

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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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.

Location and Legal Description				
SUBJECT PROPERTY NAME	Sunset Pointe			
SUBJECT PROPERTY ADDRESS	2301 – 23 rd Street Southeast, Puyallup, Washington 98372			
LOCATION	North of the northern terminus of 23 rd 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			

Table 1
Location and Legal Description

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 Unaversity	Subject
FEDERAL		Total Number of	Number of Upgradient or Adjacent Facilities	Subject Property
		Facilities	Listed*	Listed
		Listed	LISIEU	Listed
NPL (National Priority List)	Site & 1.0 Mile	0	0	No
Delisted NPL	Site & 0.5 Mile	0	0	No
CERCLIS (Comprehensive	Site & 0.5 Mile	0	0	No
Environmental Response,		•	0	110
Compensation, and Liability Act				
Information System)				
CERCLIS NFRAP (No Further	Site & 0.5 Mile	0	0	No
Remedial Action Planned)				
RCRA (Resource Conservation and	Site & 1.0 Mile	0	0	No
Recovery Act) CORRACTS (Corrective				
Actions Sites)				
RCRA non-CORRACTS TSD (Transfer	Site & 0.5 Mile	0	0	No
Storage and Disposal Sites)				
RCRA Generators	Site & 0.25 Mile	0	0	No
US INST/ENG Controls (Institutional	Site & Adjoining	0	0	No
Control/Engineering Control Registries)	Properties		0	NL
ERNS (Emergency Response	Site	0	0	No
Notification System Listings)				
LOCAL, STATE, AND TRIBAL		0	0	Na
Equivalent NPL – HSL (Hazardous Sites List)	Site & 1.0 Mile	0	0	No
CSCSL (Department of Ecology's	Site & 1.0 Mile	1	0	Yes
Confirmed & Suspected Contaminated		1	0	165
Sites List)				
CSCSL NFA (Department of Ecology's	Site & 0.5 Mile	0	0	No
Confirmed & Suspected Contaminated		-	-	
Sites List, with No Further Action				
determination)				
SWF/LF (Solid Waste Facilities/Landfill	Site & 0.5 Mile	0	0	No
Sites Database)				
WA SWCRY (Recycling Facility	Site & 0.5 Mile	0	0	No
Database)		-	-	
LUST (Leaking Underground Storage	Site & 0.5 Mile	0	0	No
Tank Sites)	04.000517		0	NL
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	Site & 0.5 Mile	0	0	No
Listings)				
WA ICR (Washington State	Site & 0.5 Mile	0	0	No
Independent Cleanup Reports)				
PTAP (Petroleum Technical Assistance	Site & 0.5 Mile	0	0	No
Program)			-	
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:

				Vectorus Sea		
	AGENCY	DATE		CONTACT NAME	PHONE	TYPE OF INFORMATION
City	City of Puyallup	December 2022	29,	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 2022	29,	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 2022	29,	Schellie Schlesser	(360) 407-0527	UST and AST records.
County	Tacoma – Pierce County Health Department.	December 2022	29,	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 2022	29,	Service Desk	(253) 798-7427	Recorded Liens and Deeds.
County	Pierce County Assessor's Office.	December 2022	29,	Service Desk	(253) 798-6111	Building and Parcel Map Information, and Recorded Liens.

Table 3Agency Records Search

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.				

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.

Aerial Photographs Reviewed					
Year	Scale	Туре	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		

Table 5 Aerial Photographs Reviewed

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.

<u>Note</u>: 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 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 did not recommend further assessment of soil or groundwater impacts associated with 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 did not recommend further assessment of soil or groundwater impacts associated with 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.

