierce/Snohomish Counties.

U.S. EPA, April 1994. Reducing Lead Hazards When Remodeling Your Home. EPA 747-R-94-002. 20 pps.

U.S. Geological Survey, 1961, Puyallup, Washington, 1:24,000 Quadrangle. Photorevised 1981, 1 sheet.



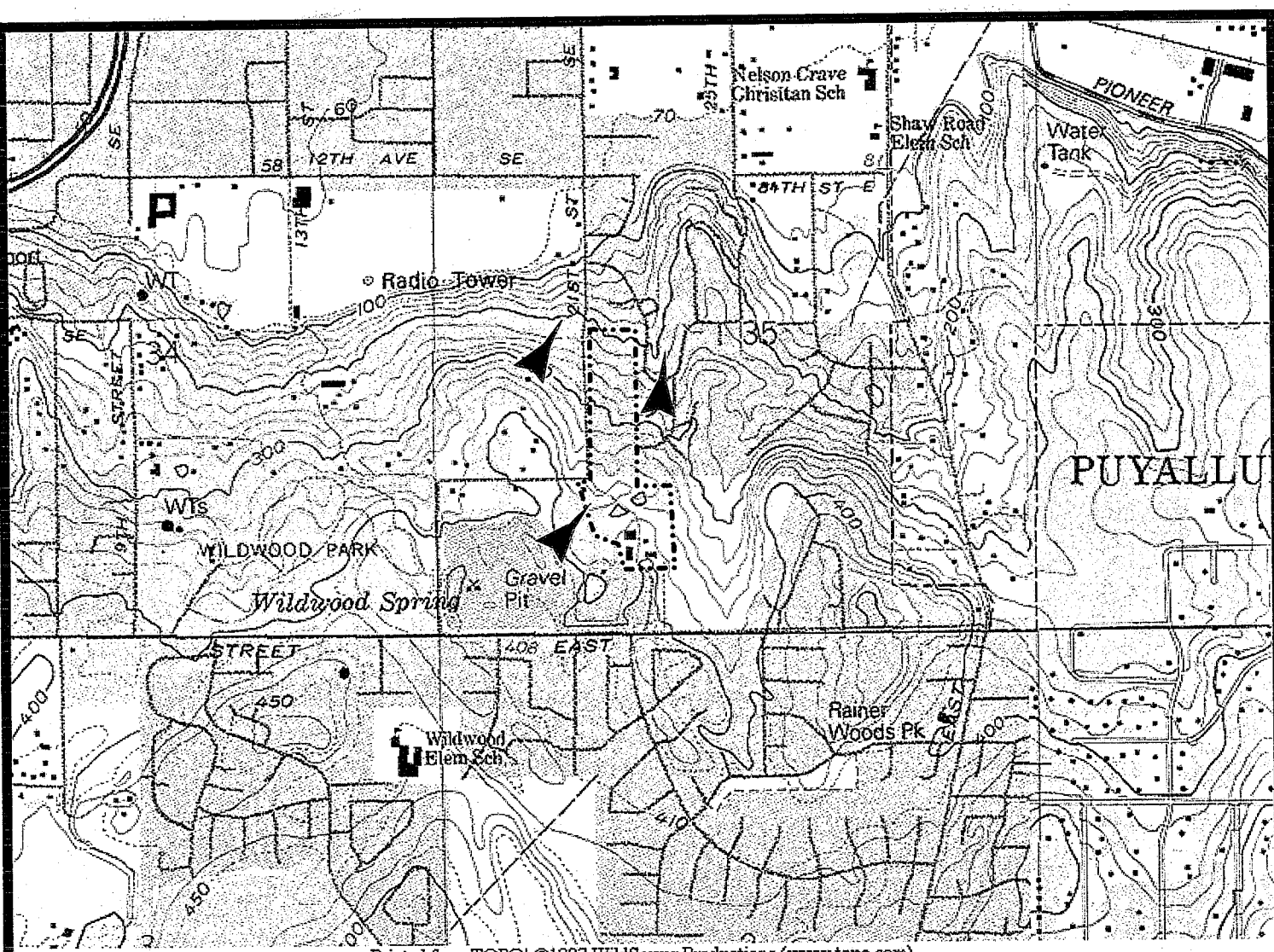
ENVIRONMENTAL ASSOCIATES, INC.

1380 112th Avenue N.E., Ste. 300
Bellevue, Washington 98004

VICINITY MAP

Proposed Sunset Pointe Residential Plat
East of Intersection of 19th Ave SE
and 21st St SE
Puyallup, Washington

Job Number:	Date:		Plate:
JN 24420	January 2005		1



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Probable Direction of Regional Groundwater Flow

Subject Property

N

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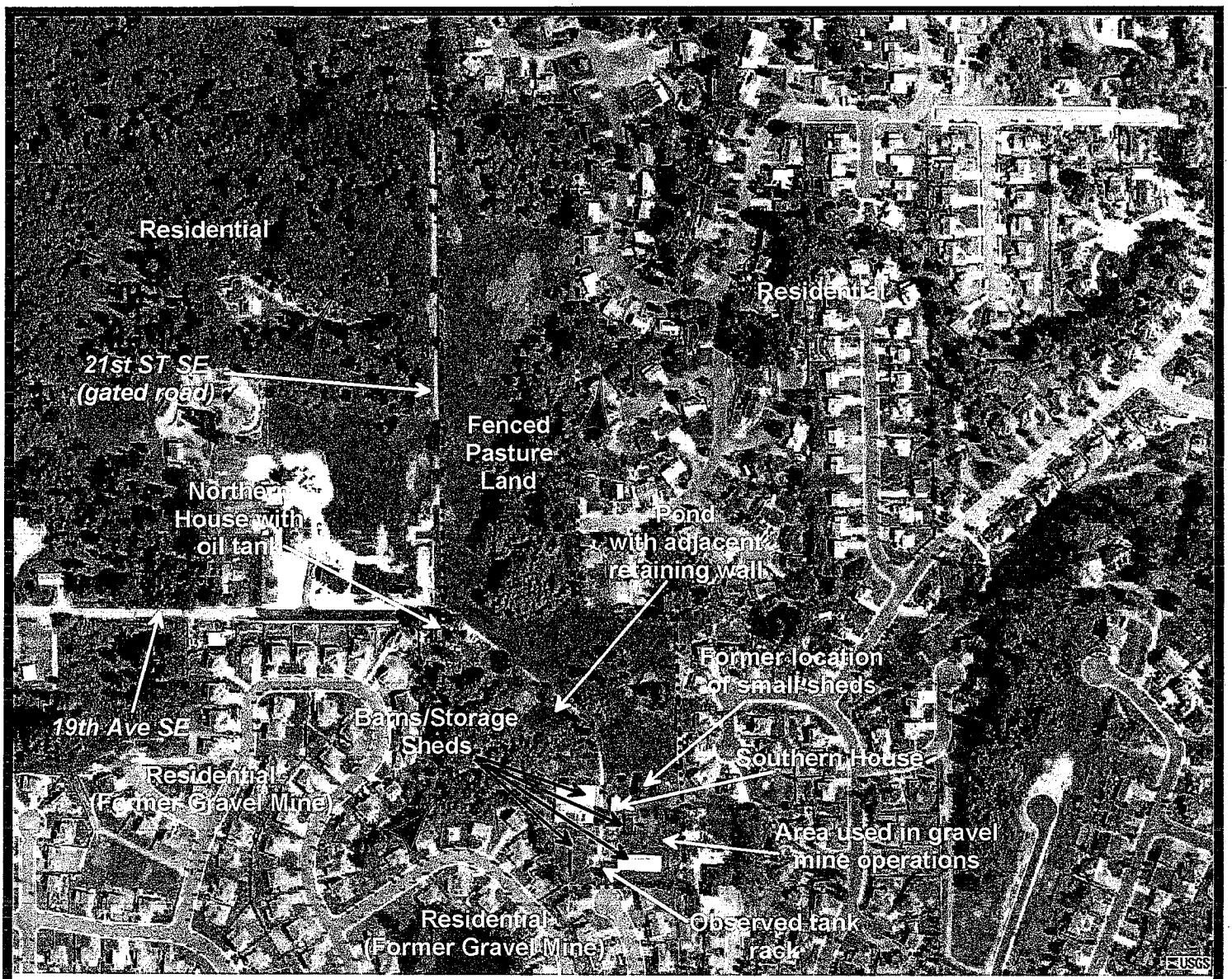
Bellevue, Washington 98004

TOPOGRAPHIC MAP

Proposed Sunset Pointe Residential Plat
East of Intersection of 19th Ave SE
and 21st St SE
Puyallup, Washington

Job Number:	*Date:*		*Plate:*
JN 24420	January 2005		2



Subject Property

Inferred regional groundwater flow direction

N

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1380 112th Avenue N.E., Ste. 300
Bellevue, Washington 98004

SITE PLAN

Proposed Sunset Pointe Residential Plat
East of Intersection of 19th Ave SE
and 21st St SE
Puyallup, Washington

Job Number:	*Date:*		*Plate:*
JN 24420	January 2005		3

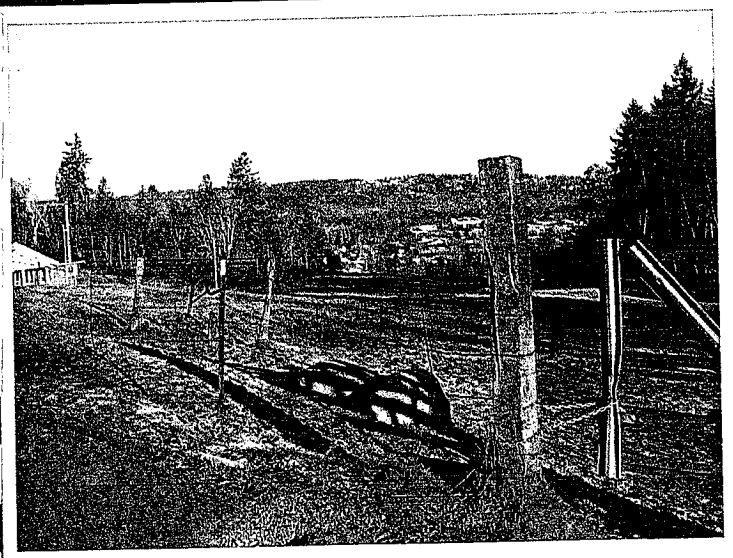

Photo 1: Pasture land on northern portion of the site, as viewed from subject property driveway.

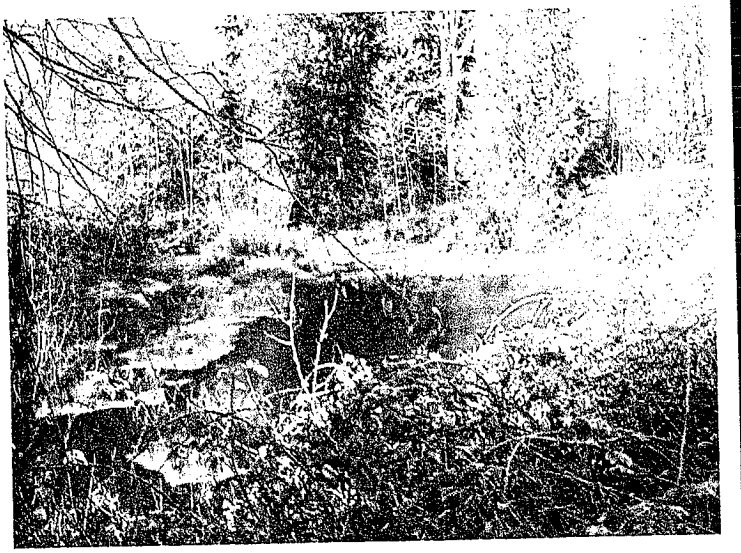

Photo 2: Pond located on southern portion of site. Retaining wall constructed with battery casings is located on northern portion of pond, near location where photo taken from.

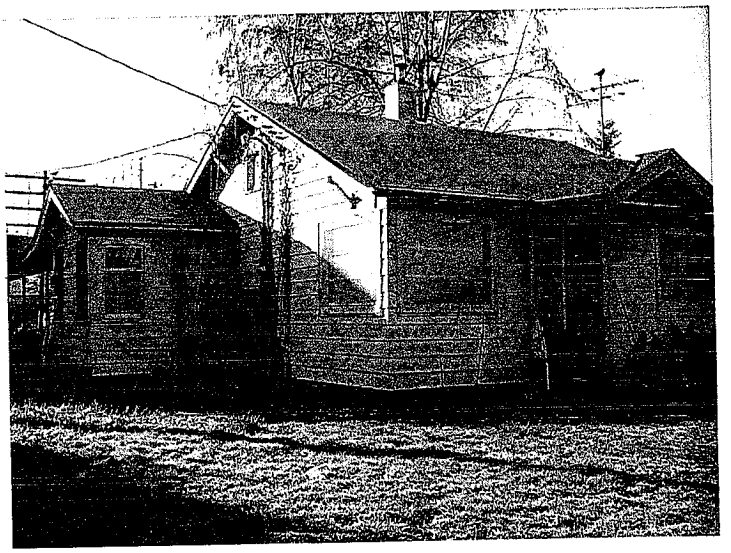

Photo 2: Southern house on subject property. Wood window, door, and other trim painted with a lead containing finish. Siding is aluminum. Lead not detected on siding finish.

Photo 4: Example of barn/storage sheds located on southern portion of site as well as types of refuse accumulated in this area.

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Bellevue, Washington 98004

SITE PHOTOGRAPHS

Proposed Sunset Pointe Residential Plat
East of Intersection of 19th Ave SE and 21st St SE
Puyallup, Washington

Job Number:	*Date:*		*Plate:*
JN 24420	January 2005		4

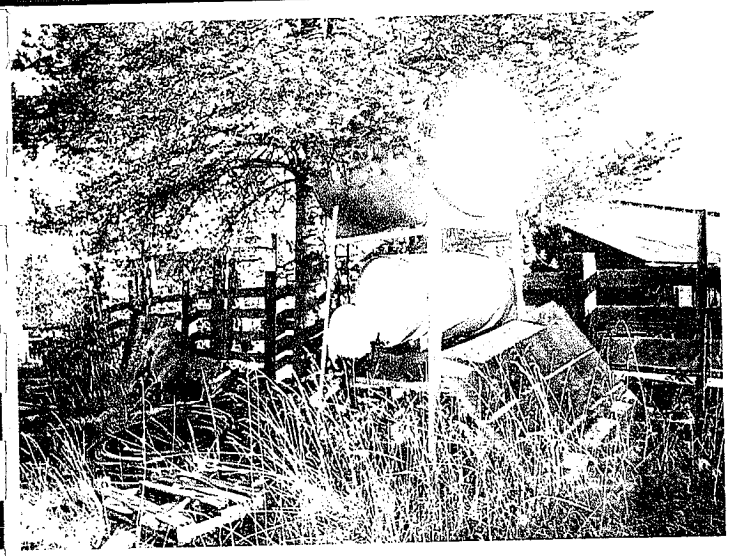

Photo 1: Steel rack containing multiple tanks/drums on southern portion of property. Bottom of lower left drum noted to be rusted out. No staining, odors, or disturbed vegetation noted under tanks.

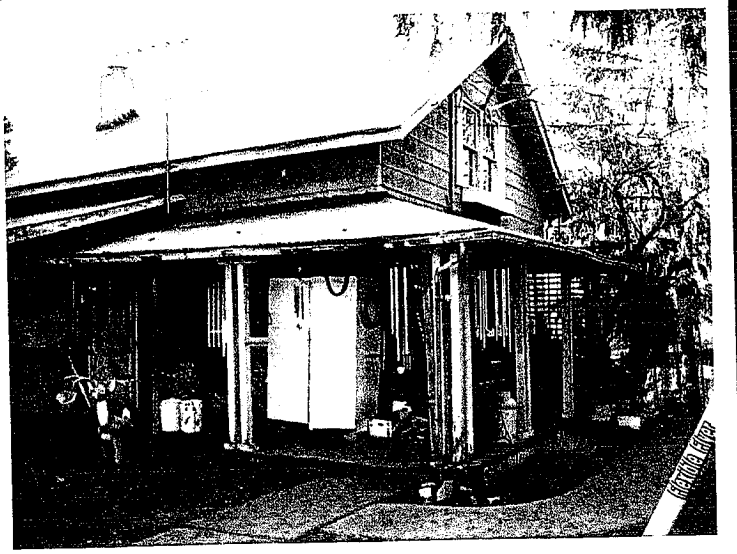

Photo 2: Northern house observed on subject site. Siding is asphaltic shingle material.

Photo 3: Heating oil tank observed adjacent to southern wall of northern house. Tank appeared to be in good condition.

Photo 4: Household refuse noted in the vicinity of northern house on site.

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Bellevue, Washington 98004

SITE PHOTOGRAPHS

Proposed Sunset Pointe Residential Plat
East of Intersection of 19th Ave SE and 21st St SE
Puyallup, Washington

Job Number:	*Date:*		*Plate:*
JN 24420	January 2005		5

APPENDIX A

Environmental Database Report

APPENDIX A

Environmental Database Report

TARGET PROPERTY:

2100 19 SE AVE

PUYALLUP WA 98372

Job Number: 24420

Environmental Associates, Inc.

1380 112th Avenue Northeast, Suite 300

Bellevue, Washington 98004

12-30-04

Search Summary Report

Target Site: 2100 19 SE AVE
PUYALLUP WA 98372

FirstSearch Summary

Database	Sel	Updated	Radius	Site	1/8	1/4	1/2	1/2>	ZIP	TOTALS
NPL	Y	09-12-04	1.00	0	0	0	0	0	0	0
CERCLIS	Y	09-13-04	0.50	0	0	0	0	-	0	0
NFRAP	Y	06-23-04	0.12	0	0	-	-	-	0	0
RCRA TSD	Y	09-12-04	0.50	0	0	0	0	-	0	0
RCRA COR	Y	09-12-04	1.00	0	0	0	0	0	0	0
RCRA GEN	Y	09-12-04	0.25	0	0	0	-	-	0	0
RCRA NLR	Y	07-12-04	0.12	0	0	-	-	-	0	0
ERNS	Y	12-31-03	0.12	0	0	-	-	-	0	0
NPDES	N	10-17-04	0.12	-	-	-	-	-	-	-
FINDS	N	07-16-98	0.12	-	-	-	-	-	-	-
TRIS	N	11-08-04	0.12	-	-	-	-	-	-	-
State Sites	Y	08-05-04	1.00	0	0	0	0	0	0	0
Spills-1990	N	NA	0.12	-	-	-	-	-	-	-
Spills-1980	N	NA	0.12	-	-	-	-	-	-	-
SWL	Y	11-01-01	0.50	0	0	0	0	-	0	0
Permits	N	NA	0.12	-	-	-	-	-	-	-
Other	N	09-30-03	0.12	-	-	-	-	-	-	-
REG UST/AST	Y	08-05-04	0.25	0	0	0	-	-	0	0
Leaking UST	Y	08-05-04	0.50	0	0	0	0	-	0	0
State Wells	N	NA	0.50	-	-	-	-	-	-	-
Aquifers	N	NA	0.50	-	-	-	-	-	-	-
ACEC	N	NA	0.50	-	-	-	-	-	-	-
Wetlands	N	11-20-00	0.50	-	-	-	-	-	-	-
Floodplains	N	09-01-98	0.50	-	-	-	-	-	-	-
Nuclear Permits	N	04-30-99	0.50	-	-	-	-	-	-	-
Historic/Landmark	N	09-01-02	1.00	-	-	-	-	-	-	-
Federal Land Use	N	10-07-03	1.00	-	-	-	-	-	-	-
Federal Wells	N	05-19-03	0.50	-	-	-	-	-	-	-
Releases(Air/Water)	N	12-31-03	0.05	-	-	-	-	-	-	-
HMIRS	N	03-31-03	0.05	-	-	-	-	-	-	-
NCDB	N	08-30-04	0.12	-	-	-	-	-	-	-
PADS	N	09-14-04	0.12	-	-	-	-	-	-	-
Federal Other	N	12-31-02	0.25	-	-	-	-	-	-	-
Misc	N	NA	0.25	-	-	-	-	-	-	-
Towers	N	08-16-01	0.25	-	-	-	-	-	-	-
Soils	N	03-18-97	0.25	-	-	-	-	-	-	-
Receptors	N	01-01-95	0.50	-	-	-	-	-	-	-
- TOTALS -				0	0	0	0	0	0	0

Site Information Report

Request Date:	12-30-04	**Search Type:**	COORD
Requestor Name:	Derek Pulvino	**Job Number:**	24420
Standard:	ASTM		

TARGET ADDRESS: 2100 19 SE AVE
PUYALLUP WA 98372

Demographics

Sites:	0	**Non-Geocoded:**	0	**Population:**	NA
Radon:	-0.1 PCI/L				

Site Location

	Degrees (Decimal)	**Degrees (Min/Sec)**		**UTMs**
Longitude:	-122.265653	-122:15:56	**Easting:**	555649.053
Latitude:	47.174193	47:10:27	**Northing:**	5224564.793
			Zone:	10

Comment

Comment:

Additional Requests/Services

Adjacent ZIP Codes: 1 Mile(s)

ZIP Code	City Name	ST	Dist/Dir	Sel
98374	PUYALLUP	WA	0.29 SW	Y

Services:

	Requested?	Date
Sanborns	No	
Aerial Photographs	No	
Topographical Maps	No	
City Directories	No	
Title Search	No	
Municipal Reports	No	
Online Topos	No	

Environmental FirstSearch
Site Detail Report

TARGET SITE: 2100 19 SE AVE
PUYALLUP WA 98372

JOB: 24420

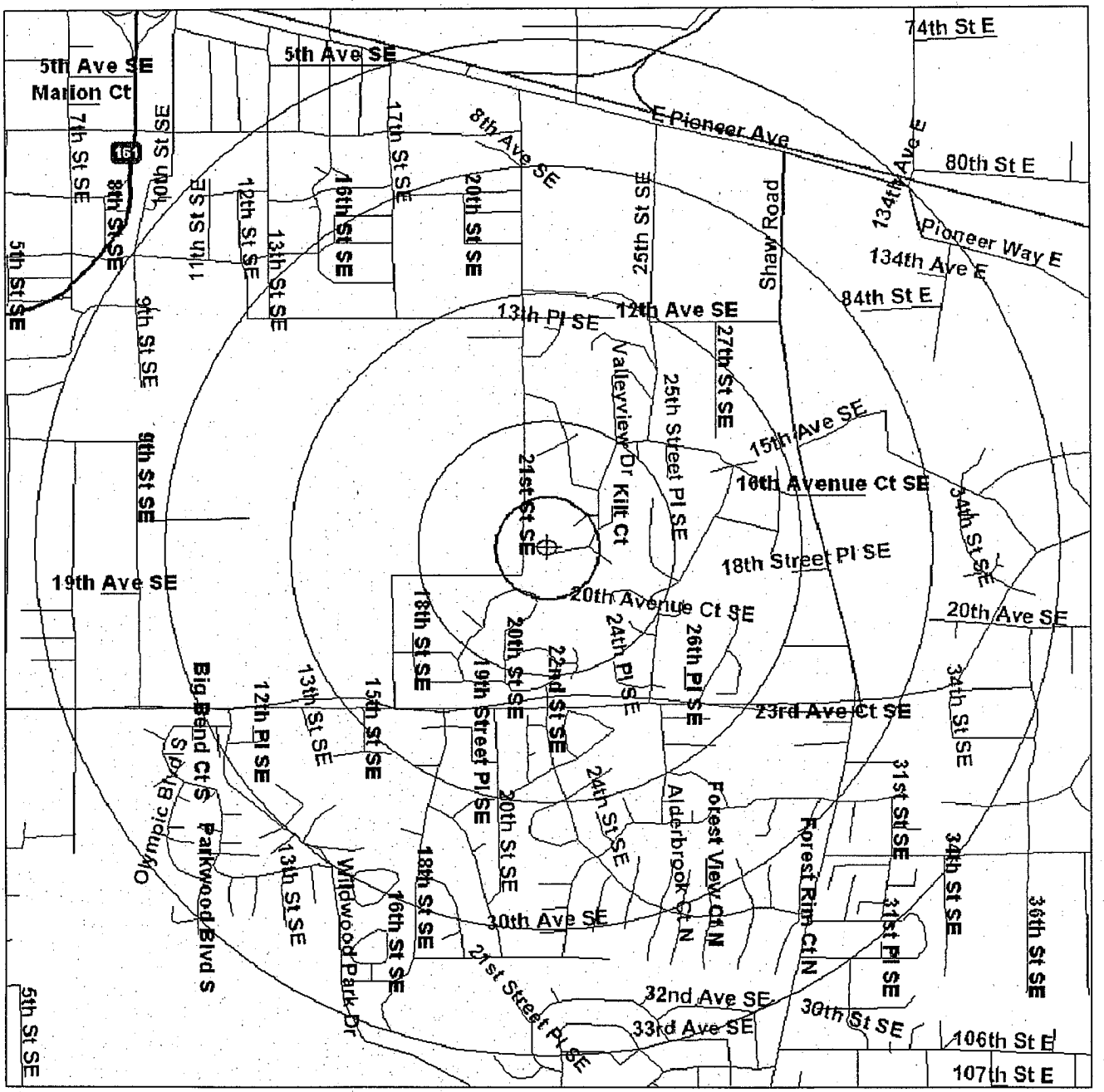
No sites were found!