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 <i>Past use likely to indicate RECs</i> 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

Table 6 Subject Property Observations

			Not
General Observations	Remarks	Observed	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 23 rd 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.	Х	
Wetlands	A portion of land surrounding the pond on the subject property is likely a wetland.	Х	
Below grade vaults	None observed.		Х
Burned or buried debris	None observed.		Х
Chemical storage	None observed.		Х

Osmand Oksennations	Demostra	Ohaamad	Not
General Observations Chemical mixing areas	Remarks None observed.	Observed	Observed X
Discolored soil or water	None observed.		X
Ditches, streams	None observed.		Х
Drains and piping (e.g. floor drains, floor trenches, bay drains, sand traps, grease traps)	None observed.		x
Drums	None observed. See <i>Past use likely to indicate RECs</i> above.		Х
Electrical or hydraulic equipment (polychlorinated biphenyls [PCBs])	None observed.		Х
Fill dirt from an unknown source.	None observed.		Х
Hazardous chemical and petroleum products in connection with <i>known</i> use.	None observed.		Х
Hazardous chemical and petroleum products in connection with <i>unknown</i> use.	None observed. See <i>Past use likely to indicate RECs</i> above.		X
Non-hazardous containers with contents	None observed.		Х
Hazardous waste storage	None observed.		Х
Heating and cooling system and fuel source	None observed.		Х
Industrial waste treatment equipment	None observed.		Х
Loading and unloading areas	None observed.		Х
Odors	None observed.		х
Pesticides, herbicides, or fertilizers	None observed. See <i>Past use likely to indicate RECs</i> above.		Х
Pits, ponds, or lagoons	A pond is currently located near the center of the subject property.	Х	
Pools of liquid	None observed.		Х
Process waste water	None observed.		Х
Sanitary sewer system	None observed.		Х
Septic system (e.g. tank and leach fields)	None observed.		Х
Soil piles	None observed.		Х
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.		Х
Storm drains/catch basins	None observed.		Х
Stressed vegetation	None observed.		Х
Sumps and clarifiers	None observed.		Х

General Observations	Remarks	Observed	Not Observed
Surface water	None observed.		Х
Underground storage tank(s) (USTs), including heating oil tanks	None observed or recorded.		Х
Unidentified substance containers	None observed.		Х
Utilities	Municipal Electricity and water (among others) are likely stubbed to the subject property.	Х	
Waste water discharge	None observed.		Х
Water supplies (potable and process)	None observed.		Х
Environmental/Geotechnical Soil Borings	See section 4.5.		Х
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.	Х	
Wells (<i>dry</i>)	None observed.		Х
Wells (o <i>il and gas</i>)	None observed or recorded.		Х

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).

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

Table 7 Surrounding Properties

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 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 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 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.

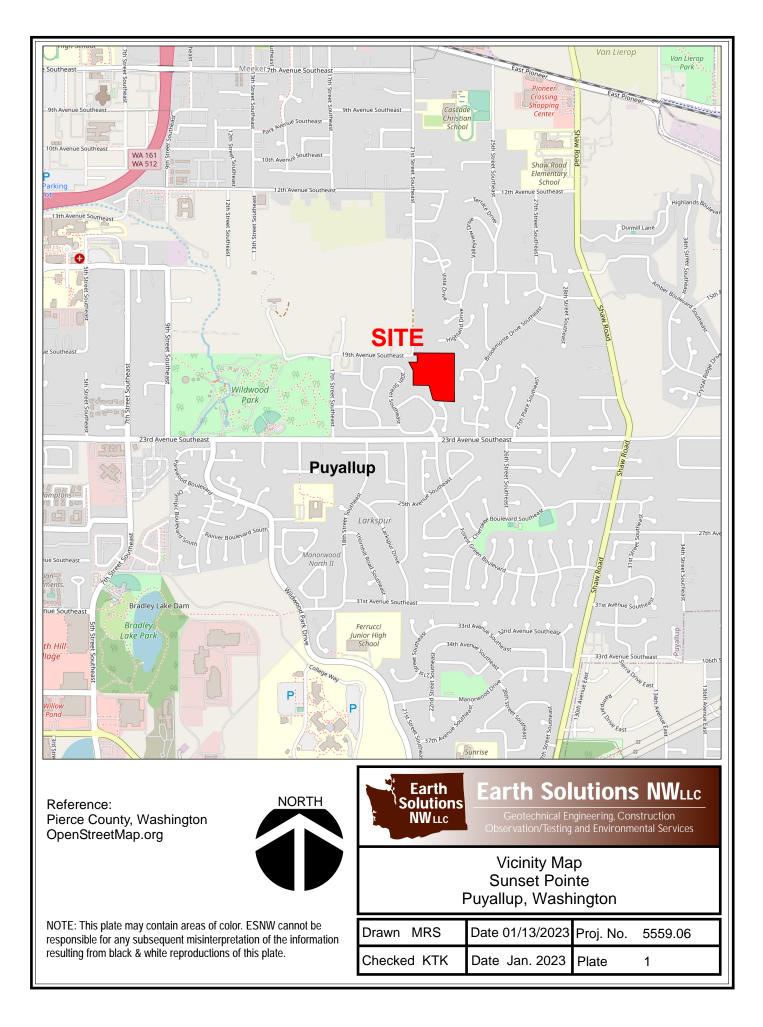
9.0 REFERENCES

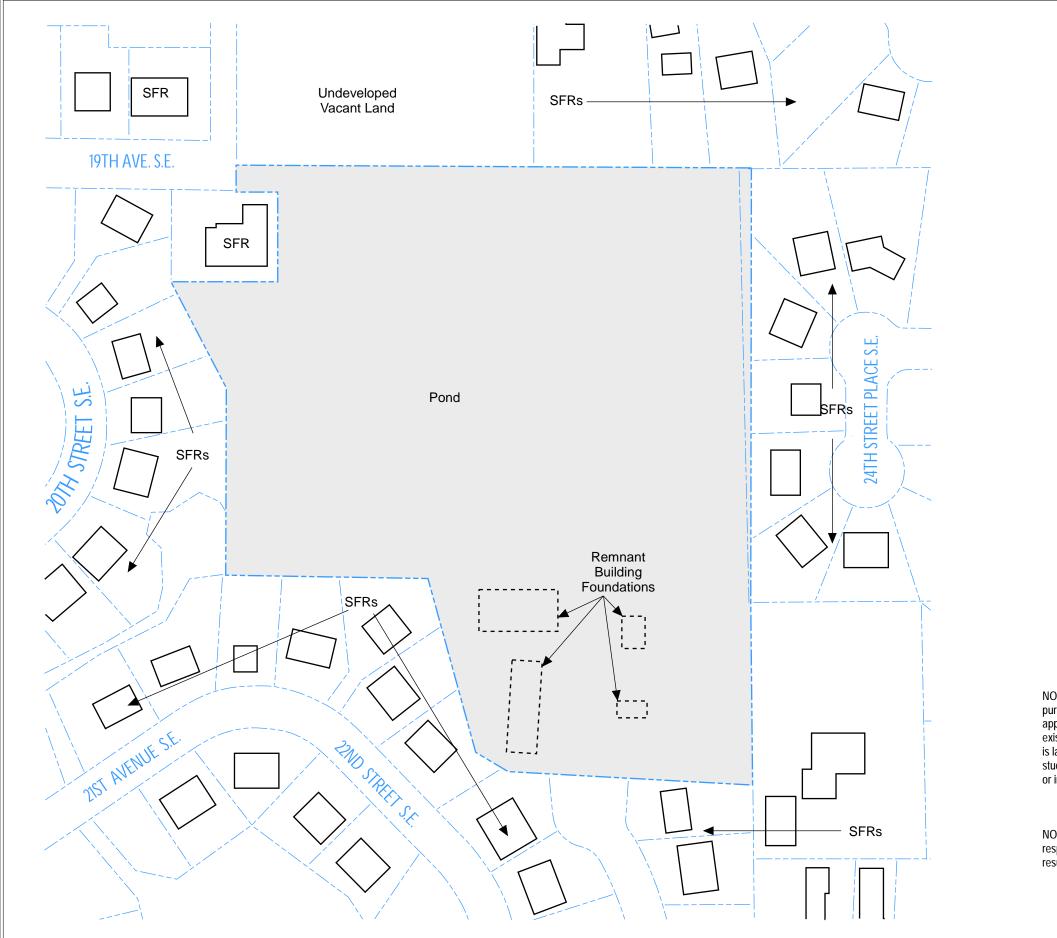
- American Society for Testing and Materials, 2021, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, Designation E1527-21.
- 2. Environmental Data Resources Reports, Sunset Pointe, 2301 23rd Street SE, Puyallup, Washington 98372. Report ID: 7214049.2s, 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





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.