Environmental FirstSearch

1 Mile Radius

ASTM: All Databases

2100 19 SE AVE, PUYALLUP WA 98372



Source: 1999 U.S. Census TIGER Files

Target Site (Latitude: 47.174193 Longitude: -122.265653) .....

Identified Site, Multiple Sites, Receptor .....

NPL, Solid Waste Landfill (SWL) or Hazardous Waste .....

Railroads .....

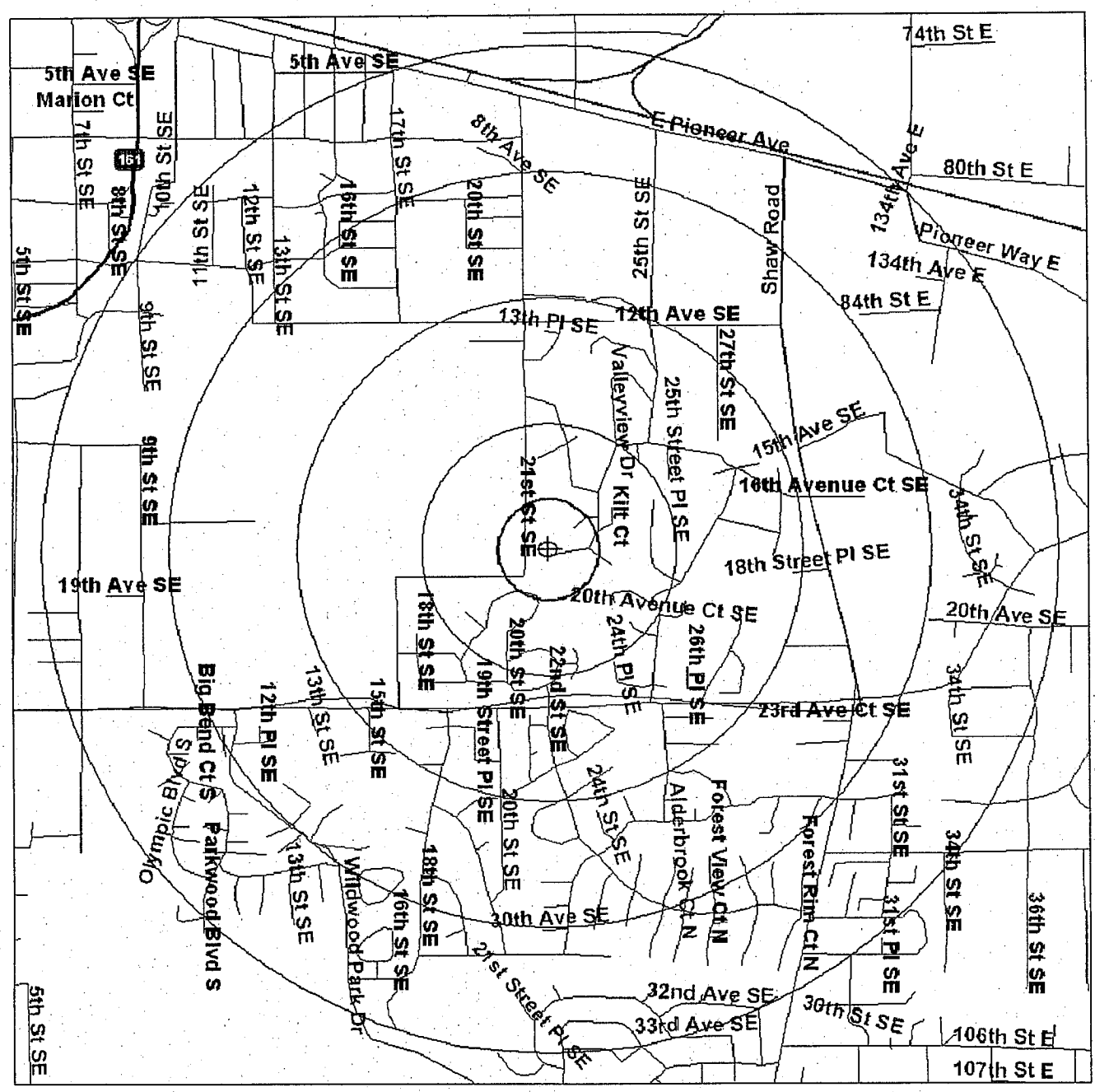
Black Rings Represent 1/4 Mile Radii; Red Ring Represents 500 ft. Radius

Environmental FirstSearch

1 Mile Radius

ASTM: NPL, RCRACOR, STATE

2100 19 SE AVE, PUYALLUP WA 98372



Source: 1999 U.S. Census TIGER Files

Target Site (Latitude: 47.174193 Longitude: -122.265653) .....

Identified Site, Multiple Sites, Receptor .....

NPL, Solid Waste Landfill (SWL) or Hazardous Waste .....

Railroads .....

Black Rings Represent 1/4 Mile Radii; Red Ring Represents 500 ft. Radius

APPENDIX B

AHERA Certification Documents

Certificate of Training

J&J Associates is pleased to certify that

Don Spencer

has attended and successfully completed the

AHERA Management Planner Refresher

in accordance with
40 CFR Part 763, Subpart E, Appendix C
on this 29th day of September 2004
at Bellevue Washington

Valid through September 29, 2005

John G Lester Jr.
COURSE INSTRUCTOR

John G Lester Jr.
TRAINING DIRECTOR

J&J040929-MPR-01
ACCREDITATION NO.

J&J Associates
550 NW Fairwood Way
Bremerton, Washington 98311
(360) 692-5925

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Certificate of Training

J&J Associates is pleased to certify that

Don Spencer

has attended and successfully completed the

AHERA BUILDING INSPECTOR REFRESHER

in accordance with
40 CFR Part 763, Subpart E, Appendix C
on this 29th day of September 2004
at Bellevue Washington

Valid through September 29, 2005

John G Lester Jr.
COURSE INSTRUCTOR

John G Lester Jr.
TRAINING DIRECTOR

J&J040929-BIR-07
ACCREDITATION NO.

J&J ASSOCIATES
550 NW Fairwood Way
Bremerton, Washington 98311
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Certificate of Completion

This is to certify that

Derek B. Pulvino

has satisfactorily completed
4 hours of refresher training as an

Asbestos Building Inspector

to comply with the training requirements of
TSCA Title II / 40 CFR 763 (AHERA)

Certificate Number 1010794

Instructor

Provider Cert. Number: MO9907012

ARGUS PACIFIC
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Aug 25, 2004
Date(s) of Training

Exam Score: NA

Expiration Date: Aug 25, 2005

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APPENDIX C

EPA PCB Guidance Document

WASTE MANAGEMENT GUIDANCE

PCB'S IN FLUORESCENT LIGHT FIXTURES

The purpose of this fact sheet is to provide some basic information on polychlorinated biphenyls (PCBs) and guidelines for handling PCBs in fluorescent light fixtures. Though the precautionary actions described in this fact sheet may seem extreme, or suggest to some that cleanup of a small PCB spill is personally hazardous, this is not generally so. For example, if you should get a small amount of PCB on your skin during cleanup, it is highly unlikely that you would be harmed. However, given the nature of PCBs and the fact that much is still unknown about the effects of minor exposure, no absolute guarantees or reassurances can be given. For that reason, EPA has chosen to describe a conservative approach which minimizes personal hazard. It is EPA's hope that this information will inform you rather than alarm you.

What are PCBs

PCBs belong to a broad family organic chemicals known as chlorinated hydrocarbons. These are produced by the combination of one or more chlorine atoms and a biphenyl molecule. PCBs range in consistency from heavy oil liquids to waxy solids. Prior to 1979, PCBs were widely used in electrical equipment such as transformers, capacitors, switches and voltage regulators for their "cooling" properties because they do not readily burn or conduct electricity, and only boil at high temperatures. Also, PCBs do not readily react with other chemicals. They were also used in mining equipment, heat transfer and hydraulic systems, carbonless copy paper, pigments and microscopy mounting media.

How Does EPA Regulate PCBs?

EPA regulates PCBs through rules issued pursuant to the Toxic Substances Control Act of 1976. These regulations generally control the use, making, storage, records and disposal of PCBs. There are millions of pieces of equipment in operation in the U.S. which were manufactured prior to these regulations and which contain PCBs.

Small Capacitors in Fluorescent Light Ballast's and Cause for Failure

Light ballast's are the primary electric components of fluorescent light fixtures and are generally located within the fixture under a metal cover plate. The ballast units are generally composed of a transformer to reduce the incoming voltage, a small capacitor (which may contain PCBs) and possibly a thermal cut-off switch and/or safety fuse. These components are surrounded by a tarlike substance that is designed to muffle the noise that is inherent in the operation of the ballast. This substance covers the small capacitor. When a ballast unit fails, excessive heat can be generated which will melt or burn the tar material, creating a characteristic foul order.

DEQ

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
John Engler, Governor • Russell J. Harding, Director
www.deq.state.mi.us

WASTE MANAGEMENT DIVISION
PO BOX 30241
LANSING MI 48909

Small Capacitors in Fluorescent Light Ballast's and Cause for Failure (continued)

Light ballast's are the primary electric components of fluorescent light fixtures and are generally located within the fixture under a metal cover plate. The ballast units are generally composed of a transformer to reduce the incoming voltage, a small capacitor (which may contain PCBs) and possibly a thermal cut-off switch and/or safety fuse. These components are surrounded by a tarlike substance that is designed to muffle the noise that is inherent in the operation of the ballast. This substance covers the small capacitor. When a ballast unit fails, excessive heat can be generated which will melt or burn the tar material, creating a characteristic foul order.

In considering causes of ballast failure, some privately conducted tests have indicated that operation of power saving lamps with a standard ballast or standard lamps with a power-saving ballast tends to significantly increase the ballast operating temperature and decrease its normal life span. It appears that ballast's will fail less frequently if standard lamps are used only with standard bulbs and power-saving lamps with power-saving ballast's. Fluorescent lamps should be changed in pairs: new lamps should not be used with old lamps.

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Does Your Fluorescent Light Ballast Contain PCBs

Before EPA banned the manufacturing of PCBs in 1978, PCBs were used in the manufacturing of fluorescent light ballast's. The use of PCBs in ballast's manufactured prior to 1978 is not regulated by EPA. All light ballast's manufactured since 1978 which do not contain PCBs should be marked by the manufacturer with the statement "No PCBs." **For those ballast's manufactures prior to 1978, or for those ballast's which contain no statement regarding PCB content, you should assume that they do contain PCBs.**

If the ballast does contain PCBs, they are located inside the small capacitor. These would be approximately 1 to 1 1/2 ounces of PCB fluid in the capacitor itself. If the ballast fails, the capacitor may break open, allowing the PCB oil to drip out of the fixture. The capacitor does not always leak when the ballast fails, but when it does happen, measures should be taken to limit or avoid personal exposure.

What Should I Do if My Light Ballast Leaks

EPA has these recommendations for anyone with fluorescent light ballast leaking PCBs:

1. Vacate the room or area immediately and open any windows to ventilate the room to the outside. If the incident occurred in a room which cannot be vented, the person replacing the failed ballast and cleaning up can reduce exposure by wearing a chemical cartridge respirator equipped with an organic vapor cartridge.

2. Turn off the light fixture at the switch and disconnect electricity at the fuse or breaker box. Let the ballast cool for 20-30 minutes before proceeding.

   If the room is fully ventilated, the amount of PCB contaminated particulate matter in the air should decrease significantly enough to make negligible and risk from breathing.

3. Wear rubber gloves that will not absorb PCBs (e.g. neoprene, butyl, or nitrile). Further, if you will be working directly under the fixture, consider using additional protective gear such as goggles (or a face shield) and rubber apron to help guard against possible exposure from further leaking or cleanup activities. Exercise caution to avoid personal contamination's (e.g. from touching your face with a contaminated glove).

   During the cleanup or removal period, smoking should be prohibited in the area because smoking increases the inhalation rate of contaminated air. In addition, you may be using a flammable solvent in the cleanup.

4. Remove the fluorescent lamp.

5. Recheck that the power is off at the fuse or breaker box. Remove the metal cover over the wiring and ballast unit, loosen the ballast unit by taking out the metal screws which hold it to the end of the fixture; cut the electrical wires going to the ballast and remove the ballast. Note: Wire connectors can be used when installing new ballast.

6. Proceed to clean up leaks using the following guidelines:

   PCBs that leak onto nonabsorbent surfaces such as table tops and uncarpeted floors should first be cleaned up by wiping with a rag or paper towel or by scraping with a putty knife if hardened. Avoid smearing the PCB around. This would only contaminate a larger area. Surfaces should then be thoroughly cleaned twice using an appropriate solvent or detergent. Only certain solvents are effective in cleaning up spilled PCBs. These include mineral spirits, deodorized kerosene, turpentine and rubbing alcohol. Certain detergents containing trisodium phosphate (such as "Soilex" or "Spic 'n Span") may be used. However, they should be used only at full strength and applied with a damp rag rather than diluted in a bucket. That solution would become contaminated and cannot be legally disposed of in the sewer system. Some of the other effective detergent products (which are commercially available) include "Triton X-I 00" (Rohm-Hass), "Sterox" (Monsanto), and "Power Cleaner 155" (Penetone Corp.). EPA does not endorse these particular products. Other effective products may also be available.

   For leaks onto absorbent material such as drapes and carpets, there is no reliable way to clean and decontaminate the material. In the case of rugs and fabrics, the material should be cut away in a six-inch radius around the contaminated point(s). In areas where foot traffic has spread contamination the entire carpet should be disposed of. Proper disposal procedures for all such materials are described in the following section. Associated surfaces, such as flooring under contaminated carpeting, should be thoroughly cleaned with a solvent or detergent as previously described.

7. Contaminated materials (ballast's, rags, contaminated clothing, gloves, drapes, carpets, etc) should be packed into crumpled newspapers or other sorbent materials (sawdust, kitty litter, vermiculite, soil, etc.) and placed in a double thickness plastic bag. After containing the PCBs, a disposal facility should be contacted for pickup, manifesting and shipment. The PCB materials will be packed in a drum approved for PCBs by the Department of Transportation and finally disposed of at an EPA approved site.

   (One might consider discarding the entire light fixture instead of decontaminating the unit. This would eliminate the chance of skin coming into direct contact with the PCBs while cleaning inside the light fixture.)

   When you are completely through with the cleanup process, and contaminated materials and protective clothing have been packed for disposal, you should wash your hands thoroughly with detergent. Continue to ventilate the room for 24 hours before reuse.

How to Get Rid of Your PCBs

Arrangements must be made with a facility for the pick-up, manifesting and shipment of ballast's, PCB-soiled items or fluorescent fixtures containing PCBs, to an EPA approved chemical waste processing site. These firms will also perform minor PCB spill cleanups and arrange for the removal of PCB capacitors. If you don't find a nearby facility, please check the telephone yellow pages under waste disposal. If you have further questions, please call EPA's regional office in Chicago at 312/886-6832, Toxic Program Section.

Non-leaking small PCB capacitors (lighting ballast's) are not required to be incinerated. They should be placed in a U.S. DOT approved drum with adequate absorbent, and disposal of in an approved landfill unless regulated under N.R.E.P.A. 451 PA 1994: Part 111 (hazardous waste regulations). NOTE: PCB's are not regulated as hazardous waste, however there may be other components in the ballast which would cause it to test out as a hazardous waste.

* this fact sheet has been duplicated and updated from a prior EPA publication

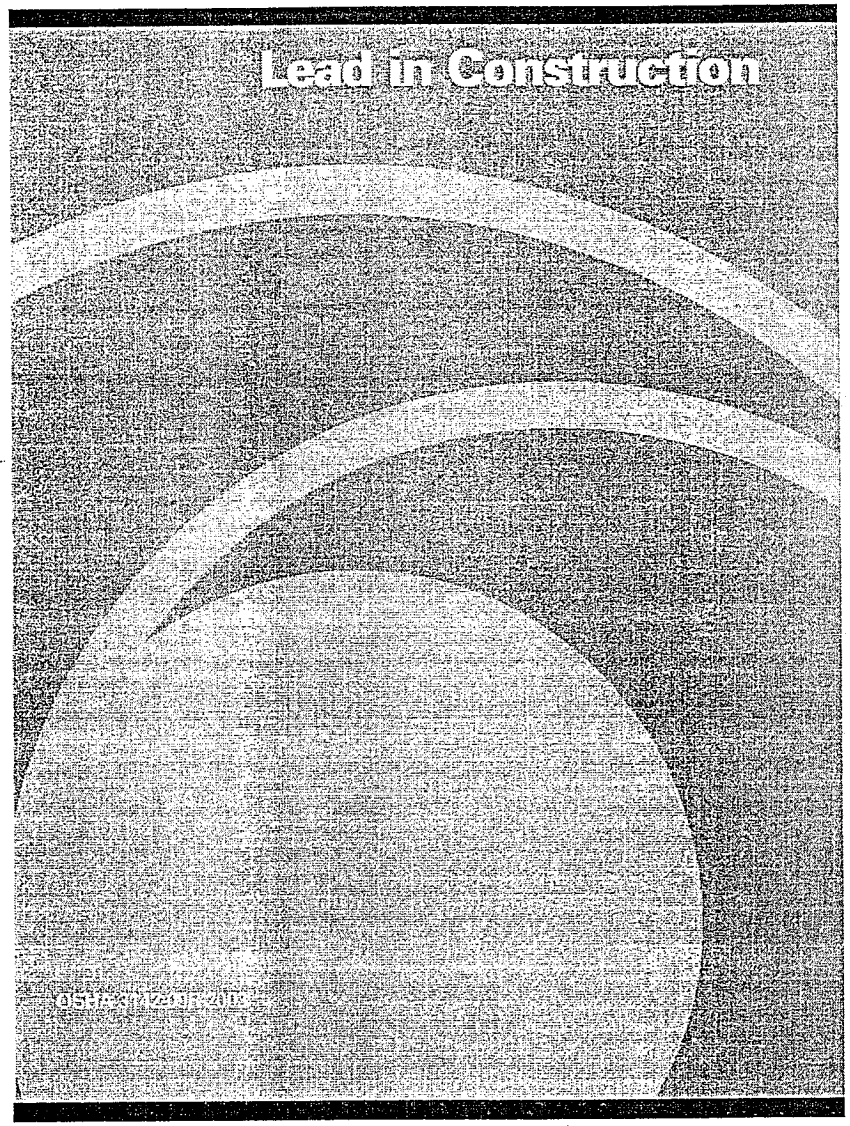
(doc/y/PCBs.doc/1/20/97/EAB)

APPENDIX D

OSHA 3142 - Lead In Construction

OSHA Occupational Safety and Health Administration

www.osha.gov



This informational booklet provides a general overview of a particular topic related to OSHA standards. It does not alter or determine compliance responsibilities in OSHA standards or the *Occupational Safety and Health Act of 1970.* Because interpretations and enforcement policy may change over time, you should consult current OSHA administrative interpretations and decisions by the Occupational Safety and Health Review Commission and the Courts for additional guidance on OSHA compliance requirements.

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OSHA

www.osha.gov

Lead in Construction

U.S. Department of Labor

Occupational Safety and Health Administration

OSHA 3142-09R
2003

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Health Hazards of Lead Exposure

Pure lead (Pb) is a heavy metal at room temperature and pressure. A basic chemical element, it can combine with various other substances to form numerous lead compounds.

Lead has been poisoning workers for thousands of years. Lead can damage the central nervous system, cardiovascular system, reproductive system, hematological system, and kidneys. When absorbed into the body in high enough doses, lead can be toxic.

In addition, workers' lead exposure can harm their children's development.

Short-term (acute) overexposure--as short as days--can cause acute encephalopathy, a condition affecting the brain that develops quickly into seizures, coma, and death from cardiorespiratory arrest. Short-term occupational exposures of this type are highly unusual but not impossible.

Extended, long-term (chronic) overexposure can result in severe damage to the central nervous system, particularly the brain. It can also damage the blood-forming, urinary, and reproductive systems. There is no sharp dividing line between rapidly developing acute effects of lead and chronic effects that take longer to develop.

SYMPTOMS OF CHRONIC OVEREXPOSURE

Some of the common symptoms include:

- Loss of appetite;
- Constipation;
- Nausea;
- Excessive tiredness;
- Headache;
- Fine tremors;
- Colic with severe abdominal pain;
- Metallic taste in the mouth;
- Weakness;
- Nervous irritability;
- Hyperactivity;

- Muscle and joint pain or soreness;
- Anxiety;
- Pallor;
- Insomnia;
- Numbness; and
- Dizziness.