LEGEND



Subject Site

Existing Building



NOT - TO - SCALE

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.



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

FORM-LBC-DLU

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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 - 47 10' 21.14''
Longitude (West):	122.2654310 - 122 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: Version Date:

2020

East Map: Version Date: 14742722 SUMNER, WA 2020

14742704 PUYALLUP, WA

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20150807
Source:	USDA

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

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	N/A
PIONEER MUSEUM FORME 2301 23RD AVE SE PUYALLUP, WA	Facility Id: 9490 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

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
	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
	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

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 Section 7 Tracking Systems ROD Records Of Decision RMP Risk Management Plans

	RCRA Administrative Action Tracking System
	Potentially Responsible Parties
	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 Registration Database
RADINFO	Radiation Information Database
	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	
LEAD SMELTERS	Lead Smelter Sites
	Aerometric Information Retrieval System Facility Subsystem
US 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
	Superfund Sites with PFAS Detections Information
	Federal Sites PFAS Information
PFAS TSCA	PFAS Manufacture and Imports Information
	PFAS Transfers Identified In the RCRA Database Listing
	PFAS Contamination Site Location Listing
	Ambient Environmental Sampling for PFAS
	Clean Water Act Discharge Monitoring Information
PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing
	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	
	Washington Emissions Data System
ASBESTOS	
	Coal Ash Disposal Site Listing
DRYCLEANERS	
Financial Assurance	Financial Assurance Information Listing
Inactive Drycleaners	
MANIFEST	_ Hazardous Waste Manifest Data
	. Water Quality Permit System Data
	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 *Additional key fields are available i	1500 SHAW RD	NE 1/4 - 1/2 (0.471 mi.)	7	13	

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 0	Government Version: 12/05/2022			
Database: SPILLS, Date of Govern	ment Version: 08/24/2022			
Facility ID: 82675				

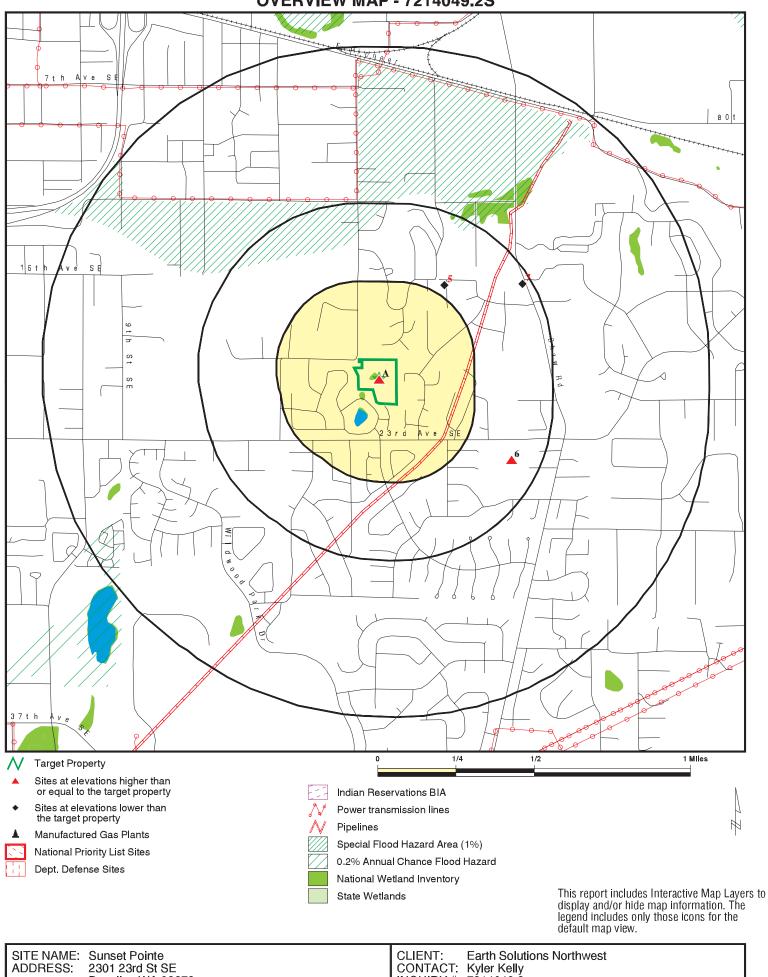
Due to poor or inadequate address information, the following sites were not mapped. Count: 2 records.