REPRODUCTIVE RISKS

Lead is toxic to both male and female reproductive systems. Lead can alter the structure of sperm cells and there is evidence of miscarriage and stillbirth in women exposed to lead or whose partners have been exposed. Children born to parents who were exposed to excess lead levels are more likely to have birth defects, mental retardation, or behavioral disorders or to die during the first year of childhood.

Workers who desire medical advice about reproductive issues related to lead should contact qualified medical personnel to arrange for a job evaluation and medical followup--particularly if they are pregnant or actively seeking to have a child. Employers whose employees may be exposed to lead and who have been contacted by employees with concerns about reproductive issues must make medical examinations and consultations available.

CHELATING AGENTS

Under certain limited circumstances, a physician may prescribe special drugs called chelating agents to reduce the amount of lead absorbed in body tissues. Using chelation as a preventive measure--that is, to lower blood level but continue to expose a worker--is prohibited and therapeutic or diagnostic chelations of lead that are required must be done under the supervision of a licensed physician in a clinical setting, with thorough and appropriate medical monitoring. The employee must be notified in writing before treatment of potential consequences and allowed to obtain a second opinion.

Worker Exposure

Lead is most commonly absorbed into the body by inhalation. When workers breathe in lead as a dust, fume, or mist, their lungs and upper respiratory tract absorb it into the body. They can also absorb lead through the digestive system if it enters the mouth and is ingested.

A significant portion of the lead inhaled or ingested gets into the bloodstream. Once in the bloodstream, lead circulates through the body and is stored in various organs and body tissues. Some of this lead is filtered out of the body quickly and excreted, but some remains in the blood and tissues. As exposure continues, the amount stored will increase if the body absorbs more lead than it excretes. The lead stored in the tissue can slowly cause irreversible damage, first to individual cells, then to organs and whole body systems.

Construction Workers and Lead Exposure

HOW LEAD IS USED

In construction, lead is used frequently for roofs, cornices, tank linings, and electrical conduits. In plumbing, soft solder, used chiefly for soldering tinplate and copper pipe joints, is an alloy of lead and tin. Soft solder has been banned for many uses in the United States. In addition, the Consumer Product Safety Commission bans the use of lead-based paint in residences. Because lead-based paint inhibits the rusting and corrosion of iron and steel, however, lead continues to be used on bridges, railways, ships, lighthouses, and other steel structures, although substitute coatings are available.

Construction projects vary in their scope and potential for exposing workers to lead and other hazards. Projects such as removing paint from a few interior residential doors may involve limited exposure. Others projects, however, may involve removing or stripping substantial quantities of lead-based paints on large bridges and other structures.

MOST VULNERABLE WORKERS

Workers potentially at risk for lead exposure include those involved in iron work; demolition work; painting; lead-based paint

abatement; plumbing; heating and air conditioning maintenance and repair; electrical work; and carpentry, renovation, and remodeling work. Plumbers, welders, and painters are among those workers most exposed to lead. Significant lead exposures also can arise from removing paint from surfaces previously coated with lead-based paint such as bridges, residences being renovated, and structures being demolished or salvaged. With the increase in highway work, bridge repair, residential lead abatement, and residential remodeling, the potential for exposure to lead-based paint has become more common.

Workers at the highest risk of lead exposure are those involved in:

- Abrasive blasting and
- Welding, cutting, and burning on steel structures.

Other operations with the potential to expose workers to lead include:

- Lead burning;
- Using lead-containing mortar;
- Power tool cleaning without dust collection systems;
- Rivet busting;
- Cleanup activities where dry expendable abrasives are used;
- Movement and removal of abrasive blasting enclosures;
- Manual dry scraping and sanding;
- Manual demolition of structures;
- Heat-gun applications;
- Power tool cleaning with dust collection systems; and
- Spray painting with lead-based paint.

OSHA's Lead Standard

OSHA's Lead Standard for the Construction Industry, Title 29 Code of Federal Regulations 1926.62, covers lead in a variety of forms, including metallic lead, all inorganic lead compounds, and organic lead soaps.

EXPOSURE LIMITS

The standard establishes maximum limits of exposure to lead for all workers covered, including a permissible exposure limit (PEL) and action level (AL).

The PEL sets the maximum worker exposure to lead: 50 micrograms of lead per cubic meter of air (50µg/m3) averaged over an eight-hour period. If employees are exposed to lead for more than eight hours in a workday, their allowable exposure as a TWA for that day must be reduced according to this formula:

Employee exposure (in µg/m3) = 400 divided by the hours worked in the day.

The AL, regardless of respirator use, is an airborne concentration of 30µg/m3, averaged over an eight-hour period. The AL is the level at which an employer must begin specific compliance activities outlined in the standard.

APPLICABILITY TO CONSTRUCTION

OSHA's lead in construction standard applies to all construction work where an employee may be exposed to lead. All work related to construction, alteration, or repair, including painting and decorating, is included. Under this standard, construction includes, but is not limited to:

- Demolition or salvage of structures where lead or materials containing lead are present;
- Removal or encapsulation of materials containing lead;
- New construction, alteration, repair, or renovation of structures, substrates, or portions or materials containing lead;
- Installation of products containing lead;
- Lead contamination from emergency cleanup;
- Transportation, disposal, storage, or containment of lead or materials containing lead where construction activities are performed; and
- Maintenance operations associated with these construction activities.

Employer Responsibilities

WORKER PROTECTIONS

Employers of construction workers are responsible for developing and implementing a worker protection program. At a minimum, the employer's worker protection program for employees exposed to lead above the PEL should include:

- Hazard determination, including exposure assessment;
- Medical surveillance and provisions for medical removal;
- Job-specific compliance programs;
- Engineering and work practice controls;
- Respiratory protection;
- Protective clothing and equipment;
- Housekeeping;
- Hygiene facilities and practices;
- Signs;
- Employee information and training; and
- Recordkeeping.

Because lead is a cumulative and persistent toxic substance and health effects may result from exposure over prolonged periods, employers must use these precautions where feasible to minimize employee exposure to lead.

The employer should, as needed, consult a qualified safety and health professional to develop and implement an effective, site-specific worker protection program. These professionals may work independently or may be associated with an insurance carrier, trade organization, or onsite consultation program.

ELEMENTS OF A COMPLIANCE PROGRAM

For each job where employee exposure exceeds the PEL, the employer must establish and implement a written compliance program to reduce employee exposure to the PEL or below. The compliance program must provide for frequent and regular inspections of job sites, materials, and equipment by a competent person. Written programs, which must be reviewed and updated at least every six months, must include:

- A description of each activity in which lead is emitted (such as equipment used, material involved, controls in place, crew size, employee job responsibilities, operating procedures, and maintenance practices);
- The means to be used to achieve compliance and engineering plans and studies used to determine the engineering controls selected where they are required;
- Information on the technology considered to meet the PEL;
- Air monitoring data that document the source of lead emissions;
- A detailed schedule for implementing the program, including copies of documentation (such as purchase orders for equipment, construction contracts);
- A work practice program;
- An administrative control schedule, if applicable; and
- Arrangements made among contractors on multi-contractor sites to inform employees of potential lead exposure.

Hazard Assessment

An employer is required to conduct an initial employee exposure assessment of whether employees are exposed to lead at or above the AL based on:

- Any information, observation, or calculation that indicates employee exposure to lead;
- Any previous measurements of airborne lead; and
- Any employee complaints of symptoms attributable to lead exposure.

Objective data and historical measurements of lead may be used to satisfy the standard's initial monitoring requirements.

INITIAL EMPLOYEE EXPOSURE ASSESSMENT

Initial monitoring may be limited to a representative sample of those employees exposed to the greatest concentrations of airborne lead. Representative exposure sampling is permitted when there are a number of employees performing the same job, with

lead exposure of similar duration and level, under essentially the same conditions. For employees engaged in similar work, the standard requires that the members of the group reasonably expected to have the highest exposure levels be monitored. This result is then attributed to the other employees of the group.

The employer must establish and maintain an accurate record documenting the nature and relevancy of previous exposure data. Instead of performing initial monitoring, the employer may in some cases rely on objective data that demonstrate that a particular lead-containing material or product cannot result in employee exposure at or above the action level when it is processed, used, or handled.

BIOLOGICAL MONITORING TESTS

Analysis of blood lead samples must be conducted by an OSHA-approved lab and be accurate (to a confidence level of 95 percent) within plus or minus 15 percent, or 6 µg/dl, whichever is greater. If an employee's airborne lead level is at or above the AL for more than 30 days in any consecutive 12 months, the employer must make biological monitoring available on the following schedule:

- At least every two months for the first six months and every six months thereafter for employees exposed at or above the action level for more than 30 days annually;
- At least every two months for employees whose last blood sampling and analysis indicated a blood lead level at or above 40 µg/dl; and
- At least monthly while an employee is removed from exposure due an elevated blood lead level.

PENDING EMPLOYEE EXPOSURE ASSESSMENT

Until the employer performs an exposure assessment and documents that employees are not exposed above the PEL, OSHA requires some degree of interim protection for employees. This means providing respiratory protection, protective work clothing and equipment, hygiene facilities, biological monitoring, and training—as specified by the standards—for certain tasks prone to produce high exposure. These include:

- Manual demolition of structures such as dry wall, manual scraping, manual sanding, and use of a heat gun where lead-containing coatings or paints are present;
- Power tool cleaning with or without local exhaust ventilation;
- Spray painting with lead-containing paint;
- Lead burning;
- Use of lead-containing mortar;
- Abrasive blasting, rivet busting, welding, cutting, or torch-burning on any structure where lead-containing coatings or paint are present;
- Abrasive blasting enclosure movement and removal;
- Cleanup of activities where dry expendable abrasives are used; and
- Any other task the employer believes may cause exposures in excess of the PEL.

TEST RESULTS SHOWING NO OVEREXPOSURES

If the initial assessment indicates that no employee is exposed above the AL, the employer may discontinue monitoring. Further exposure testing is not required unless there is a change in processes or controls that may result in additional employees being exposed to lead at or above the AL, or may result in employees already exposed at or above the AL being exposed above the PEL. The employer must keep a written record of the determination, including the date, location within the work site, and the name and social security number of each monitored employee.

EMPLOYEE NOTIFICATION OF MONITORING RESULTS

The employer must notify each employee in writing of employee exposure assessment results within five working days of receiving them. Whenever the results indicate that the representative employee exposure, without the use of respirators, is above the PEL, the employer must include a written notice stating that the employee's exposure exceeded the PEL and describing corrective action taken or to be taken to reduce exposure to or below the PEL.

Medical Surveillance

When an employee's airborne exposure is at or above the AL for more than 30 days in any consecutive 12 months, an immediate medical consultation is required when the employee notifies the employer that he or she:

- Has developed signs or symptoms commonly associated with lead-related disease;
- Has demonstrated difficulty in breathing during respirator use or a fit test;
- Desires medical advice concerning the effects of past or current lead exposure on the employee's ability to have a healthy child; and
- Is under medical removal and has a medically appropriate need.

MEDICAL EXAMS

The best indicator of personal lead exposure is through a blood test to indicate elevated blood lead levels. A medical exam must also include:

- Detailed work and medical histories, with particular attention to past lead exposure (occupational and nonoccupational), personal habits (smoking and hygiene), and past gastro-intestinal, hematologic, renal, cardiovascular, reproductive, and neurological problems;
- A thorough physical exam, with particular attention to gums, teeth, hematologic, gastrointestinal, renal, cardiovascular, and neurological systems; evaluation of lung function if respirators are used;
- A blood pressure measurement;
- A blood sample and analysis to determine blood lead level;
  - Hemoglobin and hematocrit determinations, red cell indices, and an exam of peripheral smear morphology; and
  - Zinc protopor-phyrin; blood urea nitrogen; and serum creatinine;
- A routine urinalysis with microscopic exam; and
- Any lab or other test the examining physician deems necessary.

INFORMATION FOR THE EXAMINING PHYSICIAN

The employer must provide all examining physicians with a copy of the lead in construction standard, including all appendices, a description of the affected employee's duties as they relate to the employee's exposure, the employee's lead exposure level or anticipated exposure level, a description of personal protective equipment used or to be used, prior blood lead determinations, and all prior written medical opinions for the employee.

WHEN MONITORING SHOWS NO EMPLOYEE EXPOSURES ABOVE THE AL

Employers must make available, at no cost to the employee, initial medical surveillance for employees exposed to lead on the job at or above the action level on any one day per year. This initial medical surveillance consists of biological monitoring in the form of blood sampling and analysis for lead and zinc protoporyrin (ZPP) levels. In addition, a medical surveillance program with biological monitoring must be made available to any employee exposed at or above the action level for more than 30 days in any consecutive 12 months.

AFTER THE MEDICAL EXAMINATION

Employers must obtain and provide the employee a copy of a written opinion from each examining or consulting physician that contains only information related to occupational exposure to lead and must include:

- Whether the employee has any detected medical condition that would increase the health risk from lead exposure;
- Any special protective measures or limitations on the worker's exposure to lead,
- Any limitation on respirator use; and
- Results of the blood lead determinations.

In addition, the written statement may include a statement that the physician has informed the employee of the results of the consultation or medical examination and any medical condition that may require further examination or treatment.

The employer must instruct the physician that findings, including lab results or diagnoses unrelated to the worker's lead exposure, must not be revealed to the employer or included in the written opinion to the employer. The employer must also instruct the physician to advise employees of any medical condition, occupational or non-occupational, that necessitates further evaluation or treatment. In addition, some states also require laboratories and health care providers to report cases of elevated blood lead concentrations to their state health departments.

Medical Removal Provisions

Temporary medical removal can result from an elevated blood level or a written medical opinion. More specifically, the employer is required to remove from work an employee with a lead exposure at or above the AL each time periodic and follow-up (within two weeks of the periodic test) blood sampling tests indicate that the employee's blood level is at or above 50 µg /dl. The employer also must remove from work an employee with lead exposure at or above the AL each time a final medical determination indicates that the employee needs reduced lead exposure for medical reasons. If the physician who is implementing the employer's medical program makes a final written opinion recommending the employee's removal or other special protective measures, the employer must implement the physician's recommendation.

For an employee removed from exposure to lead at or above the AL due to a blood lead level at or above 50 µg/dl, the employer may return that employee to former job status when two consecutive blood sampling tests indicate that the employee's blood lead level is below 40 µg /dl. For an employee removed from exposure to lead due to a final medical determination, the employee must be returned when a subsequent final medical determination results in a medical finding, determination, or opinion that the employee no longer has a detected medical condition that places the employee at increased risk of lead exposure.

The employer must remove any limitations placed on employees or end any special protective measures when a subse-

quent final medical determination indicates they are no longer necessary. If the former position no longer exists, the employee is returned consistent with whatever job assignment discretion the employer would have had if no removal occurred.

WORKER PROTECTIONS AND BENEFITS

The employer must provide up to 18 months of medical removal protection (MRP) benefits each time an employee is removed from lead exposure or medically limited. As long as the position/job exists, the employer must maintain the earnings, seniority, and other employment rights and benefits as though the employee had not been removed from the job or otherwise medically limited. The employer may condition medical removal protection benefits on the employee's participation in followup medical surveillance.

If a removed employee files a worker's compensation claim or other compensation for lost wages due to a lead-related disability, the employer must continue medical removal protection benefits until the claim is resolved. However, the employer's MRP benefits obligation will be reduced by the amount that the employee receives from these sources. Also, the employer's MRP benefits obligation will be reduced by any income the employee receives from employment with another employer made possible by virtue of the employee's removal.

RECORDS REQUIREMENTS INVOLVING MEDICAL REMOVAL

In the case of medical removal, the employer's records must include:

- The worker's name and social security number,
- The date of each occasion that the worker was removed from current exposure to lead,
- The date when the worker was returned to the former job status,
- A brief explanation of how each removal was or is being accomplished, and
- A statement indicating whether the reason for the removal was an elevated blood lead level.

Recordkeeping

EMPLOYER REQUIREMENTS

The employer must maintain any employee exposure and medical records to document ongoing employee exposure, medical monitoring, and medical removal of workers. This data provides a baseline to evaluate the employee's health properly. Employees or former employees, their designated representatives, and OSHA must have access to exposure and medical records in accordance with 29 CFR 1910.1020. Rules of agency practice and procedure governing OSHA access to employee medical records are found in 29 CFR 1913.10.

EXPOSURE ASSESSMENT RECORDS

The employer must establish and maintain an accurate record of all monitoring and other data used to conduct employee exposure assessments as required by this standard and in accordance with 29 CFR 1910.1020. The exposure assessment records must include:

- The dates, number, duration, location, and results of each sample taken, including a description of the sampling proce-dure used to determine representative employee exposure;
- A description of the sampling and analytical methods used and evidence of their accuracy;
- The type of respiratory protection worn, if any;
- The name, social security number, and job classification of the monitored employee and all others whose exposure the mea-surement represents; and
- Environmental variables that could affect the measurement of employee exposure.

MEDICAL SURVEILLANCE RECORDS

The employer must maintain an accurate record for each employee subject to medical surveillance, including:

- The name, social security number, and description of the employee's duties;
- A copy of the physician's written opinions;

- The results of any airborne exposure monitoring done for the employee and provided to the physician; and
- Any employee medical complaints related to lead exposure.

In addition, the employer must keep or ensure that the examining physician keeps the following medical records:

- A copy of the medical examination results including medical and work history;
- A description of the laboratory procedures and a copy of any guidelines used to interpret the test results; and
- A copy of the results of biological monitoring.

The employer or physician or both must maintain medical records in accordance with 29 CFR 1910.1020.

DOCUMENTS FOR EMPLOYEES SUBJECT TO MEDICAL REMOVAL

The employer must maintain--for at least the duration of employ-ment--an accurate record for each employee subject to medical removal, including:

- The name and social security number of the employee;
- The date on each occasion that the employee was removed from current exposure to lead and the corresponding date which the employee was returned to former job status;
- A brief explanation of how each removal was or is being accomplished; and
- A statement about each removal indicating whether the reason for removal was an elevated blood level.

EMPLOYER REQUIREMENTS RELATED TO OBJECTIVE DATA

The employer must establish and maintain an accurate record documenting the nature and relevancy of objective data relied on to assess initial employee exposure in lieu of exposure monitoring. The employer must maintain the record of objective data relied on for at least 30 years.

DOCUMENTS FOR OSHA AND NIOSH REVIEW

The employer must make all records--including exposure monitor-ing, objective data, medical removal, and medical records--

available upon request to affected employees, former employees, and their designated representatives and to the OSHA Assistant Secretary and the Director of the National Institute for Occupational Safety and Health (NIOSH) for examination and copying in accordance with 29 CFR 1910.1020.

WHEN CLOSING A BUSINESS

When an employer ceases to do business, the successor employer must receive and retain all required records. If no successor is available, these records must be sent to the Director of NIOSH.

Exposure Reduction and Employee Protection

The most effective way to protect workers is to minimize their exposure through engineering controls, good work practices and training, and use of personal protective clothing and equipment, including respirators, where required. The employer needs to designate a competent person capable of identifying existing and predictable lead hazards and who is authorized to take prompt corrective measures to eliminate such problems. The employer should, as needed, consult a qualified safety and health professional to develop and implement an effective worker protection program. These professionals may work independently or may be associated with an insurance carrier, trade organization, or onsite consultation program.

Engineering Controls

Engineering measures include local and general exhaust ventilation, process and equipment modification, material substitution, component replacement, and isolation or automation. Examples of recommended engineering controls that can help reduce worker exposure to lead are described as follows.

EXHAUST VENTILATION

Equip power tools used to remove lead-based paint with dust collection shrouds or other attachments so that paint is exhausted

through a high-efficiency particulate air (HEPA) vacuum system. For operations such as welding, cutting/burning, or heating, use local exhaust ventilation. Use HEPA vacuums during cleanup operations.

For abrasive blasting operations, build a containment structure that is designed to optimize the flow of clean ventilation air past the workers' breathing zones. This will help reduce the exposure to airborne lead and increase visibility. Maintain the affected area under negative pressure to reduce the chances that lead dust will contaminate areas outside the enclosure. Equip the containment structure with an adequately sized dust collector to control emissions of particulate matter into the environment.

ENCLOSURE OR ENCAPSULATION

One way to reduce the lead inhalation or ingestion hazard posed by lead-based paint is to encapsulate it with a material that bonds to the surface, such as acrylic or epoxy coating or flexible wall coverings. Another option is to enclose it using systems such as gypsum wallboard, plywood paneling, and aluminum, vinyl, or wood exterior siding. Floors coated with lead-based paint can be covered using vinyl tile or linoleum.

The building owner or other responsible person should oversee the custodial and maintenance staffs and contractors during all activities involving enclosed or encapsulated lead-based paint. This will minimize the potential for an inadvertent lead release during maintenance, renovation, or demolition.

SUBSTITUTION

Choose materials and chemicals that do not contain lead for construction projects. Among the options are:

- Use zinc-containing primers covered by an epoxy intermediate coat and polyurethane topcoat instead of lead-containing coatings.
- Substitute mobile hydraulic shears for torch cutting under certain circumstances.
- Consider surface preparation equipment such as needle guns with multiple reciprocating needles completely enclosed within an adjustable shroud, instead of abrasive blasting under certain

conditions. The shroud captures dust and debris at the cutting edge and can be equipped with a HEPA vacuum filtration with a self-drumming feature. One such commercial unit can remove lead-based paint from flat steel and concrete surfaces, outside edges, inside corners, and pipes.

- Choose chemical strippers in lieu of hand scraping with a heat gun for work on building exteriors, surfaces involving carvings or molding, or intricate iron work. Chemical removal generates less airborne lead dust. (Be aware, however, that these strippers themselves can be hazardous and that the employer must review the material safety data sheets (MSDSs) for these stripping agents to obtain information on their hazards.)

COMPONENT REPLACEMENT

Replace lead-based painted building components such as windows, doors, and trim with new components free of lead-containing paint. Another option is to remove the paint offsite and then repaint the components with zinc-based paint before replacing them.

PROCESS OR EQUIPMENT MODIFICATION

When applying lead paints or other lead-containing coatings, use a brush or roller rather than a sprayer. This application method introduces little or no paint mist into the air to present a lead inhalation hazard. (Note that there is a ban on the use of lead-based paint in residential housing.)

Use non-silica-containing abrasives such as steel or iron shot/grit sand instead of sand in abrasive blasting operations when practical. The free silica portion of the dust presents a respiratory health hazard.

When appropriate for the conditions, choose blasting techniques that are less dusty than open-air abrasive blasting. These include hydro- or wet-blasting using high-pressure water with or without an abrasive or surrounding the blast nozzle with a ring of water, and vacuum blasting where a vacuum hood for material removal is positioned around the exterior of the blasting nozzle.

When using a heat gun to remove lead-based paints in residential housing units, be sure it is of the flameless electrical softener

type. Heat guns should have electronically controlled temperature settings to allow usage below 700 degrees F. Equip heat guns with various nozzles to cover all common applications and to limit the size of the heated work area.

When using abrasive blasting with a vacuum hood on exterior building surfaces, ensure that the configuration of the heads on the blasting nozzle match the configuration of the substrate so that the vacuum is effective in containing debris.

Ensure that HEPA vacuum cleaners have the appropriate attachments for use on unusual surfaces. Proper use of brushes of various sizes, crevice and angular tools, when needed, will enhance the quality of the HEPA-vacuuming process and help reduce the amount of lead dust released into the air.

ISOLATION

Although it is not feasible to enclose and ventilate some abrasive blasting operations completely, it is possible to isolate many operations to help reduce the potential for lead exposure. Isolation consists of keeping employees not involved in the blasting operations as far away from the work area as possible, reducing the risk of exposure.

Housekeeping and Personal Hygiene

Lead is a cumulative and persistent toxic substance that poses a serious health risk. A rigorous housekeeping program and the observance of basic personal hygiene practices will minimize employee exposure to lead. In addition, these two elements of the worker protection program help prevent workers from taking lead-contaminated dust out of the worksite and into their homes where it can extend the workers' exposures and potentially affect their families' health.

HOUSEKEEPING PRACTICES

An effective housekeeping program involves a regular schedule to remove accumulations of lead dust and lead-containing debris. The schedule should be adapted to exposure conditions at a particular worksite. OSHA's Lead Standard for Construction requires

employers to maintain all surfaces as free of lead contamination as practicable. Vacuuming lead dust with HEPA-filtered equipment or wetting the dust with water before sweeping are effective control measures. Compressed air may not be used to remove lead from contaminated surfaces unless a ventilation system is in place to capture the dust generated by the compressed air.

In addition, put all lead-containing debris and contaminated items accumulated for disposal into sealed, impermeable bags or other closed impermeable containers. Label bags and containers as lead-containing waste. These measures provide additional help in controlling exposure.

PERSONAL HYGIENE PRACTICES

Emphasize workers' personal hygiene such as washing their hands and face after work and before eating to minimize their exposure to lead. Provide and ensure that workers use washing facilities. Provide clean change areas and readily accessible eating areas. If possible, provide a parking area where cars will not be contaminated with lead. These measures:

- Reduce workers' exposure to lead and the likelihood that they will ingest lead,
- Ensure that the exposure does not extend beyond the worksite,
- Reduce the movement of lead from the worksite, and
- Provide added protection to employees and their families.

CHANGE AREAS

The employer must provide a clean change area for employees whose airborne exposure to lead is above the PEL. The area must be equipped with storage facilities for street clothes and a separate area with facilities for the removal and storage of lead-contaminated protective work clothing and equipment. This separation prevents cross contamination of the employee's street and work clothing.

Employees must use a clean change area for taking off street clothes, suiting up in clean protective work clothing, donning respirators before beginning work, and dressing in street clothes after work. No lead-contaminated items should enter this area.

Work clothing must not be worn away from the jobsite. Under no circumstances should lead-contaminated work clothes be laundered at home or taken from the worksite, except to be laundered professionally or for disposal following applicable federal, state, and local regulations.

SHOWERS AND WASHING FACILITIES

When feasible, showers must be provided for use by employees whose airborne exposure to lead is above the permissible exposure limit so they can shower before leaving the worksite. Where showers are provided, employees must change out of their work clothes and shower before changing into their street clothes and leaving the worksite. If employees do not change into clean clothing before leaving the worksite, they may contaminate their homes and automobiles with lead dust, extending their exposure and exposing other members of their household to lead.

In addition, employers must provide adequate washing facilities for their workers. These facilities must be close to the worksite and furnished with water, soap, and clean towels so employees can remove lead contamination from their skin.

Contaminated water from washing facilities and showers must be disposed of in accordance with applicable local, state, or federal regulations.

PERSONAL PRACTICES

The employer must ensure that employees do not enter lunchroom facilities or eating areas with protective work clothing or equipment unless surface lead dust has been removed. HEPA vacuuming and use of a downdraft booth are examples of cleaning methods that limit the dispersion of lead dust from contaminated work clothing.

In all areas where employees are exposed to lead above the PEL, employees must observe the prohibition on the presence and consumption or use of food, beverages, tobacco products, and cosmetics. Employees whose airborne exposure to lead is above the PEL must wash their hands and face before eating, drinking, smoking, or applying cosmetics.

END-OF-DAY PROCEDURES

Employers must ensure that workers who are exposed to lead above the permissible exposure limit follow these procedures at the end of their workday:

- Place contaminated clothes, including work shoes and personal protective equipment to be cleaned, laundered, or disposed of, in a properly labeled closed container.
- Take a shower and wash their hair. Where showers are not provided, employees must wash their hands and face at the end of the workshift.
- Change into street clothes in clean change areas.

Protective Clothing and Equipment

EMPLOYER REQUIREMENTS

Employers must provide workers who are exposed to lead above the PEL or for whom the possibility of skin or eye irritation exists with clean, dry protective work clothing and equipment that are appropriate for the hazard. Employers must provide these items at no cost to employees. Appropriate protective work clothing and equipment used on construction sites includes:

- Coveralls or other full-body work clothing;
- Gloves, hats, and shoes or disposable shoe coverlets;
- Vented goggles or face shields with protective spectacles or goggles;
- Welding or abrasive blasting helmets; and
- Respirators.

Clean work clothing must be issued daily for employees whose exposure levels to lead are above 200 µg/m3, weekly if exposures are above the PEL but at or below 200 µg/m3 or where the possibility of skin or eye irritation exists.

HANDLING CONTAMINATED PROTECTIVE CLOTHING

Workers must not be allowed to leave the worksite wearing lead-contaminated protective clothing or equipment. This is an essential

step in reducing the movement of lead contamination from the workplace into the worker's home and provides added protection for employees and their families.

Disposable coveralls and separate shoe covers may be used, if appropriate, to avoid the need for laundering. Workers must remove protective clothing in change rooms provided for that purpose.

Employers must ensure that employees leave the respirator use area to wash their faces and respirator facepieces as necessary. In addition, employers may require their employees to use HEPA vacuuming, damp wiping, or another suitable cleaning method before removing a respirator to clear loose particle contamination on the respirator and at the face-mask seal.

Place contaminated clothing that is to be cleaned, laundered, or disposed of by the employer in closed containers. Label containers with the warning: "Caution: Clothing contaminated with lead. Do not remove dust by blowing or shaking. Dispose of lead-contaminated wash water in accordance with applicable local, state, or federal regulations."

Workers responsible for handling contaminated clothing, including those in laundry services or subcontractors, must be informed in writing of the potential health hazard of lead exposure. At no time shall lead be removed from protective clothing or equipment by brushing, shaking, or blowing. These actions disperse the lead into the work area.

PREVENTING HEAT STRESS

Workers wearing protective clothing, particularly in hot environments or within containment structures, can face a risk from heat stress if proper control measures are not used.

Heat stress is caused by several interacting factors, including environmental conditions, type of protective clothing worn, the work activity required and anticipated work rate, and individual employee characteristics such as age, weight, and fitness level. When heat stress is a concern, the employer should choose lighter, less insulating protective clothing over heavier clothing, as long as

it provides adequate protection. Other measures the employer can take include: discussing the possibility of heat stress and its signs and symptoms with all workers; using appropriate work/rest regimens; and providing heat stress monitoring that includes measuring employees' heart rates, body temperatures, and weight loss. Employers must provide a source of water or electrolyte drink in a non-contaminated eating and drinking area close to the work area so workers can drink often throughout the day. Workers must wash their hands and face before drinking any fluid if their airborne exposure is above the PEL.

Respiratory Protection

Although engineering and work practice controls are the primary means of protecting workers from exposure to lead, source control at construction sites sometimes is insufficient to control exposure. In these cases, airborne lead concentrations may be high or may vary widely. Respirators often must be used to supplement engineering controls and work practices to reduce worker lead exposures below the PEL. When respirators are required, employers must provide them at no cost to workers.

The standard requires that respirators be used during periods when an employee's exposure to lead exceeds the PEL, including

- Periods necessary to install or implement engineering or work practice controls, and
- Work operations for which engineering and work practice controls are insufficient to reduce employee exposures to or below the PEL.

Respirators also must be provided upon employee request. A requested respirator is included as a requirement to provide increased protection for those employees who wish to reduce their lead burden below what is required by the standard, particularly if they intend to have children in the near future. In addition, respirators must be used when performing previously indicated high exposure or "trigger" tasks, before completion of the initial assessment.

PROVIDING ADEQUATE RESPIRATORY PROTECTION

Before any employee first starts wearing a respirator in the work environment, the employer must perform a fit test. For all employees wearing negative or positive pressure tight-fitting facepiece respirators, the employer must perform either qualitative or quantitative fit tests using an OSHA-accepted fit testing protocol. In addition, employees must be fit tested whenever a different respirator facepiece is used, and at least annually thereafter.

Where daily airborne exposure to lead exceeds 50 µg/m3, affected workers must don respirators before entering the work area and should not remove them until they leave the high-exposure area or have completed a decontamination procedure. Employers must assure that the respirator issued to the employee is selected and fitted properly to ensure minimum leakage through the facepiece-to-face seal.

RESPIRATORY PROTECTION PROGRAMS

When respirators are required at a worksite, the employer must establish a respiratory protection program in accordance with the OSHA standard on respiratory protection, 29 CFR 1910.134. At a minimum, an acceptable respirator program for lead must include:

- Procedures for selecting respirators appropriate to the hazard;
- Fit testing procedures;
- Procedures for proper use of respirators in routine and reasonably foreseeable emergency situations, including cartridge change schedules;
- Procedures and schedules for cleaning, disinfecting, storing, inspecting, repairing, discarding, and otherwise maintaining respirators;
- Training of employees in the respiratory hazard to which they are potentially exposed during routine and emergency situations;
- Training of employees in the proper use of respirators, including putting on and removing them, any limitations of their use, and their maintenance;

- Procedures for regularly evaluating the effectiveness of the program;
- Procedures to ensure air quality when supplied air is used;
- A written program and designation of a program administrator; and
- Recordkeeping procedures.

In addition, the construction industry lead standard stipulates medical evaluations of employees required to use respirators.

If an employee has difficulty in breathing during a fit test or while using a respirator, the employer must make a medical examination available to that employee to determine whether he or she can wear a respirator safely.

SELECTING A RESPIRATOR

The employer must select the appropriate respirator from Table 1 of the lead standard, 29 CFR 1926.62(f)(3)(i). The employer must provide a powered air-purifying respirator when an employee chooses to use this respirator and it will provide the employee adequate protection. A NIOSH-certified respirator must be selected and used in compliance with the conditions of its certification. In addition, if exposure monitoring or experience indicates airborne exposures to contaminants other than lead such as silica, solvents, or polyurethane coatings, these exposures must be considered when selecting respiratory protection.

Select type CE respirators approved by NIOSH for abrasive blasting operations. Currently, there are two kinds of CE respirators with the following assigned protection factors (APFs): a continuous-flow respirator with a loose-fitting hood, APF 25; and a full facepiece supplied-air respirator operated in a positive-pressure mode, APF 2,000. (Note: OSHA recognizes Bullard Helmets, Models 77 and 88 (1995); Clemco Appollo, Models 20 and 60 (1997); and 3M Model 8100 (1998) as having APFs of 1,000.)

For any airline respirator, it is important to follow the manufacturer's instructions regarding air quality, air pressure, and inside diameter and length of hoses. Be aware that using longer hoses or smaller inside diameter hoses than the manufacturer specifies or

hoses with bends or kinks may reduce or restrict the airflow to a respirator.

Employee Information and Training

The employer must inform employees about lead hazards according to the requirement of OSHA's Hazard Communication standard for the construction industry, 29 CFR 1926.59, including--but not limited to--the requirements for warning signs and labels, material safety data sheets (MSDSs), and employee information and training. (Refer to 29 CFR 1910.1200.)

PROGRAM REQUIREMENTS

Employers must institute an information and training program and ensure that all employees subject to exposure to lead or lead compounds at or above the action level on any day participate. Also covered under information and training are employees who may suffer skin or eye irritation from lead compounds. Initial training must be provided before the initial job assignment. Training must be repeated at least annually and, in brief summary, must include:

- The content of the OSHA lead standard and its appendices;
- The specific nature of operations that could lead to lead expo-sure above the action level;
- The purpose, proper selection, fit, use, and limitations of respirators;
- The purpose and a description of the medical surveillance program, and the medical removal protection program;
- Information concerning the adverse health effects associated with excessive lead exposure;
- The engineering and work practice controls associated with employees' job assignments;
- The contents of any lead-related compliance plan in effect;
- Instructions to employees that chelating agents must not be used routinely to remove lead from their bodies and when necessary only under medical supervision and at the direction of a licensed physician; and

- The right to access records under "Access to Employee Exposure and Medical Records," 29 CFR 1910.1020.

All materials relating to the training program and a copy of the standard and its appendices must be made readily available to all affected employees.

WARNING SIGNS

Employers are required to post these warning signs in each work area where employee exposure to lead is above the PEL:

- WARNING
- LEAD WORK AREA
- POISON
- NO SMOKING OR EATING

All signs must be well lit and kept clean so that they are easily visible. Statements that contradict or detract from the signs' meaning are prohibited. Signs required by other statutes, regulations, or ordinances, however, may be posted in addition to, or in combination with, this sign.

OSHA Assistance, Services, and Products

OSHA can provide extensive help through a variety of programs, including assistance about safety and health programs, state plans, workplace consultations, voluntary protection programs, strategic partnerships, alliances, and training and education. An overall commitment to workplace safety and health can add value to your business, to your workplace, and to your life.

How does safety and health management system assistance help employers and employees?

Working in a safe and healthful environment can stimulate innovation and creativity and result in increased performance and higher productivity. The key to a safe and healthful work environment is a comprehensive safety and health management system.

OSHA has electronic compliance assistance tools, or eTools, on its website that walks users through the steps required to develop a

comprehensive safety and health program. The eTools are posted at www.osha.gov, and are based on guidelines that identify four general elements critical to a successful safety and health management system:

- Management leadership and employee involvement,
- Worksite analysis,
- Hazard prevention and control, and
- Safety and health training.

STATE PROGRAMS

The Occupational Safety and Health Act of 1970 (OSH Act) encourages states to develop and operate their own job safety and health plans. OSHA approves and monitors these plans and funds up to 50 percent of each program's operating costs. State plans must provide standards and enforcement programs, as well as voluntary compliance activities, that are at least as effective as federal OSHA's.

Currently, 26 states and territories have their own plans. Twenty-three cover both private and public (state and local government) employees and three states, Connecticut, New Jersey, and New York, cover only the public sector. For more information on state plans, see the list at the end of this publication, or visit OSHA's website at www.osha.gov.

CONSULTATION ASSISTANCE

Consultation assistance is available on request to employers who want help establishing and maintaining a safe and healthful workplace. Funded largely by OSHA, the service is provided at no cost to small employers and is delivered by state authorities through professional safety and health consultants.

SAFETY AND HEALTH ACHIEVEMENT RECOGNITION PROGRAM

Under the consultation program, certain exemplary employers may request participation in OSHA's Safety and Health Achievement Recognition Program (SHARP). Eligibility for participation includes, but is not limited to, receiving a full-service, compre-

hensive consultation visit, correcting all identified hazards, and developing an effective safety and health management system.

Employers accepted into SHARP may receive an exemption from programmed inspections (not complaint or accident investigation inspections) for 1 year initially, or 2 years upon renewal. For more information about consultation assistance, see the list of consultation projects at the end of this publication.

VOLUNTARY PROTECTION PROGRAMS

Voluntary Protection Programs (VPP) are designed to recognize outstanding achievements by companies that have developed and implemented effective safety and health management programs. There are three VPP programs: Star, Merit, and Demonstration. All are designed to

- Recognize who that have successfully developed and implemented effective and comprehensive safety and health management programs;
- Encourage these employers to continuously improve their safety and health management programs;
- Motivate other employers to achieve excellent safety and health results in the same outstanding way; and
- Establish a cooperative relationship between employers, employees, and OSHA.

VPP participation can bring many benefits to employers and employees, including fewer worker fatalities, injuries, and illnesses; lost-workday case rates generally 50 percent below industry averages; and lower workers' compensation and other injury- and illness-related costs. In addition, many VPP sites report improved employee motivation to work safely, leading to a better quality of life at work; positive community recognition and interaction; further improvement and revitalization of already-good safety and health programs; and a positive relationship with OSHA.

After a site applies for the program, OSHA reviews an employer's VPP application and conducts a VPP onsite evaluation to verify that the site's safety and health management programs are

operating effectively. OSHA conducts onsite evaluations on a regular basis.

Sites participating in VPP are not scheduled for regular, programmed inspections. OSHA does, however, handle any employee complaints, serious accidents, or significant chemical releases that may occur at VPP sites according to routine enforcement procedures.

Additional information on VPP is available from OSHA regional offices listed at the end of this booklet. Also, see "Cooperative Programs" on OSHA's website.

COOPERATIVE PARTNERSHIPS

OSHA has learned firsthand that voluntary, cooperative partnerships with employers, employees, and unions can be a useful alternative to traditional enforcement and an effective way to reduce worker deaths, injuries, and illnesses. This is especially true when a partnership leads to the development and implementation of a comprehensive workplace safety and health management system.

ALLIANCE PROGRAM

Alliances enable organizations committed to workplace safety and health to collaborate with OSHA to prevent injuries and illnesses in the workplace. OSHA and its allies work together to reach out to, educate, and lead the nation's employers and their employees in improving and advancing workplace safety and health.

Alliances are open to all, including trade or professional organizations, businesses, labor organizations, educational institutions, and government agencies. In some cases, organizations may be building on existing relationships with OSHA through other cooperative programs.

There are few formal program requirements for alliances, which are less structured than other cooperative agreements, and the agreements do not include an enforcement component. However, OSHA and the participating organizations must define, implement, and meet a set of short- and long-term goals that fall into three categories: training and education; outreach and communication; and promotion of the national dialogue on workplace safety and health.

STRATEGIC PARTNERSHIP PROGRAM

OSHA Strategic Partnerships are agreements among labor, management, and government to improve workplace safety and health. These partnerships encourage, assist, and recognize the efforts of the partners to eliminate serious workplace hazards and achieve a high level of worker safety and health. Whereas OSHA's Consultation Program and VPP entail one-on-one relationships between OSHA and individual worksites, most strategic partnerships build cooperative relationships with groups of employers and employees.

For more information about this program, contact your nearest OSHA office or visit our website.

OCCUPATIONAL SAFETY AND HEALTH TRAINING

The OSHA Training Institute in Arlington Heights, Ill., provides basic and advanced training and education in safety and health for federal and state compliance officers, state consultants, other federal agency personnel, and private-sector employers, employees, and their representatives.

TRAINING GRANTS

OSHA awards grants to nonprofit organizations to provide safety and health training and education to employers and workers in the workplace. Grants often focus on high-risk activities or hazards or may help nonprofit organizations in training, education, and outreach.

OSHA expects each grantee to develop a program that addresses a safety and health topic named by OSHA, recruit workers and employers for the training, and conduct the training. Grantees are also expected to follow up with students to find out how they applied the training in their workplaces.

For more information contact OSHA Office of Training and Education, 2020 Arlington Heights Rd., Arlington Heights, IL 60005; or call (847) 297-4810.

OSHA
www.osha.gov

OTHER ASSISTANCE MATERIALS

OSHA has a variety of materials and tools on its website at www.osha.gov. These include eTools such as Expert Advisors and Electronic Compliance Assistance Tools, information on specific health and safety topics, regulations, directives, publications, videos, and other information for employers and employees.

OSHA also has an extensive publications program. For a list of items, visit OSHA's website at www.osha.gov or contact the OSHA Publications Office, U.S. Department of Labor, 200 Constitution Avenue, NW, N-3101, Washington, DC 20210. Telephone (202) 693-1888 or fax to (202) 693-2498.

In addition, OSHA's CD-ROM includes standards, interpretations, directives, and more. It is available for sale from the U.S. Government Printing Office. To order, write to the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402, or phone (202) 512-1800.

IN CASE OF AN EMERGENCY OR TO FILE A COMPLAINT

To report an emergency, file a complaint, or seek OSHA advice, assistance, or products, call (800) 321-OSHA or contact your nearest OSHA regional office listed at the end of this publication. The teletypewriter (TTY) number is (877) 889-5627.

Employees can also file a complaint online and get more information on OSHA federal and state programs by visiting OSHA's website at www.osha.gov.

OSHA Regional Offices

Region I
(CT,* ME, MA, NH, RI, VT*)
Boston, MA 02203
(617) 565-9860

Region II
(NJ,* NY,* PR,* VI*)
201 Varick Street, Room 670
New York, NY 10014
(212) 337-2378

Region III
(DE, DC, MD,* PA,* VA,* WV)
The Curtis Center
170 S. Independence Mall West
Suite 740 West
Philadelphia, PA 19106-3309
(215) 861-4900

Region IV
(AL, FL, GA, KY,* MS, NC,* SC,* TN*)
Atlanta Federal Center
61 Forsyth Street SW, Room 6T50
Atlanta, GA 30303
(404) 562-2300

Region V
(IL, IN,* MI,* MN,* OH, WI)
230 South Dearborn Street,
Room 3244
Chicago, IL 60604
(312) 353-2220

Region VI
(AR, LA, NM,* OK, TX)
525 Griffin Street, Room 602
Dallas, TX 75202
(214) 767-4731 or 4736 x224

Region VII
(IA,* KS, MO, NE)
City Center Square
1100 Main Street, Suite 800
Kansas City, MO 64105
(816) 426-5861

Region VIII
(CO, MT, ND, SD, UT,* WY*)
1999 Broadway, Suite 1690
PO Box 46550
Denver, CO 80202-5716
(303) 844-1600

Region IX
(American Samoa, AZ,* CA,* HI, NV,* Northern Mariana Islands)
71 Stevenson Street, Room 420
San Francisco, CA 94105
(415) 975-4310

Region X
(AK,* ID, OR,* WA*)
1111 Third Avenue, Suite 715
Seattle, WA 98101-3212
(206) 553-5930

*These states and territories operate their own OSHA-approved job safety and health programs (Connecticut, New Jersey, and New York plans cover public employees only). States with approved programs must have a standard that is identical to, or at least as effective as, the federal standard.

Note: To get contact information for OSHA Area Offices, OSHA-approved state plans, and OSHA Consultation Projects, please visit us online at www.osha.gov or call us at (800) 321-OSHA.