Site Name

OCCIDENTAL CHEMICAL-SITE II O'CONNER DEMOLITION FILL Database(s)

SWF/LF SWF/LF

OVERVIEW MAP - 7214049.2S



ADDRESS:

LAT/LONG:

2301 23rd St SE

Puyallup WA 98372 47.172539 / 122.265431

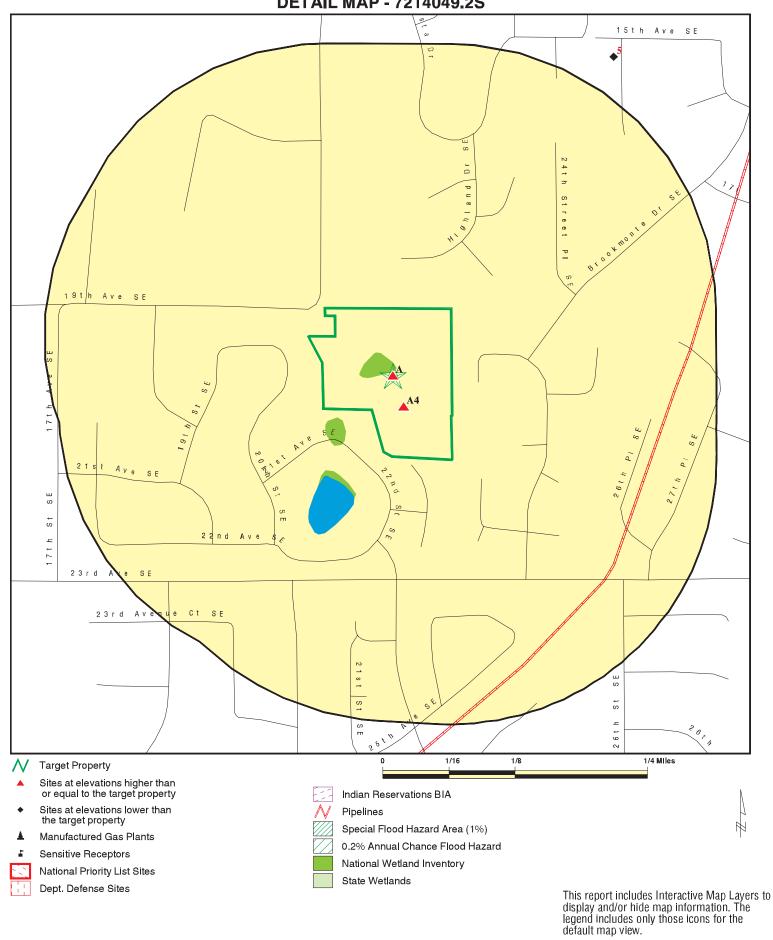
E:	December 29, 2022	3:30 pm
	A second what an ANADA EDD In the ANADA ET STATE	