APPENDIX E

Analytical Information

SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838

11/09/2004

Dessert Creek LLC
PO Box 1900
Eatonville, WA 98328
Attn: Chad Gilliardi

P.O.#:	PD CC 006557
Project:	Ottinger
Client ID:	Wall
Sample Matrix:	Soil
Date Sampled:	10/27/2004
Date Received:	10/27/2004
Spectra Project:	2004100379
Spectra Number:	1

Analyte	Result	Units	Method
TCLP Lead	0.38	mg/L	SW846 6010B
pH	7.55	pH Units	SW846 9045

SPECTRA LABORATORIES

for
Steve Hibbs, Laboratory Manager
as/mlh

CITY OF PUYALLUP

ENVIRONMENTAL CHECKLIST

Action:_____

Receipt: _____

Received By:_____

Date: _____

I. INTRODUCTION INFORMATION

Name of Proposal (if applicable):
Sunset Pointe

Applicant: **Peter Y Chen and Beth Liu**

Address: **4709 Memory Lane West**
University Place, WA 98466

Phone:

Agent: **Craig Deaver, Principal with CES NW Inc.**

Address: **429-29th Street NE, Suite D**
Puyallup, WA 98371

Phone: **(253) 848-4282**

Location of Project: **City of Puyallup, Pierce County, Washington**

Address: **2301 23rd Street SE, Puyallup WA 98372**
See Appendix for Vicinity Map.

Section: **35** Quarter: **SW** Township: **20 N** Range: **04 E**

Tax Parcel Numbers: **0420353027 and 0420357011**

Date Checklist Prepared: **March 12, 2018**

Revised October 26, 2020

A. BACKGROUND

1. Proposed timing or schedule (including phasing, if applicable):

   Gain preliminary plat approval in Winter 2020, construction permit issuance in Spring 2021, complete site construction and record final plat by Fall 2021 and begin home construction upon final plat recording.

2. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain:

   No, not at this time.

3. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

   The project is a single-family lot subdivision located within RS-10 zoning classification. A Critical Areas Assessment was completed by Habitat Technologies dated September 21, 2018.

4. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain:

   No, no other applications are pending for governmental approval that we know of.

5. List any government approvals or permits that will be needed for your proposal, if known.

   SEPA Determination, Engineer/Construction Permit, Forest Practices and building permits.

6. Give a brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page.

   The 9.19-acre site will be developed into 18 residential lots with internal public roads and utilities. The plat is designed to blend in with the surrounding neighborhoods. City of Puyallup Utilities will serve the plat.

7. Location of proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur

over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.

From I-5 (heading north) – take the East 28th Street. Continue on East 28th Street. Continue onto WA-167N/River Road East. Turn right onto 11th Street NW. Turn left onto West Stewart Avenue. Turn right onto 5th Street NW. Turn left onto 9th Avenue SW. Turn right onto South Meridian. Turn left onto 23rd Avenue SE. Turn left onto 17th Street SE. 17th Street SE turns right and becomes 19th Avenue SE. The destination will be on your right.

Section: **35** Quarter: **SW** Township: **20 N** Range: **04 E**

B. ENVIRONMENTAL IMPACTS

1. EARTH

a. General description of the site (circle one): flat, rolling, hilly, steep slopes, mountainous, other_____:

Generally, the site is moderately sloped from its southern boundary line to the existing wetlands. The northern portion of the site slopes from the existing ridge to 19th Avenue SE (extended).

b. What is the steepest slope on the site (approximate percent slope)?

The steepest slope on the site is approximately 30 percent and is located in the center portion of the site near pond in Tract 'B'.

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any agricultural land of long-term commercial significance and whether the proposal results in removing any of these soils.

The soils at the site are identified by the USDA Natural Resource Conservation Service (NRCS) maps of Pierce County, Washington as Everett very gravely sandy loam, 0 to 8 percent slopes, Everett very gravelly sandy loam, 8 to 15 percent slopes, Indianola loamy sand, 5 to 15 percent slopes, Kitsap silt loam, 2 to 8 percent slopes, Kitsap silt loam, 8 to 15 percent slopes and Kitsap silt loam, 15 to

30 percent slopes.

See Appendix for the Soils Map and Soils Description

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

No. However, the geotechnical report indicates Lot s 10 and 15 either partially contain, or are directly adjacent to, a slope which may be characterized as a landslide area.

e. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill.

The site will be designed to balance cut and fill quantities to the greatest extent possible. Grading plans prepared by a licensed professional engineer will be submitted to City of Puyallup for review and approval. It is estimated that approximately 7,000 cubic yards of total cut and 28,000 cubic yards of total fill will be required during construction of the proposed project.

f. Could erosion occur because of clearing, construction, or use? If so, generally describe.

Yes, if vegetation is cleared during wet weather, there is a potential for erosion to occur. The construction is planned to occur during dry weather and erosion control best management practices will be implemented.

g. What percent of the site will be covered with impervious surfaces after project construction (for example, asphalt, or buildings)?

Approximately 20 percent of the site will be covered with impervious surfaces. This area includes the proposed internal road, driveways and building surfaces within the site boundary.

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

As part of the grading plan, a temporary erosion and sedimentation control plan will be prepared for approval by City of Puyallup. Erosion control features will be installed prior to construction and maintained until the threat of erosion ceases to exist.

2. AIR

a. What types of emissions to the air would result from the proposal during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known.

The grading activities proposed at the site will cause dust particulate to be emitted to the air. Vehicles and equipment used during the construction can be a potential source of emissions. When the project is complete, the site may be the source of vehicle emissions from vehicles using the site. However, quantities are unknown.

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

Vehicles using the surrounding street system can be a source of emissions or odor. However, it is not anticipated that these off-site vehicle sources of emissions will affect this proposal. There are no other known sources of odor or emissions in the vicinity.

c. Proposed measures to reduce or control emissions or other impacts to air, if any:

Unwanted dust particulate can be controlled, to a certain extent, by the application of water before and during construction activities. It is assumed the construction vehicles used will be equipped with factory-installed mufflers and spark arresters that would control excessive emissions. There are no measures proposed to control emissions as a result of vehicles using the site after construction.

3. WATER

a. Surface Water:

1. Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

Yes, there is seasonal stream with wetlands located in the center of the site. The wetlands appear to have been created through the excavation of material within the ravine and through placement of material to establish the wetlands. The

control of the flow of the wetlands stream is via culverts which have been installed. A Critical Areas Assessment was completed by Habitat Technologies. Their report is dated September 21, 2018. No impacts to the wetlands are being proposed.

2. Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans for this work.

   Yes, the project will require work within 200 feet of wetlands. The work will include clearing and grading and the installation of a proposed stormwater facility. This work will be outside the proposed fifty-foot buffers of the wetlands.

3. Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

   No amount of fill or dredge will be placed or removed from surface waters or wetlands on the site.

4. Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.

   No, the project does not include any surface water withdrawals or diversions.

5. Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.

   Yes, a zone X floodplain is located within the wetlands. The wetlands will not be disturbed during site development.

6. Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

   No, the proposal does not include discharges of waste materials to any existing surface water.

b. Ground Water:

1. Will ground water be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known.

   There will be no groundwater withdrawals.

2. Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals . . .; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) is/are expected to serve.

   The project proposes to connect to the City of Puyallup sewer system. No discharge of waste material is proposed.

c. Water Runoff (including stormwater):

1. Describe the source of runoff (including stormwater) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

   The primary source of runoff will be from stormwater. Minimal water runoff is anticipated to occur due to landscape watering and other maintenance activities. The proposed stormwater conveyance system will be designed to collect and convey stormwater runoff from within the project to a detention vaults and ultimately to the City of Puyallup storm water system.

2. Could waste materials enter ground or surface waters? If so, generally describe.

   Generally, a project of this type and size would provide areas of landscaping. If chemicals or fertilizers that are used to maintain these areas are not handled properly, it is possible they could enter ground or surface waters. To our knowledge, there are no other known sources of contaminants associated with this proposal.

3. Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe.

The proposed plat stormwater design will maintain natural drainage patterns per City of Puyallup design standards.

d. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:

The proposed project site will collect its storm water runoff and direct it towards on-site detention vaults. The vaults meter the project's runoff and directs it downstream to the existing pond 'A' which is conveyed to the plat of Kodiak Estates. The northern basin will collect it's stormwater runoff and direct it to the proposed vault, which ultimately discharges to the storm drainage system in Horizon Highlands.

4. PLANTS

a. Check the type(s) of vegetation found on the site:
X _Deciduous tree:
X _Evergreen tree:
X _Shrubs
X _Grass
_ _Pasture
Crop or grain
_ _ _Orchards, vineyards or other permanent crops
X _Wet soil plants:
X _Water plants:
_ _Other types of vegetation:

b. What kind and amount of vegetation will be removed or altered?

The developer will clear the site within the clearing limits during development. Most of the trees are located within the wetlands tracts, or open space. The rest of the development is covered in grass and shrubs. The wetland will not be altered for this development. The development proposes a small amount of buffer mitigation.

c. List threatened or endangered species known to be on or near the site.

To our knowledge, there are no threatened or endangered plant species on or near the site. No threaten or endangered species are

noted on the Washington State Fish and Wildlife (WDFW) Priority Species and Habitat interactive map.

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

Landscaping will incorporate native plant species in accordance with City of Puyallup Code.

e. List all noxious weeds and invasive species known to be on or near the site.

Blackberry bushes and ivy are located on-site.

5. ANIMALS

a. List any birds and other animals, which have been observed on or near the site or are known to be on or near the site. Examples include:

Birds: **songbirds, crows**
Mammals: **field mice, squirrels**
Fish: **None**

b. List any threatened or endangered species known to be on or near the site.

To our knowledge, there are no threatened or endangered animal species on or near the site. No threaten or endangered species are noted on the Washington State Fish and Wildlife (WDFW) Priority Species and Habitat interactive map.

c. Is the site part of a migration route? If so, explain.

To our knowledge, the site is not part of a migration route.

d. Proposed measures to preserve or enhance wildlife, if any:

The project is a single-family residential subdivision. No measures are proposed.

e. List any invasive animal species known to be on or near the site.

None known.

6. ENERGY AND NATURAL RESOURCES

a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.

The primary energy source required to meet the energy needs of the proposed project is electricity. Sufficient amounts of which would be used to maintain a comfortable lifestyle and environment. The electricity would be used to for heating and lighting purposes.

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

No, the existing adjacent properties are single-family lots. The largest impact to placing solar panels is the existing home locations on the adjacent parcels.

c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any:

The homebuilder will build the proposed homes using energy efficient materials based on current industry standards for home building.

7. ENVIRONMENTAL HEALTH

a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste that could occur because of this proposal? If so, describe.

Typically, a residential development is not a source of environmental health hazards. During construction of the proposed project, it is possible that a spill related to construction activity or equipment may occur. Once the plat has been constructed, the risk of fire is always present within a residential development.

1) Describe any known or possible contamination at the site from present or past uses.

A possible contamination of the site was from existing old car battery casings being utilized as a dam for one of the wetlands. The old car battery casings have since been removed and the earth berm was installed with structural fill.

2) Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity.

There are no known hazardous chemicals/conditions that might affect the project development and design.

3) Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project.

During construction, typical materials for construction oil, petroleum or grease may be used and stored on-site and properly disposed of in accordance with the required stormwater pollution prevention plan. No chemicals will be produced.

4) Describe special emergency services that might be required.

While not anticipated to occur, the services of the local emergency service providers may be required at some time.

5) Proposed measures to reduce or control environmental health hazards, if any:

None are proposed.

b. Noise

1) What types of noise exist in the area, which may affect your project (for example: traffic, construction or production equipment, other)?

Noise exists from the neighboring single-family parcels and adjacent street system. However, it is not anticipated that the noise will adversely affect the proposed project.

2. What types and levels of noise would be created by or associated with the project on a short-term or long-term basis (for example: traffic, construction or production equipment, other)? Indicate what hours noise would come from the site.

During the short-term, construction activity at the project site will vary considerably as the construction progresses. In

addition, because the noise produced on the site depends on the equipment being used, the noise would vary from day to day. Maximum construction noise levels can be expected to range from 65 to 89 dBA with an average value of approximately 85 dBA. Minimum noise levels can be expected to have a wider range of 57 to 88 dBA with an average value of 78 dBA (based on a construction activity noise model, described in *Noise from Construction Equipment and Operations, Building Equipment, and Home Appliances*). Noise associated with construction operations on the site will occur roughly between the hours of 7:00 a.m. to 6:00 p.m., Monday through Friday. Long-term noise impacts will result from vehicles using the site and noises typical to a single-family development.

3. Proposed measure to reduce or control noise impacts, if any:

Noise impacts associated with the construction phases of the project will be limited in duration. To mitigate general noise impacts during the grading phase, measures such as using and regularly maintaining efficient mufflers and quieting devices on all construction equipment and vehicles can be anticipated. No measures to mitigate noise impacts during the building phase are proposed. Construction hours will be limited to the normal workday, 7:00 a.m. to 6:00 p.m.

8. LAND AND SHORELINE USE

a. What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe.

Current use is vacant land.

North: Large lot vacant land
South, West, East: Single-Family parcels

b. Has the site been used as working farmlands or working forestlands? If so, describe. How much agricultural or forestland of long-term commercial significance will be converted to other uses as a result of the proposal, if any? If resources lands have not been designated, how many acres in farmland or forestland tax status will be converted to nonfarm or non-forest use?

To our knowledge, the project site has not been used as working farmlands or working forestlands.

1) Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling and harvesting? If so, how:

To our knowledge, the adjacent parcels are not used for agriculture or forestry.

c. Describe any structures on the site.

The on-site structures are a barn and materials storage building.

d. Will any structures be demolished? If so, what?

Yes, the on-site structures (a barn and materials storage building).

e. What is the current zoning classification of the site?

City of Puyallup – RS-10

Please see the zoning map in the appendix for clarification of zoning.

f. What is the current comprehensive plan designation of the site?

Low Density Residential (LDR)

g. If applicable, what is the current shoreline master program designation of the site?

Project is not in an area designated as a shoreline, does not apply.

h. Has any part of the site been classified as a critical area by the city or county? If so, specify.

There are wetlands in the central portion of the site. The wetlands have a 50-foot buffer. See the Critical Areas Assessment by Habitat Technologies, dated September 21, 2018 for more information.

i. Approximately how many people would reside or work in the completed project?

The proposed plat will provide 18 homes and housing for approximately 54 residents.

j. Approximately how many people would the completed project displace?

None, the only structures on-site are a barn and materials storage building.

k. Proposed measures to avoid or reduce displacement impacts, if any:

None, the only structures on-site are a barn and materials storage building.

l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:

The proposed residential plat is adjacent to other single-family residential uses. The site is currently zoned RS-10.

m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any.

No measures proposed. To our knowledge, the adjacent parcels are not used for agricultural or forest lands.

9. HOUSING

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.

The development anticipates creating 18 new housing units in the proposed residential plat. It is assumed the housing units will be in the middle-income range.

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

None, the only structures on-site are a barn and materials storage building.

c. Proposed measures to reduce or control housing impacts, if any:

None are proposed.

10. AESTHETICS

a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?

Maximum building height is 36 feet per code.

b. What views in the immediate vicinity would be altered or obstructed?

The vicinity of 19th Ave SE and 21st Street SE is not considered a prime view corridor, and therefore, should not compromise the views from adjacent properties. The view of the site, of course, will be altered to that of a single-family housing development. The rear of proposed lots 8 through 13 contain a 35-foot native growth protection area (NGPA) buffer, which sets the proposed homes further west from Kodiak Estates. No walls are proposed at the rear of the Sunset Pointe lots adjacent to the Kodiak Estates development (Lots 25 through 29). The view will be altered for Kodiak Estates as homes will be placed on the proposed lots. There would be no change to the impact of light in the morning and afternoon. The sunset view will be altered with as the sun sets behind the proposed homes. The wetland tract will remain as existing and therefore the view from Lots 27 and 28 in Kodiak Estates will remain the similar. Stonegate development is west of proposed Lots 16 through 18 and is at the same approximately elevation. The Stonegate lots contain single-family homes.

c. Proposed measures to reduce or control aesthetic impacts, if any:

The proposed plat will include architecturally compatible homes. After home construction, the parcels will have landscaping. The interior public road will be built to City of Puyallup road standards

11. LIGHT AND GLARE

a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

Light and glare will result from reflective surfaces, exterior building lights, and streetlights. Interior lighting may be noticeable. The occurrence of light impacts are anticipated from dusk to dawn.

b. Could light or glare from the finished project be a safety hazard,

interfere with views, or affect wildlife?

It is highly unlikely that glare or light from the project site will interfere with views or affect wildlife. Streetlights and other outdoor lighting are intended to promote safety rather than create a safety hazard.

c. What existing off-site sources of light or glare may affect your proposal?

Off-site sources of light or glare that may be noticeable would be the result from reflective surfaces, exterior building lights, streetlights and interior lighting from the surrounding neighborhoods. The occurrence of light impacts are anticipated from dusk to dawn and are not anticipated to affect the project.

d. Proposed measures to reduce or control light and glare impacts, if any:

The exterior building lights and streetlights will be of low intensity, typically used for safety and security purpose.

12. RECREATION

a. What designated and informal recreational opportunities are in the immediate vicinity?

There are several designated and informal recreational opportunities that are in the immediate vicinity of the proposed site. Some of these opportunities include: Wildwood Park, Washington State Fairgrounds, Bradley Lake Park, Pioneer Park, Linden Golf and Country Club and Paintball Sports Park.

b. Would the proposed project displace any existing recreational uses? If so, describe.

No, the project will not displace any recreational opportunities.

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or application, if any:

No measures are proposed.

13. HISTORIC AND CULTURAL PRESERVATION

a. Are there any buildings, structures, or sites, located on or near the site that area over 45 years old listed in or eligible for listing in national, state, or local preservation registers? If so, specifically describe.

There are two structures on-site a barn and materials storage building. Both structures were built in 1950. Neither of these buildings are listed on the Department of Archaeology and Historic Preservation's WISSARD listing.

b. Are there any landmarks, features or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources.

To our knowledge, there are none.

c. Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc.

No formal studies have been conducted to assess cultural or historic resources associated with the site.

d. Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required.

There are no measures proposed to reduce or control impacts. However, if objects are unearthed during site work that may be culturally significant, the Washington State Office of Archaeology and Historic Preservation will be notified.

14. TRANSPORTATION

a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any:

The project site is located on 19th Avenue SE, which connects to Highway 161 via 17th Street SE, 23rd Avenue SE and South Meridian.

See Appendix for Vicinity Map.

b. Is the site or affected geographic area currently serviced by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop?

No. A review of the Pierce Transit regional bus schedule indicates that transit service is provided at by The Washington State Fairgrounds (approximately 2.3 miles to the northwest).

c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project eliminate?

The project will create 36 parking spaces in driveways and 36 parking spaces within garages.

d. Will the proposal require any new improvements to existing roads, streets, pedestrian, bicycle or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private).

Yes, the project proposes approximately 310 linear feet of frontage improvements along 23rd Street SE. The improvements include 9 feet of additional paving, curb, gutter, and sidewalk. The existing cul-de-sac in 23rd Street Place SE is proposed to be removed. A shared access tract will be constructed east of 19th Avenue East as part of this development.

e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

No.

f. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and non-passenger vehicles). What data or transportation models were used to make these estimates?

It is estimated the project will generate approximately 142 trips per day.

g. Will the proposal interfere with, affect or be affected by the movement

of agricultural and forest products on roads or streets in the area? If so generally describe.

No.

h. Proposed measures to reduce or control transportation impacts, if any:

None.

15. PUBLIC SERVICES

a. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe.

Yes. Whenever a residential development is constructed, the need for public services, such as police and fire protection, increases. Puyallup School District, Puyallup Police and Fire District serve the site.

b. Proposed measures to reduce or control direct impacts on public services, if any:

Impacts will be controlled by the increase in tax base and tax assessments paid to the public services as well as impact fees.

16. UTILITIES

a. Circle utilities currently available at the site: **Adjacent to the proposed plat are electricity**, **water, sewer refuse service**, **telephone**, **cable.**

b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity, which might be needed.

The proposed project anticipates using the following utilities:

Electricity:.....Puget Sound Energy
Water: ..... City of Puyallup
Sewer: ..... City of Puyallup
Refuse service: ..... Murray's Disposal
Telephone/cable/internet:.....CenturyLink/Comcast
Gas:.....Puget Sound Energy
Stormwater:..... City of Puyallup

SIGNATURES

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature:

Name of Signee: Dacon Markakis

Position and Agency/Organization:

10-27-2020

Date Submitted:

APPENDIX

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CITY OF PUYALLUP
ENVIRONMENTAL CHECKLIST

for

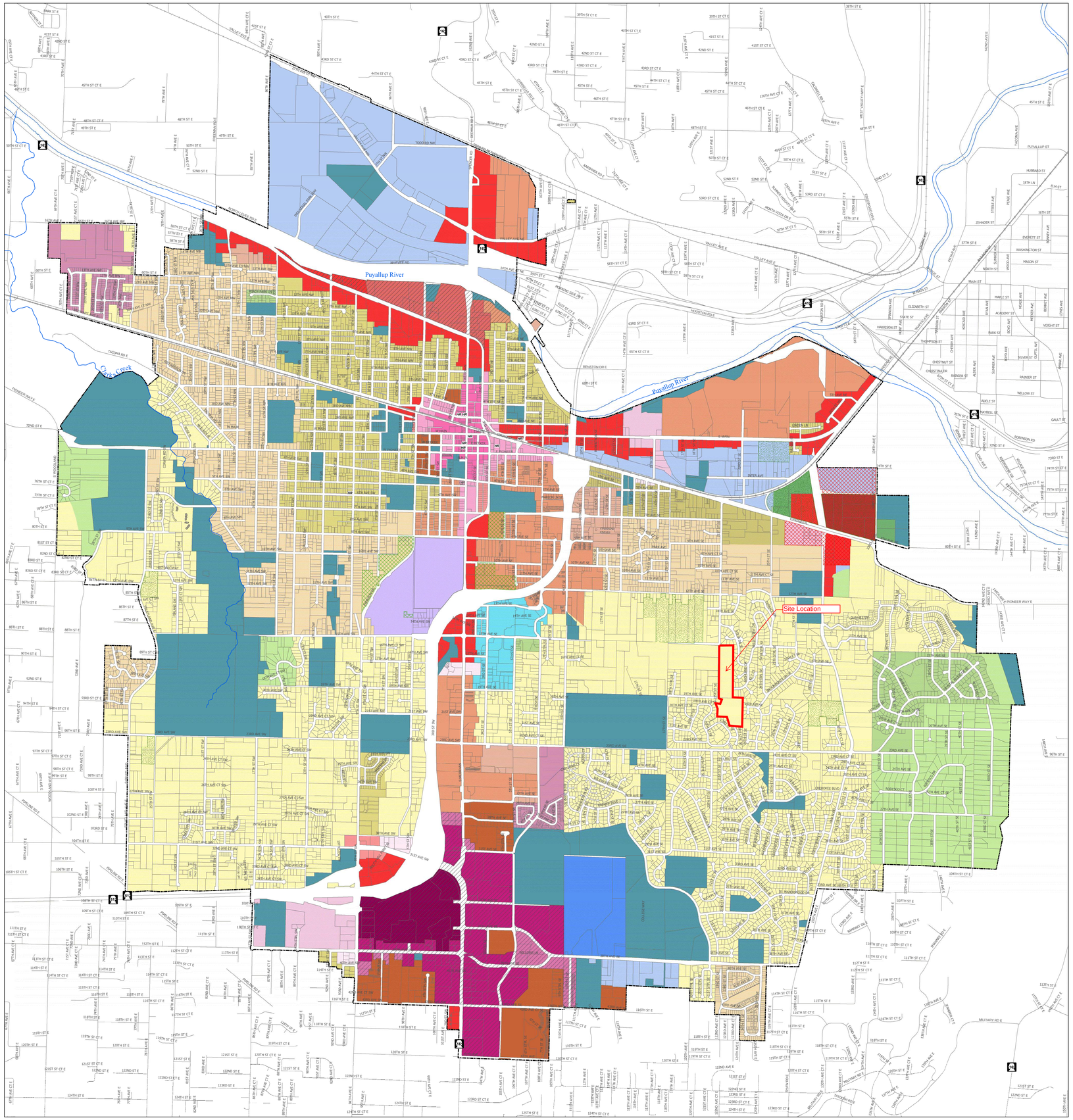
Sunset Pointe

March 12, 2018
Revised October 26,2020

Prepared For:
Peter Y Chen and Beth Liu
4709 Memory Lane West
University Place, WA 98466

Prepared By:
Dawn Markakis
Fred Brown
04148.7

CITY OF PUYALLUP ZONING MAP



MAP LEGEND

- City Limits
- Agriculture Overlay
- Fair Parking Overlay
- Mixed Use Design Review Overlay
- Shaw-East Pioneer Overlay
- OP - Professional Office
- CB - Community Business
- CBD - Central Business District
- CBD-CORE - Central Business District Core
- CG - General Commercial
- CL - Limited Commercial
- CCX - Community Commercial Mixed Use
- CMX - Shaw-Pioneer Community Mixed Use
- LMX - Limited Mixed Use
- RMX - River Road Mixed Use
- UCX - Urban Center Mixed Use
- ML - Limited Manufacturing
- MP - Business Park
- PDC - Planned Community Development
- PDR - Planned Residential Development
- RM-10 - Medium Density Multiple-Family Residential
- RM-20 - High Density Multiple-Family Residential
- RM-CORE - Regional Growth Center Oriented Multi-family Residential
- RS-04 - High Urban Density Single-Family Residential
- RS-06 - Urban Density Single-Family
- RS-08 - Medium Density Single-Family
- RS-10 - Low Urban Density Single-Family Residential
- RS-35 - Very Low Density Single-Family Residential
- PF - Public Facilities
- MED - Medical
- FAIR - Fair
- ARO - Agriculture, Recreation and Open Space

HR Properties on City of Puyallup's Historical Register

THIS IS AN OFFICIAL MAP

Please contact the Planning Division for site specific information.

MUNICIPAL FACTS
Population: 40,500 (April 1, 2017)
Area: 14.27 Square Miles (July 26, 2017)

Disclaimer:
The map features are approximate and are intended only to provide an indication of said feature. Additional areas that have not been mapped may be present. This is not a survey. Orthophotos and other data may not align. The County and the City of Puyallup assumes no liability for variations ascertained by actual survey. ALL DATA IS EXPRESSLY PROVIDED 'AS IS' AND 'WITH ALL FAULTS'. The County and City of Puyallup makes no warranty of fitness for a particular purpose.

0 1,000 2,000 4,000
Feet

1 " = 1,000 '

January 1, 2018

City of Puyallup
Information Technology
Department

N W E S

File Name: jray\planning\zoning\zoning_e.mxd

SUNSET POINTE PRELIMINARY PLAT

A PORTION OF SW 1/4, SEC. 35, TWP 20N, RNG 4E
WILLAMETTE MERIDIAN, PUYALLUP, WASHINGTON

LEGAL DESCRIPTION

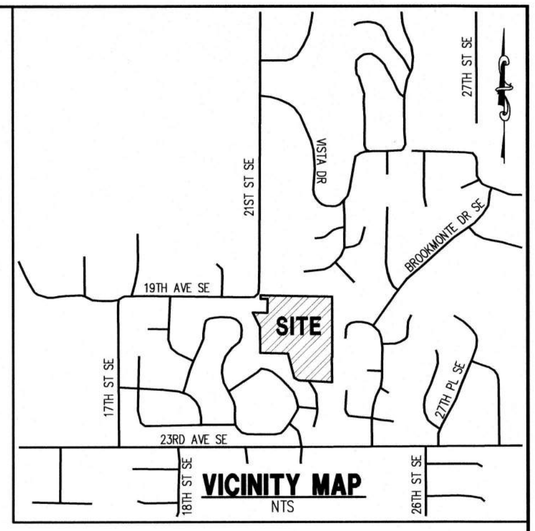
PARCEL C:
THAT PORTION OF THE SOUTHWEST QUARTER OF SECTION 35, TOWNSHIP 20 NORTH, RANGE 4 EAST, W.M., MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCING AT THE SOUTHWEST CORNER OF THE SOUTHWEST QUARTER OF SAID SECTION 35; THENCE EAST ALONG THE SOUTH LINE THEREOF A DISTANCE OF 1974.60 FEET; THENCE NORTH 01°06'54" EAST 615.92 FEET TO THE NORTHEAST CORNER OF LOT 10, STONEGATE, AS SHOWN ON THE PLAT THEREOF RECORDED UNDER AUDITOR'S NO. 9507200366 AND TO THE TRUE POINT OF BEGINNING; THENCE NORTH 87°01'41" WEST 292.30 FEET; THENCE NORTH 61°33'32" WEST 44.88 FEET; THENCE NORTH 15°12'37" WEST 219.64 FEET; THENCE NORTH 88°57'28" WEST 243.13 FEET; THENCE NORTH 00°48'44" WEST 226.43 FEET; THENCE NORTH 27°29'55" WEST 143.38 FEET; THENCE SOUTH 88°56'26" EAST 145.92 FEET; THENCE NORTH 28°41'48" EAST 80.82 FEET; THENCE NORTH 51°21'11" WEST 132.18 FEET TO A POINT ON THE NORTH LINE OF THE SOUTH HALF OF THE SOUTHWEST QUARTER OF SAID SECTION 35; THENCE SOUTH 89°22'06" EAST ALONG SAID LINE A DISTANCE OF 605.46 FEET TO THE NORTHWEST CORNER OF LOT 2, SHORT PLAT NO. 8105200168; THENCE SOUTH ALONG THE WEST LINE OF SAID SHORT PLAT 750.69 FEET. MORE OR LESS, TO THE TRUE POINT OF BEGINNING.
(ALSO KNOWN AS REVISED PARCEL D OF BOUNDARY LINE ADJUSTMENT NO. 9507170491.)

PARCEL D:
THAT PORTION OF LOT 2, AS SHOWN ON SHORT PLAT NO. 8105200168, IN PUYALLUP, PIERCE COUNTY, WASHINGTON, DESCRIBED AS FOLLOWS: BEGINNING AT THE NORTHWEST CORNER OF SAID LOT 2; THENCE ALONG THE WEST LINE THEREOF SOUTH 01°17'47" EAST 532.40 FEET TO THE NORTHWEST CORNER OF LOT 1 OF SAID SHORT PLAT; THENCE ALONG THE NORTH LINE OF SAID LOT 1, NORTH 89°49'07" EAST 4.70 FEET; THENCE NORTH 00°22'05" WEST 78 FEET; THENCE 00°49'54" WEST 128.70 FEET; THENCE NORTH 00°32'11" WEST 325.48 FEET TO THE NORTH LINE OF SAID LOT 2; THENCE ALONG THE SAID NORTH LINE THEREOF NORTH 89°29'52" WEST 11.33 FEET TO THE POINT OF BEGINNING.

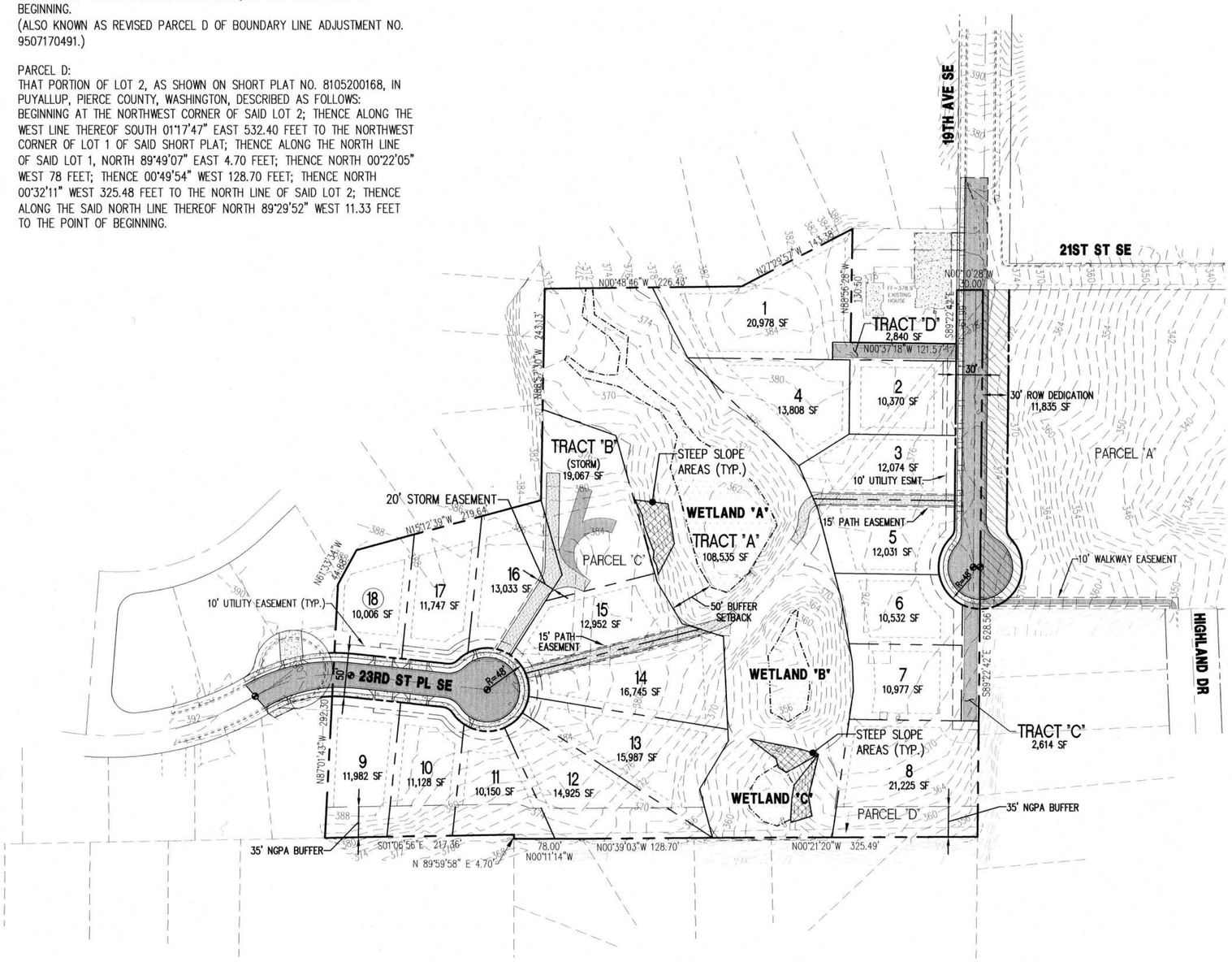
SHEET INDEX

P1 PRELIMINARY PLAT
P2 UTILITY PLAN
P3 ROAD PROFILES
P4 BOUNDARY & TOPOGRAPHIC SURVEY
LS1 LANDSCAPE PLAN

100 0 50 100 200
1 inch = 100 feet.



VICINITY MAP
NTS



SITE ADDRESS

2301 23RD AVE SE
PUYALLUP, WA 98372

PARCEL NUMBERS

0420353027, 0420357011

OWNERS

PETER Y CHEN AND BETH LIU
4709 MEMORY LANE WEST
UNIVERSITY PLACE, WA. 98466

DEVELOPER

PETER Y CHEN AND BETH LIU
4709 MEMORY LANE WEST
UNIVERSITY PLACE, WA. 98466

UTILITIES:

SEWER:	CITY OF PUYALLUP
WATER:	CITY OF PUYALLUP
CABLE:	COMCAST – CENTURY LINK
TELEPHONE:	COMCAST – CENTURY LINK
REFUSE:	MURREY'S DISPOSAL
GAS:	PUGET SOUND ENERGY
SCHOOL:	PUYALLUP SCHOOL DISTRICT #3
POWER:	PUGET SOUND ENERGY
FIRE:	CENTRAL PIERCE FIRE & RESCUE

BASIS OF BEARINGS

BASIS OF BEARINGS AND COORDINATE SYSTEM IS ASSUMED.

VERTICAL DATUM

PIERCE COUNTY BENCHMARK NO. 55–181 – BRASS MONUMENT AT THE INTERSECTION OF 23RD AVENUE SE AND 22ND ST SE (FOREST GREEN BOULEVARD). ELEVATION=413.87.

SITE STATISTICAL BREAK DOWN

TOTAL SITE AREA:	399,711 SF (9.18 ACRES)
SITE AREA PER PARCEL:	
0420353027:	395,476 SF (9.08 ACRE)
0420357011:	4,235 SF (0.10 ACRE)
EXISTING ZONING:	RS–10 (LOW URBAN DENSITY SFR)
LOTS PROPOSED:	15
MAX. DENSITY:	4 DU/AC
SETBACKS:	
MIN. LOT AREA:	10,000 SF
MIN. LOT WIDTH:	75'
MIN. LOT DEPTH:	100'
MAX. BUILDING HEIGHT:	36'
MIN. FRONT YARD SETBACK:	25'
MIN. REAR YARD SETBACK:	25'
MIN. SIDE YARD SETBACK:	SUM OF 16' BUT NOT LESS THAN 5'
MIN. SIDE STREET SETBACK:	15'
MAX. FLOOR AREA RATIO:	.45:1
MAX. LOT COVERAGE:	40%

SURVEYOR'S NOTE

THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH THE REQUIREMENTS OF THE SURVEY RECORDING ACT AT THE REQUEST OF:

_____

THIS ____ DAY OF _____, 2020.

Seth O'Hare

REGISTERED LAND SURVEYOR
CERTIFICATE NUMBER 38985

SETH D. O'HARE
STATE OF WASHINGTON
38985
REGISTERED
PROFESSIONAL LAND SURVEYOR
OCT 23 2020

SURVEY FOR:

SUNSET POINTE
4709 MEMORY LANE WEST
UNIVERSITY PLACE, WA. 98466

DATE: 10/22/20	JOB NO: 04148.7
DRAWN BY: JEH	DRAWING NAME: 04148.7–P1.DWG

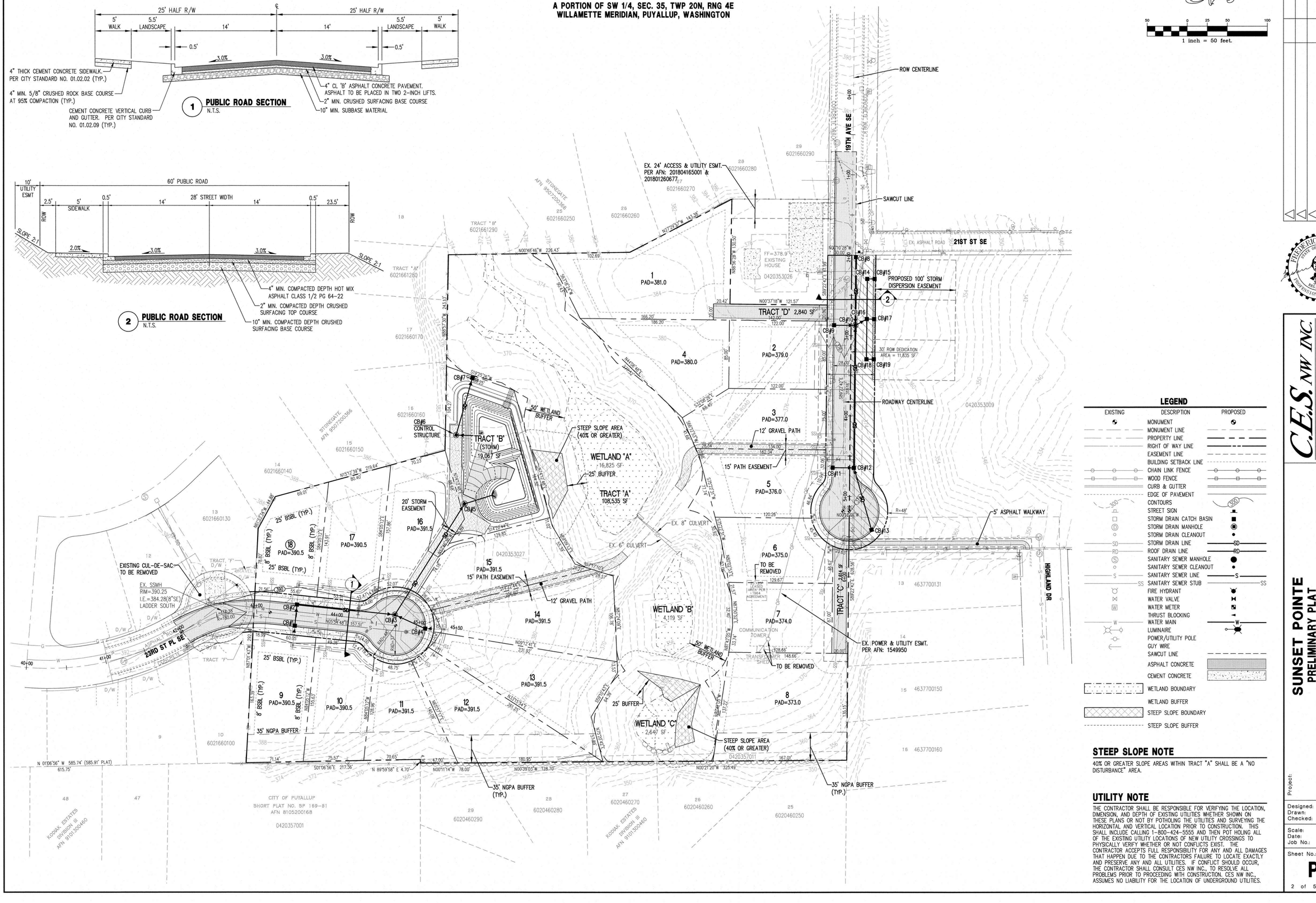
C.E.S. NW INC.
CIVIL ENGINEERING & SURVEYING
429 29th St. N.E. Suite D
PUYALLUP, WA 98372
BUS: (253) 848–4282
FAX: (253) 848–4278

SUNSET POINTE PRELIMINARY PLAT

A PORTION OF SW 1/4, SEC. 35, TWP 20N, RNG 4E
WILLAMETTE MERIDIAN, PUYALLUP, WASHINGTON

1 PUBLIC ROAD SECTION
N.T.S.

2 PUBLIC ROAD SECTION
N.T.S.



50 0 25 50 100
1 inch = 50 feet.

No.	Revision:	Int.	Date:

REGISTERED PROFESSIONAL ENGINEER
RUDOLPH B. BROWN
STATE OF WASHINGTON
33710
10-23-2020

C.E.S. NW INC
CIVIL ENGINEERING & SURVEYING
429 - 29TH ST. NE, SUITE D
PUYALLUP, WA 98372
Bus: (253) 848-4282
Fax: (253) 848-4278
ceservices@cesnwinc.com

LEGEND

EXISTING	DESCRIPTION	PROPOSED
⊕	MONUMENT	⊕
	MONUMENT LINE	
	PROPERTY LINE	
	RIGHT OF WAY LINE	
	EASEMENT LINE	
	BUILDING SETBACK LINE	
-o-o-o-	CHAIN LINK FENCE	-o-o-o-
-□-□-□-	WOOD FENCE	-□-□-□-
	CURB & GUTTER	
	EDGE OF PAVEMENT	
300	CONTOURS	300
	STREET SIGN	
□	STORM DRAIN CATCH BASIN	■
Ⓓ	STORM DRAIN MANHOLE	◉
○	STORM DRAIN CLEANOUT	•
SD	STORM DRAIN LINE	SD
RD	ROOF DRAIN LINE	RD
Ⓢ	SANITARY SEWER MANHOLE	●
○	SANITARY SEWER CLEANOUT	•
S	SANITARY SEWER LINE	S
SS	SANITARY SEWER STUB	SS
	FIRE HYDRANT	
	WATER VALVE	
W	WATER METER	
	THRUST BLOCKING	
W	WATER MAIN	W
	LUMINAIRE	
	POWER/UTILITY POLE	
	GUY WIRE	
	SAWCUT LINE	
	ASPHALT CONCRETE	
	CEMENT CONCRETE	
	WETLAND BOUNDARY	
	WETLAND BUFFER	
	STEEP SLOPE BOUNDARY	
	STEEP SLOPE BUFFER	

STEEP SLOPE NOTE

40% OR GREATER SLOPE AREAS WITHIN TRACT "A" SHALL BE A "NO DISTURBANCE" AREA.

UTILITY NOTE

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POTHOLING THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING 1-800-424-5555 AND THEN POT HOLING ALL OF THE EXISTING UTILITY LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. THE CONTRACTOR ACCEPTS FULL RESPONSIBILITY FOR ANY AND ALL DAMAGES THAT HAPPEN DUE TO THE CONTRACTORS FAILURE TO LOCATE EXACTLY AND PRESERVE ANY AND ALL UTILITIES. IF CONFLICT SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT CES NW INC., TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION. CES NW INC., ASSUMES NO LIABILITY FOR THE LOCATION OF UNDERGROUND UTILITIES.

Project:
SUNSET POINTE
PRELIMINARY PLAT
UTILITY PLAN

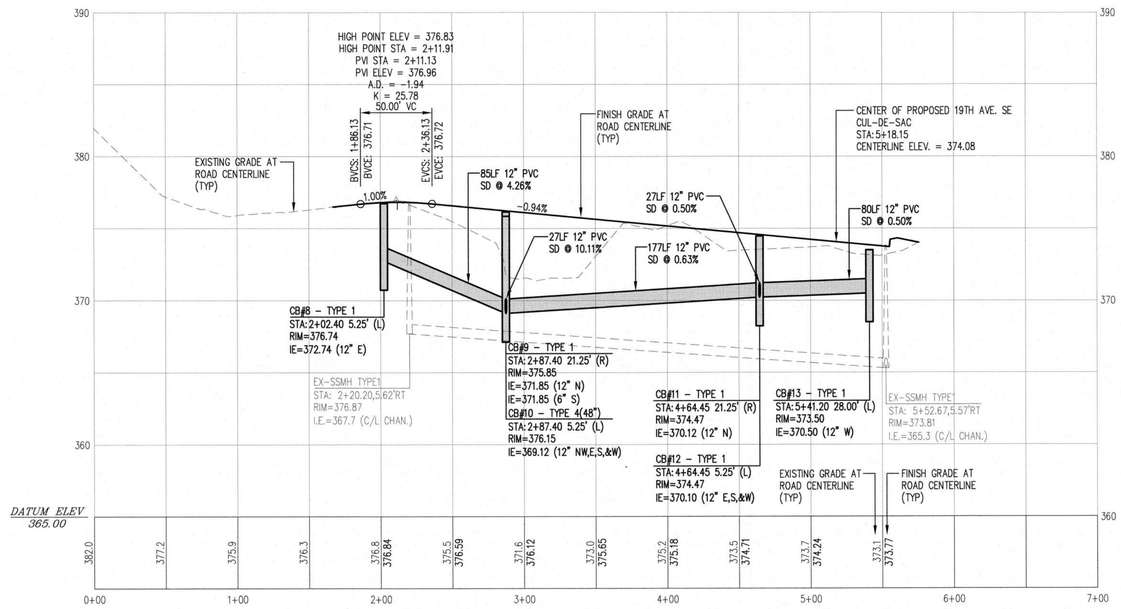
Client:
PETER Y CHEN AND BETH LIU
4709 MEMORY LANE WEST, UNIVERSITY PLACE, WA. 98466

Designed:	FBB
Drawn:	JEH
Checked:	CAD
Scale:	1"=50'
Date:	10.22.20
Job No.:	04148.7

Sheet No.:
P2
2 of 5 Sheets

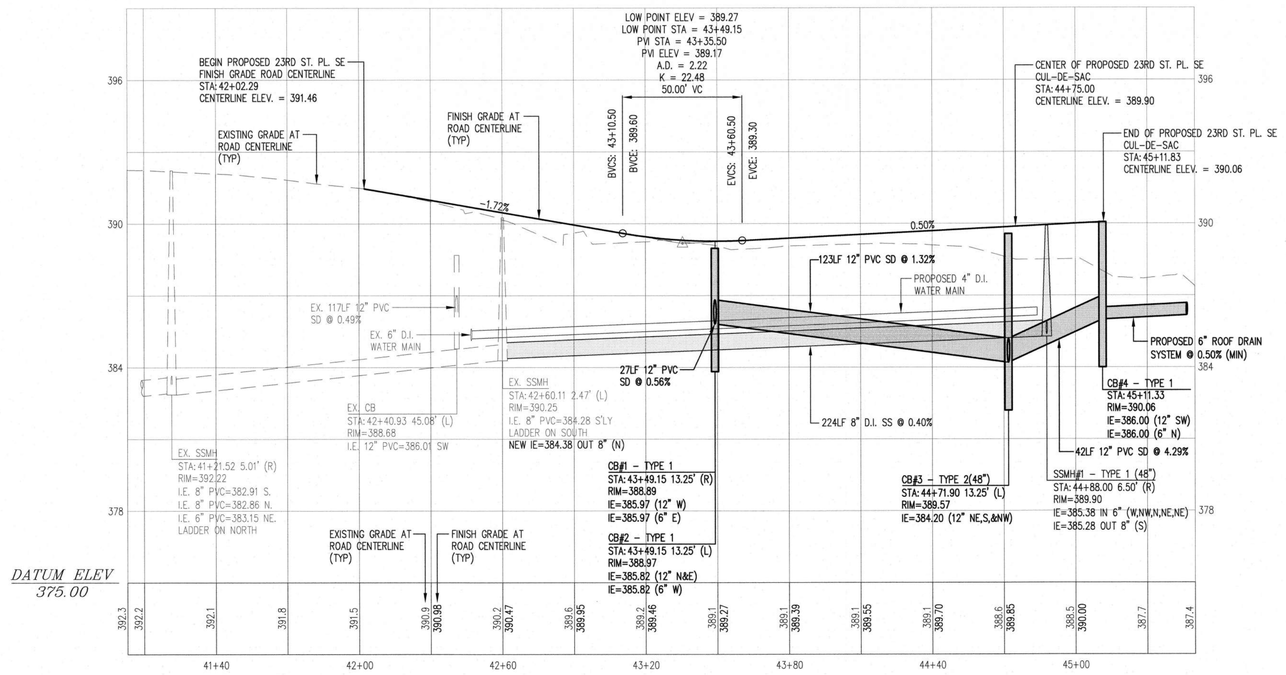
SUNSET POINTE PRELIMINARY PLAT

A PORTION OF SW 1/4, SEC. 35, TWP 20N, RNG 4E
WILLAMETTE MERIDIAN, PUYALLUP, WASHINGTON



19TH AVE SE

HORIZONTAL: 1"=50'
VERTICAL: 1"=5'



23RD ST PL SE

HORIZONTAL: 1"=30'
VERTICAL: 1"=3'

No.	Revision:	Int.	Date:

FREDERICK B. BROWN
STATE OF WASHINGTON
13710
REGISTERED
PROFESSIONAL ENGINEER
10-23-20

C.E.S. NW INC.
CIVIL ENGINEERING & SURVEYING
429 - 29TH ST. NE, SUITE D
PUYALLUP, WA 98372
Phone: (253) 848-4282
Fax: (253) 848-4278
cesenvnw@cesnwinc.com

Project: SUNSET POINTE
PRELIMINARY PLAT
ROAD PROFILES

Client: PETER Y CHEN AND BETH LIU
4709 MEMORY LANE WEST, UNIVERSITY PLACE, WA. 98466

Designed:	FBB
Drawn:	JEH
Checked:	CAD
Scale:	AS SHOWN
Date:	10.22.20
Job No.:	04148.7

Sheet No.:
P3
3 of 5 Sheets

SUNSET POINTE

A PORTION OF SW 1/4, SEC. 35, TWP 20N, RNG 4E
WILLAMETTE MERIDIAN, PUYALLUP, WASHINGTON

SURVEYOR NOTES

1. BASIS OF BEARINGS AND COORDINATE SYSTEM ARE ASSUMED.

2. METHOD AND DATE OF MONUMENT LOCATION: FIELD TRAVERSE IN SEPTEMBER AND OCTOBER, 2004.

3. EQUIPMENT USED: TRIMBLE 5600

4. THIS SURVEY COMPLIES WITH THE STANDARDS AND GUIDELINES OF THE "SURVEY RECORDING ACT" CHAPTER 58.09 RCW AND OF THE WAC 332-130.

5. THE SUBDIVISION GUARANTEE PROVIDED WAS PREPARED BY TICOR TITLE COMPANY, GUARANTEE NO. 3113489, DATED OCTOBER 8, 2007.

6. THIS SURVEY DOES NOT PURPORT TO SHOW EASEMENTS OF RECORD, EXCEPT AS SHOWN.

7. VERTICAL DATUM: PIERCE COUNTY BENCHMARK NO. 55-181 – BRASS MONUMENT AT THE INTERSECTION OF 23RD AVENUE SE AND 22ND STREET SE (FOREST GREEN BOULEVARD). ELEVATION=413.87.

8. NO STRUCTURES WERE FOUND TO SUBSTANTIATE THAT AN EASEMENT UNDER AFN 1071540 HAS ANY AFFECT ON ANY PARCELS CONTAINED IN THE TITLE REPORT.

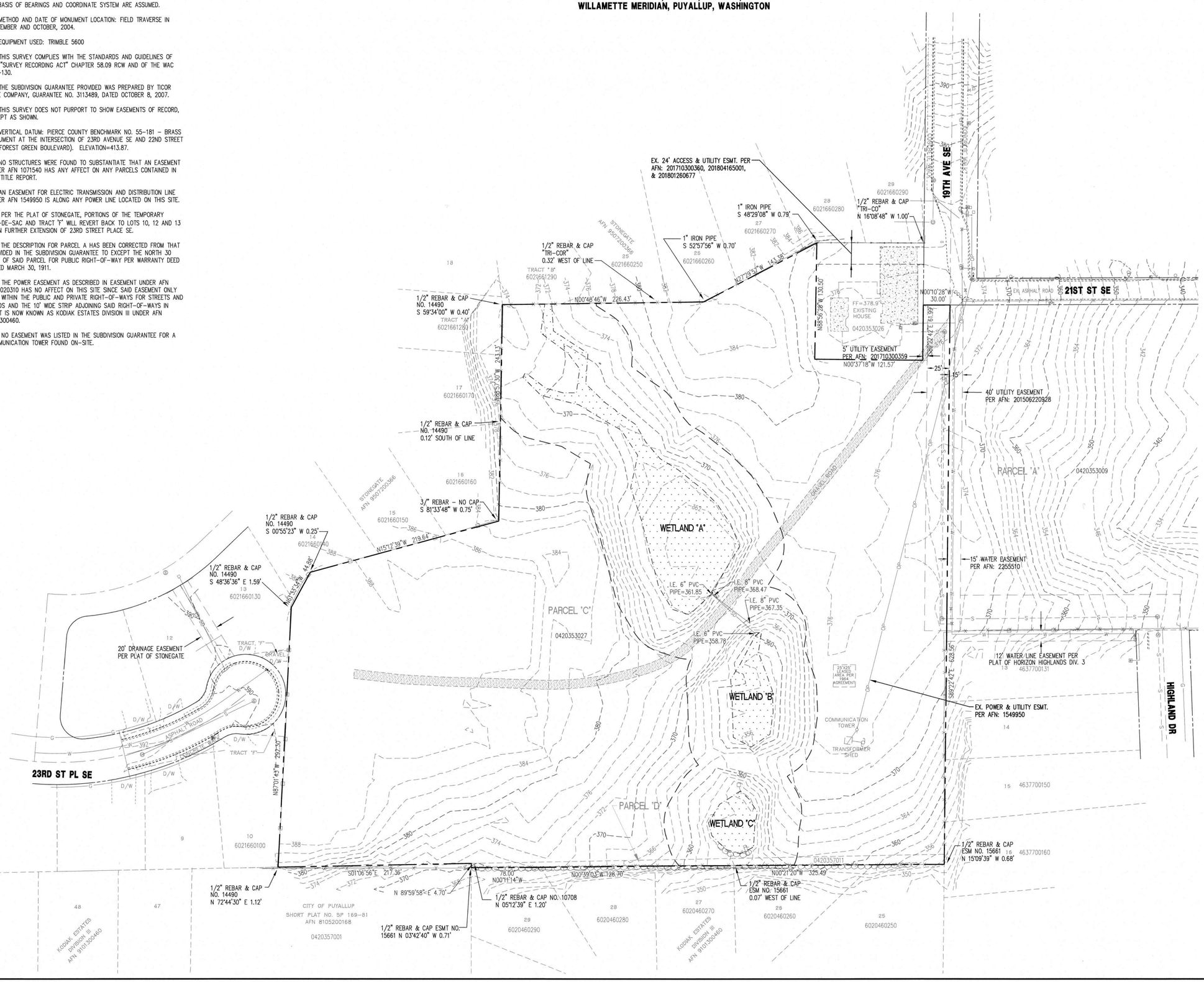
9. AN EASEMENT FOR ELECTRIC TRANSMISSION AND DISTRIBUTION LINE UNDER AFN 1549950 IS ALONG ANY POWER LINE LOCATED ON THIS SITE.

10. PER THE PLAT OF STONEGATE, PORTIONS OF THE TEMPORARY CUL-DE-SAC AND TRACT 'F' WILL REVERT BACK TO LOTS 10, 12 AND 13 UPON FURTHER EXTENSION OF 23RD STREET PLACE SE.

11. THE DESCRIPTION FOR PARCEL A HAS BEEN CORRECTED FROM THAT PROVIDED IN THE SUBDIVISION GUARANTEE TO EXCEPT THE NORTH 30 FEET OF SAID PARCEL FOR PUBLIC RIGHT-OF-WAY PER WARRANTY DEED DATED MARCH 30, 1911.

12. THE POWER EASEMENT AS DESCRIBED IN EASEMENT UNDER AFN 9010020310 HAS NO AFFECT ON THIS SITE SINCE SAID EASEMENT ONLY LIES WITHIN THE PUBLIC AND PRIVATE RIGHT-OF-WAYS FOR STREETS AND ROADS AND THE 10' WIDE STRIP ADJOINING SAID RIGHT-OF-WAYS IN WHAT IS NOW KNOWN AS KODIAK ESTATES DIVISION III UNDER AFN 9101300460.

13. NO EASEMENT WAS LISTED IN THE SUBDIVISION GUARANTEE FOR A COMMUNICATION TOWER FOUND ON-SITE.



1 inch = 50 feet.

LEGEND

- MONUMENT IN CASE AS NOTED
- FOUND REBAR AS NOTED
- CATCH BASIN
- GUY ANCHOR WIRE
- PJB — POWER JUNCTION BOX
- POWER METER
- SANITARY SEWER CLEAN OUT
- SEPTIC TANK LID
- UTILITY POLE
- CONIFER TREE
- DECIDUOUS TREE
- WIRE FENCE
- ELECTRIC FENCE
- WOOD FENCE
- VINYL FENCE
- DITCH
- STORM DRAIN LINE
- OVERHEAD POWER LINE

No.	Revision:	Int.	Date:

SETH D. O'HARE — STATE OF WASHINGTON — REGISTERED PROFESSIONAL LAND SURVEYOR
OCT 23 2020

C.E.S. NW INC.
CIVIL ENGINEERING & SURVEYING
429 – 29TH ST. NE, SUITE D
PUYALLUP, WA 98372
Bus: (253) 848-4282
Fax: (253) 848-4278
cesnwinc@cesnwinc.com

SUNSET POINTE
BOUNDARY & TOPOGRAPHIC SURVEY

Project:

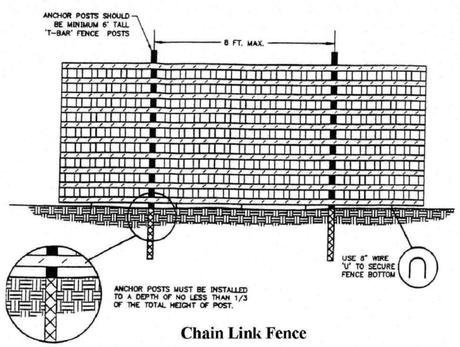
Client: PETER Y CHEN AND BETH LIU
4709 MEMORY LANE WEST, UNIVERSITY PLACE, WA. 98466

Designed:	FBB
Drawn:	JEH
Checked:	CAD
Scale:	1"=50'
Date:	10.22.20
Job No.:	04148.7

Sheet No.:
P4
4 of 5 Sheets

SUNSET POINTE PRELIMINARY PLAT

A PORTION OF SW 1/4, SEC. 35, TWP 20N, RNG 4E
WILLAMETTE MERIDIAN, PUYALLUP, WASHINGTON

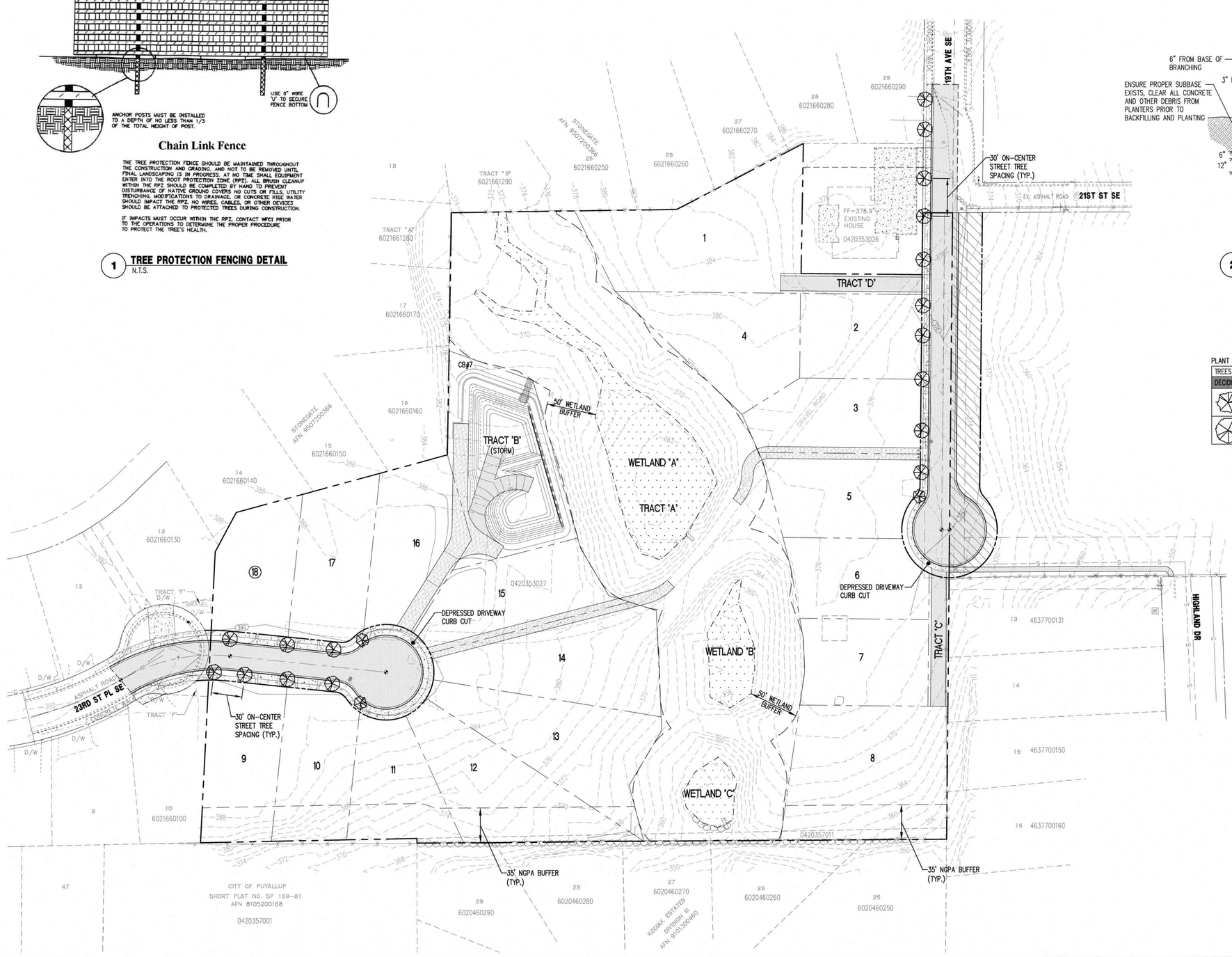


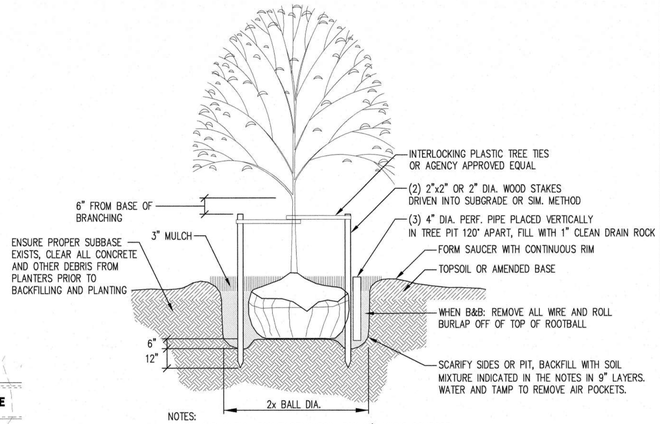
Chain Link Fence

THE TREE PROTECTION FENCE SHOULD BE MAINTAINED THROUGHOUT THE CONSTRUCTION AND GRADING, AND NOT TO BE REMOVED UNTIL FINAL LANDSCAPING IS IN PROGRESS. AT NO TIME SHALL EQUIPMENT ENTER INTO THE ROOT PROTECTION ZONE (RPZ). ALL BRUSH CLEANUP WITHIN THE RPZ SHOULD BE COMPLETED BY HAND TO PREVENT DISTURBANCE OF NATIVE GROUND COVERS. NO CUTS OR FILLS, UTILITY TRENCHING, MODIFICATIONS TO DRAINAGE, OR CONCRETE RISE WATER SHOULD IMPACT THE RPZ. NO WIRES, CABLES, OR OTHER DEVICES SHOULD BE ATTACHED TO PROTECTED TREES DURING CONSTRUCTION.

IF IMPACTS MUST OCCUR WITHIN THE RPZ, CONTACT WFCI PRIOR TO THE OPERATIONS TO DETERMINE THE PROPER PROCEDURE TO PROTECT THE TREE'S HEALTH.

1 TREE PROTECTION FENCING DETAIL
N.T.S.





NOTES:
PLANTING BACKFILL: 50% EXISTING SOIL, 50% 1/4 MINUS COMPOST, MIXED THOROUGHLY.
IF B&B AND BURLAP IS GREEN IN COLOR REMOVE COMPLETELY BEFORE INSTALLING PLANT.

2 STREET TREE PLANTING & STAKING DETAIL
N.T.S.

PLANT SCHEDULE

TREES	QUANTITY	BOTANICAL/COMMON NAMES	SIZE
DECIDUOUS			
	3	ACER RUBRUM 'RED SUNSET' / RED MAPLE	2" CAL. B & B
	16	MALUS FUSCA (PYRUS FUSCA) / PACIFIC CRABAPPLE	2" CAL. B & B

19 TREES TOTAL

1 inch = 50 feet.

No.	Revision:	Int.	Date:

C.E.S. NW INC.
CIVIL ENGINEERING & SURVEYING
429 - 29TH ST. NE, SUITE D
PUYALLUP, WA 98372
Bus: (253) 848-4282
Fax: (253) 848-4278
cesnwinc@comcast.com

Project: **SUNSET POINTE**
PRELIMINARY PLAT
LANDSCAPE PLAN

Client: **PETER Y CHEN AND BETH LIU**
4709 MEMORY LANE WEST, UNIVERSITY PLACE, WA. 98466

Designed: FBB
Drawn: JEH
Checked: CAD

Scale: 1"=50'
Date: 10.22.20
Job No.: 04148.7

Sheet No.:
LS1
5 of 5 Sheets

Map Scale: 1:3,680 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 50 100 200 300

Feet: 0 150 300 600 900

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 10N WGS84

MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Map Unit Polygons

Soil Map Unit Lines

Soil Map Unit Points

Special Point Features

Blowout

Borrow Pit

Clay Spot

Closed Depression

Gravel Pit

Gravelly Spot

Landfill

Lava Flow

Marsh or swamp

Mine or Quarry

Miscellaneous Water

Perennial Water

Rock Outcrop

Saline Spot

Sandy Spot

Severely Eroded Spot

Sinkhole

Slide or Slip

Sodic Spot

Spoil Area

Stony Spot

Very Stony Spot

Wet Spot

Other

Special Line Features

Water Features

Streams and Canals

Transportation

Rails

Interstate Highways

US Routes

Major Roads

Local Roads

Background

Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Pierce County Area, Washington
Survey Area Data: Version 12, Sep 7, 2017

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jul 8, 2014—Jul 15, 2014

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
13B	Everett very gravelly sandy loam, 0 to 8 percent slopes	5.1	25.4%
13C	Everett very gravelly sandy loam, 8 to 15 percent slopes	2.1	10.3%
18C	Indianola loamy sand, 5 to 15 percent slopes	1.0	5.0%
20B	Kitsap silt loam, 2 to 8 percent slopes	3.6	17.8%
20C	Kitsap silt loam, 8 to 15 percent slopes	5.5	27.0%
20D	Kitsap silt loam, 15 to 30 percent slopes	3.0	14.6%
Totals for Area of Interest		**20.2**	**100.0%**

Pierce County Area, Washington

13B—Everett very gravelly sandy loam, 0 to 8 percent slopes

Map Unit Setting

National map unit symbol: 2t629
Elevation: 30 to 900 feet
Mean annual precipitation: 35 to 91 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 180 to 240 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Everett and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Everett

Setting

Landform: Moraines, eskers, kames
Landform position (two-dimensional): Shoulder, summit
Landform position (three-dimensional): Interfluve, crest
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Sandy and gravelly glacial outwash

Typical profile

Oi - 0 to 1 inches: slightly decomposed plant material
A - 1 to 3 inches: very gravelly sandy loam
Bw - 3 to 24 inches: very gravelly sandy loam
C1 - 24 to 35 inches: very gravelly loamy sand
C2 - 35 to 60 inches: extremely cobbly coarse sand

Properties and qualities

Slope: 0 to 8 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Somewhat excessively drained
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Low (about 3.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4s
Hydrologic Soil Group: A

Other vegetative classification: Droughty Soils (G002XN402WA), Droughty Soils (G002XF403WA), Droughty Soils (G002XS401WA)
Hydric soil rating: No

Minor Components

Alderwood
Percent of map unit: 10 percent
Landform: Hills, ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Crest, talf
Down-slope shape: Convex, linear
Across-slope shape: Convex
Hydric soil rating: No

Indianola
Percent of map unit: 10 percent
Landform: Eskers, kames, terraces
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Data Source Information

Soil Survey Area: Pierce County Area, Washington
Survey Area Data: Version 12, Sep 7, 2017

Pierce County Area, Washington

13C—Everett very gravelly sandy loam, 8 to 15 percent slopes

Map Unit Setting

National map unit symbol: 2t62b
Elevation: 30 to 900 feet
Mean annual precipitation: 35 to 91 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 180 to 240 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Everett and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Everett

Setting

Landform: Eskers, kames, moraines
Landform position (two-dimensional): Shoulder, footslope
Landform position (three-dimensional): Crest, base slope
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Sandy and gravelly glacial outwash

Typical profile

Oi - 0 to 1 inches: slightly decomposed plant material
A - 1 to 3 inches: very gravelly sandy loam
Bw - 3 to 24 inches: very gravelly sandy loam
C1 - 24 to 35 inches: very gravelly loamy sand
C2 - 35 to 60 inches: extremely cobbly coarse sand

Properties and qualities

Slope: 8 to 15 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Somewhat excessively drained
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Low (about 3.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4s
Hydrologic Soil Group: A

Other vegetative classification: Droughty Soils (G002XN402WA), Droughty Soils (G002XS401WA), Droughty Soils (G002XF403WA)
Hydric soil rating: No

Minor Components

Alderwood
Percent of map unit: 10 percent
Landform: Ridges, hills
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Nose slope, talf
Down-slope shape: Linear, convex
Across-slope shape: Convex
Hydric soil rating: No

Indianola
Percent of map unit: 10 percent
Landform: Eskers, kames, terraces
Landform position (three-dimensional): Riser
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Data Source Information

Soil Survey Area: Pierce County Area, Washington
Survey Area Data: Version 12, Sep 7, 2017

Pierce County Area, Washington

18C—Indianola loamy sand, 5 to 15 percent slopes

Map Unit Setting

National map unit symbol: 2t635
Elevation: 0 to 980 feet
Mean annual precipitation: 30 to 81 inches
Mean annual air temperature: 48 to 50 degrees F
Frost-free period: 170 to 210 days
Farmland classification: Prime farmland if irrigated

Map Unit Composition

Indianola and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Indianola

Setting

Landform: Eskers, kames, terraces
Landform position (three-dimensional): Riser
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy glacial outwash

Typical profile

Oi - 0 to 1 inches: slightly decomposed plant material
A - 1 to 6 inches: loamy sand
Bw1 - 6 to 17 inches: loamy sand
Bw2 - 17 to 27 inches: sand
BC - 27 to 37 inches: sand
C - 37 to 60 inches: sand

Properties and qualities

Slope: 5 to 15 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Somewhat excessively drained
Capacity of the most limiting layer to transmit water (Ksat): High to very high (5.95 to 99.90 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Low (about 3.9 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 4s
Hydrologic Soil Group: A
Other vegetative classification: Droughty Soils (G002XN402WA), Droughty Soils (G002XS401WA)

Hydric soil rating: No

Minor Components

Alderwood

Percent of map unit: 8 percent
Landform: Ridges, hills
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Nose slope, talf
Down-slope shape: Linear, convex
Across-slope shape: Convex
Hydric soil rating: No

Everett

Percent of map unit: 5 percent
Landform: Eskers, kames, moraines
Landform position (two-dimensional): Shoulder, footslope
Landform position (three-dimensional): Crest, base slope
Down-slope shape: Convex
Across-slope shape: Convex
Hydric soil rating: No

Norma

Percent of map unit: 2 percent
Landform: Drainageways, depressions
Landform position (three-dimensional): Dip
Down-slope shape: Linear, concave
Across-slope shape: Concave
Hydric soil rating: Yes

Data Source Information

Soil Survey Area: Pierce County Area, Washington
Survey Area Data: Version 12, Sep 7, 2017

Pierce County Area, Washington

20B—Kitsap silt loam, 2 to 8 percent slopes

Map Unit Setting

National map unit symbol: 2hpt
Elevation: 0 to 590 feet
Mean annual precipitation: 37 inches
Mean annual air temperature: 50 degrees F
Frost-free period: 160 to 200 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Kitsap and similar soils: 85 percent
Minor components: 3 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kitsap

Setting

Landform: Terraces
Parent material: Glaciolacustrine deposits

Typical profile

H1 - 0 to 10 inches: ashy silt loam
H2 - 10 to 32 inches: silty clay loam
H3 - 32 to 60 inches: stratified silt to silty clay loam

Properties and qualities

Slope: 2 to 8 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Moderately well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: About 16 to 23 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: High (about 11.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3w
Hydrologic Soil Group: C/D
Other vegetative classification: Soils with Few Limitations (G002XS501WA)
Hydric soil rating: No

Minor Components

Bellingham

Percent of map unit: 3 percent
Landform: Depressions

Hydric soil rating: Yes

Data Source Information

Soil Survey Area: Pierce County Area, Washington
Survey Area Data: Version 12, Sep 7, 2017

Pierce County Area, Washington

20C—Kitsap silt loam, 8 to 15 percent slopes

Map Unit Setting

National map unit symbol: 2hpv
Elevation: 0 to 590 feet
Mean annual precipitation: 37 inches
Mean annual air temperature: 50 degrees F
Frost-free period: 160 to 200 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Kitsap and similar soils: 85 percent
Minor components: 2 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kitsap

Setting

Landform: Terraces
Parent material: Glaciolacustrine deposits

Typical profile

H1 - 0 to 10 inches: ashy silt loam
H2 - 10 to 32 inches: silty clay loam
H3 - 32 to 60 inches: stratified silt to silty clay loam

Properties and qualities

Slope: 8 to 15 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Moderately well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: About 16 to 23 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: High (about 11.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: C/D
Other vegetative classification: Soils with Moderate Limitations (G002XS601WA)
Hydric soil rating: No

Minor Components

Bellingham

Percent of map unit: 2 percent
Landform: Depressions

Hydric soil rating: Yes

Data Source Information

Soil Survey Area: Pierce County Area, Washington
Survey Area Data: Version 12, Sep 7, 2017

Pierce County Area, Washington

20D—Kitsap silt loam, 15 to 30 percent slopes

Map Unit Setting

National map unit symbol: 2hpw
Elevation: 0 to 660 feet
Mean annual precipitation: 37 inches
Mean annual air temperature: 50 degrees F
Frost-free period: 160 to 200 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Kitsap and similar soils: 85 percent
Minor components: 2 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kitsap

Setting

Landform: Terraces
Parent material: Glaciolacustrine deposits

Typical profile

H1 - 0 to 10 inches: ashy silt loam
H2 - 10 to 32 inches: silty clay loam
H3 - 32 to 60 inches: stratified silt to silty clay loam

Properties and qualities

Slope: 15 to 30 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Moderately well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: About 16 to 23 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: High (about 11.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: C/D
Other vegetative classification: Sloping to Steep Soils (G002XN702WA)
Hydric soil rating: No

Minor Components

Bow variant

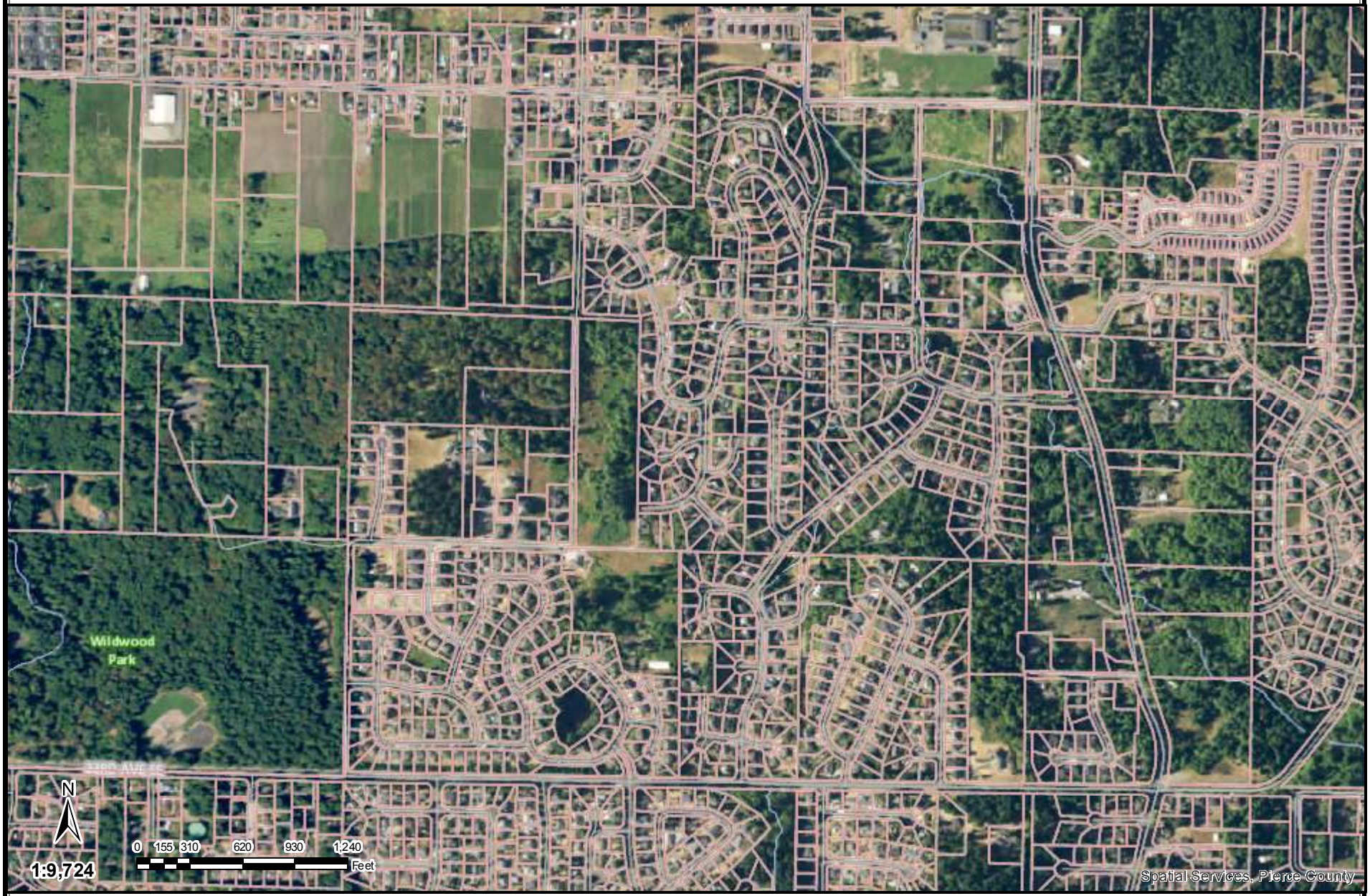
Percent of map unit: 2 percent
Landform: Depressions

Hydric soil rating: Yes

Data Source Information

Soil Survey Area: Pierce County Area, Washington
Survey Area Data: Version 12, Sep 7, 2017

Aerial



Disclaimer: Map features are approximate and have not been surveyed. Additional features not yet mapped may be present.
Pierce County assumes no liability for variations ascertained by formal survey. 3/5/2018

LEGAL DESCRIPTION OF THE PARCELS FOR
SUNSET POINTE
PRELIMINARY PLAT/SEPA APPLICATION.

Parcel 0420353009

THE WEST HALF OF THE WEST HALF OF THE NORTHEAST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 35, TOWNSHIP 20 NORTH, RANGE 4 EAST, W.M., CONTAINING 10 ACRES, MORE OR LESS, LESS 30 FEET RESERVED ACROSS THE NORTH END OF SAID TRACT FOR STREET PURPOSES;
ALSO, THE WEST 33 FEET OF THE EAST HALF OF THE WEST HALF OF THE NORTHEAST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 35, TOWNSHIP 20 NORTH, RANGE 4 EAST OF THE WILLAMETTE MERIDIAN, IN PIERCE COUNTY, WASHINGTON.

Parcel 0420353027

THAT PORTION OF THE SOUTHWEST QUARTER OF SECTION 35, TOWNSHIP 20 NORTH, RANGE 4 EAST OF THE WILLAMETTE MERIDIAN, MORE PARTICULARLY DESCRIBED AS FOLLOWS:
COMMENCING AT THE SOUTHWEST CORNER OF THE SOUTHWEST QUARTER OF SAID SECTION 35;
THENCE EAST ALONG THE SOUTH LINE OF SAID SOUTHWEST QUARTER A DISTANCE OF 1974.60 FEET;
THENCE NORTH 01°06'54" WEST 615.92 FEET TO THE TRUE POINT OF BEGINNING;
THENCE NORTH 87°01'41" WEST 292.30 FEET;
THENCE NORTH 61°33'32" WEST 44.88 FEET;
THENCE NORTH 15°12'37" WEST 219.64 FEET;
THENCE NORTH 88°57'28" WEST 243.13 FEET;
THENCE NORTH 00°48'44" WEST 226.43 FEET;
THENCE NORTH 27°95'55" WEST 143.38 FEET;
THENCE SOUTH 88°56'26" EAST 145.92 FEET;
THENCE NORTH 28°41'48" EAST 80.82 FEET;
THENCE NORTH 51°21'11" WEST 132.18 FEET TO A POINT ON THE NORTH LINE OF THE SOUTH HALF OF THE SOUTHWEST QUARTER OF SAID SECTION 35;
THENCE SOUTH 89°22'06" EAST ALONG SAID LINE A DISTANCE OF 605.46 FEET;
THENCE SOUTH 01°06'54" EAST 750.69 FEET TO THE TRUE POINT OF BEGINNING, IN PIERCE COUNTY, WASHINGTON.
(ALSO KNOWN AS REVISED PARCEL "D" OF CITY OF PUYALLUP BOUNDARY LINE ADJUSTMENT NO. 95-84-008 RECORDED JULY 17, 1995 UNDER RECORDING NO. 9507170491)

Parcel 0420357011

THAT PORTION OF THE SOUTH HALF OF THE SOUTHWEST QUARTER OF SECTION 35, TOWNSHIP 20 NORTH, RANGE 4 EAST OF THE WILLAMETTE MERIDIAN, MORE PARTICULARLY DESCRIBED AS FOLLOWS:
BEGINNING AT THE NORTHWEST CORNER OF LOT 2 OF PIERCE COUNTY SHORT PLAT NO. 8105200168, BEING CITY OF PUYALLUP SHORT PLAT NO. SP169-81, ACCORDING TO PLAT RECORDED MAY 20, 1981;
THENCE ALONG THE WEST LINE OF SAID LOT 2, SOUTH 01°17'47" EAST, 532.40 FEET TO THE NORTHWEST CORNER OF LOT 1 OF SAID SHORT PLAT;
THENCE ALONG THE NORTH LINE OF SAID LOT 1, NORTH 89°49'07" EAST 4.70 FEET;
THENCE NORTH 00°22'05" WEST, 78.00 FEET;
THENCE NORTH 00°49'54" WEST, 128.70 FEET;
THENCE NORTH 00°32'11" WEST, 325.48 FEET TO THE NORTH LINE OF SAID LOT 2;
THENCE ALONG THE SAID NORTH LINE, NORTH 89°29'52" WEST, 11.33 FEET TO THE POINT OF BEGINNING, IN PIERCE COUNTY, WASHINGTON.

WASHINGTON DEPARTMENT OF FISH AND WILDLIFE
PRIORITY HABITATS AND SPECIES REPORT

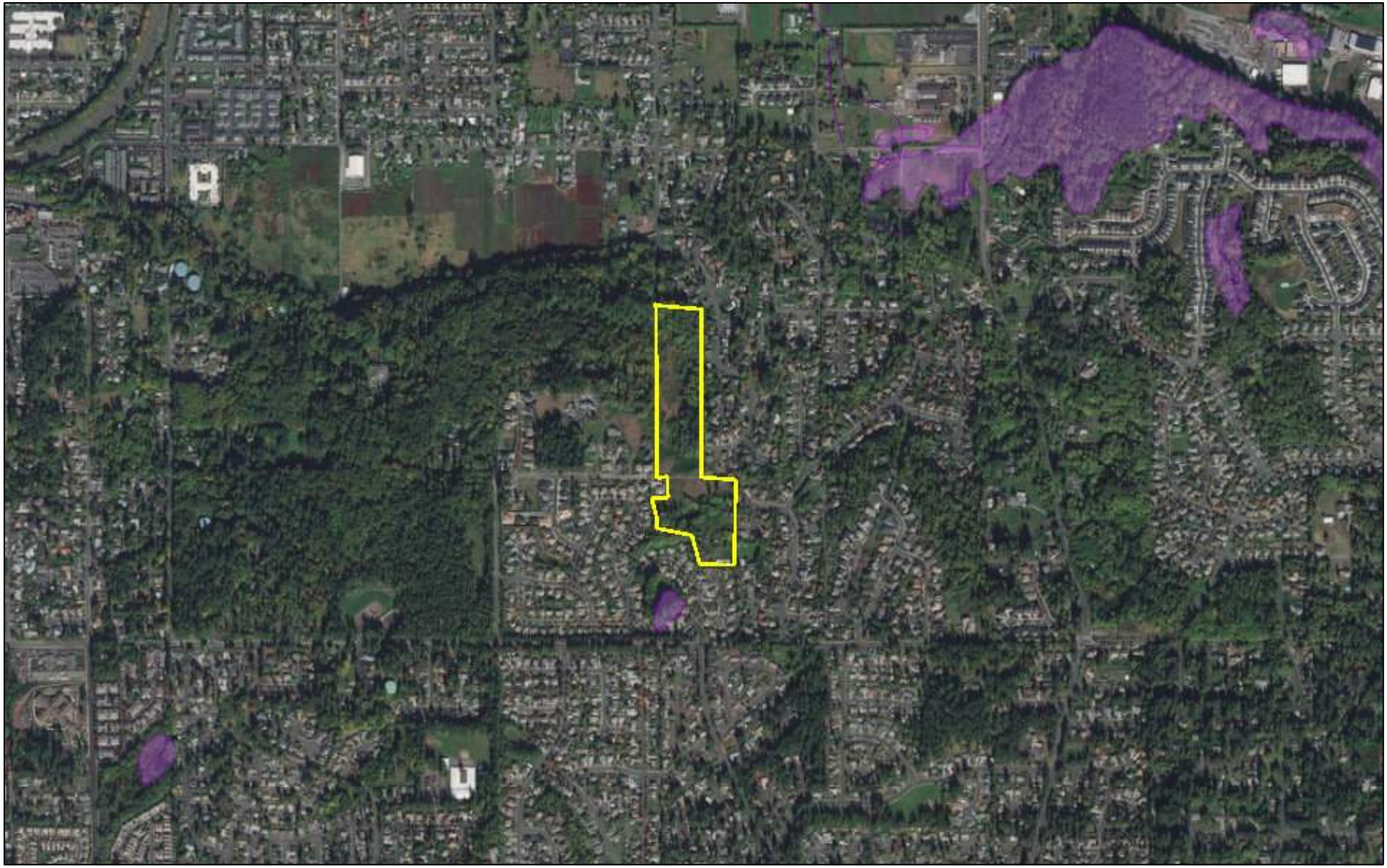
SOURCE DATASET: PHSPlusPublic
REPORT DATE: 03/12/2018 11.10

Query ID: P180312111032

Common Name	Site Name	Priority Area	Accuracy	Federal Status	Sensitive Data	Source Entity
Scientific Name	Source Dataset	Occurrence Type		State Status	Resolution	Geometry Type
	Source Record	More Information (URL)		PHS Listing Status		
Notes	Source Date	Mgmt Recommendations				

DISCLAIMER. This report includes information that the Washington Department of Fish and Wildlife (WDFW) maintains in a central computer database. It is not an attempt to provide you with an official agency response as to the impacts of your project on fish and wildlife. This information only documents the location of fish and wildlife resources to the best of our knowledge. It is not a complete inventory and it is important to note that fish and wildlife resources may occur in areas not currently known to WDFW biologists, or in areas for which comprehensive surveys have not been conducted. Site specific surveys are frequently necesssary to rule out the presence of priority resources. Locations of fish and wildlife resources are subject to vraition caused by disturbance, changes in season and weather, and other factors. WDFW does not recommend using reports more than six months old.

WDFW Test Map



March 12, 2018

PHS Report Clip Area

PT

LN

POLY

AS MAPPED

SECTION

QTR-TWP

TOWNSHIP

1:19,842

0 0.15 0.3 0.6 mi

0 0.275 0.55 1.1 km

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Distribution

ES-5559.06

EMAIL ONLY

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