INQUIRY #: 7214049.2s

DAT

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DETAIL MAP - 7214049.2S



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

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMEN	TAL RECORDS							
Lists of Federal NPL (Su	ıperfund) site	s						
NPL Proposed NPL NPL LIENS	1.000 1.000 1.000		0 0 0	0 0 0	0 0 0	0 0 0	NR NR NR	0 0 0
Lists of Federal Delisted	NPL sites							
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites su CERCLA removals and		ers						
FEDERAL FACILITY SEMS	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Lists of Federal CERCL	A sites with N	FRAP						
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA for undergoing Corrective J								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA 1	SD facilities							
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA g	enerators							
RCRA-LQG RCRA-SQG RCRA-VSQG	0.250 0.250 0.250		0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0
Federal institutional con engineering controls re								
LUCIS US ENG CONTROLS US INST CONTROLS	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent								
HSL	1.000		0	0	0	0	NR	0
Lists of state- and tribal hazardous waste faciliti								
CSCSL	1.000	1	0	0	0	0	NR	1
Lists of state and tribal and solid waste disposa								
SWF/LF	0.500		0	0	0	NR	NR	0

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 triba	Lists of state and tribal leaking storage tanks								
LUST INDIAN LUST	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0	
Lists of state and triba	l registered sto	orage tanks							
FEMA UST UST AST INDIAN UST	0.250 0.250 0.250 0.250		0 0 0	0 0 0 0	NR NR NR NR	NR NR NR NR	NR NR NR NR	0 0 0 0	
State and tribal institut control / engineering c		es							
INST CONTROL	0.500		0	0	0	NR	NR	0	
Lists of state and triba	l voluntary clea	anup sites							
ICR INDIAN VCP VCP PTAP	0.500 0.500 0.500 0.500		0 0 0	0 0 0 0	0 0 0 0	NR NR NR NR	NR NR NR NR	0 0 0 0	
Lists of state and triba	l brownfield si	tes							
BROWNFIELDS	0.500		0	0	0	NR	NR	0	
ADDITIONAL ENVIRONME	ENTAL RECORD	s							
Local Brownfield lists									
US BROWNFIELDS	0.500		0	0	0	NR	NR	0	
Local Lists of Landfill / Waste Disposal Sites	/ Solid								
SWRCY SWTIRE INDIAN ODI DEBRIS REGION 9 ODI IHS OPEN DUMPS	0.500 0.500 0.500 0.500 0.500 0.500		0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	NR NR NR NR NR	NR NR NR NR NR	0 0 0 0 0	
Local Lists of Hazardo Contaminated Sites	us waste /								
US HIST CDL ALLSITES CDL HIST CDL CSCSL NFA US CDL	0.001 0.500 0.001 0.001 0.500 0.001	1	0 0 0 0 0	NR 0 NR NR 0 NR	NR 3 NR 0 NR	NR NR NR NR NR NR	NR NR NR NR NR	0 4 0 0 0 0	
Local Land Records									
LIENS 2	0.001		0	NR	NR	NR	NR	0	
Records of Emergency	/ Release Repo	orts							
HMIRS	0.001		0	NR	NR	NR	NR	0	

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SPILLS SPILLS 90	0.001 0.001		1 0	NR NR	NR NR	NR NR	NR NR	1 0
Other Ascertainable Rec	ords							
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 EPA WATCH LIST	0.001 0.001		0 0	NR NR	NR NR	NR NR	NR NR	0 0
2020 COR ACTION	0.001		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		Õ	NR	NR	NR	NR	Õ
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 ICIS	0.001 0.001		0 0	NR NR	NR NR	NR NR	NR NR	0 0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		Ő	NR	NR	NR	NR	ŏ
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
	1.000		0	0	0	0	NR	0
INDIAN RESERV FUSRAP	1.000 1.000		0 0	0 0	0 0	0 0	NR NR	0 0
UMTRA	0.500		0	Ö	0	NR	NR	ŏ
LEAD SMELTERS	0.001		Õ	NR	NR	NR	NR	Õ
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 UXO	0.001 1.000		0 0	NR 0	NR 0	NR 0	NR NR	0 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		Õ	Õ	NR	NR	NR	Õ
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 PFAS ECHO FIRE TRAINI	0.250		0 0	0 0	NR NR	NR NR	NR NR	0 0
PFAS ECHO FIRE TRAIN			0	0	NR	NR	NR	0
	. 0.200		0	0		1413	1413	0

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 HISTORICA	L 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

Database(s)

EDR ID Number EPA ID Number

A1 Target Property	PIONEER MUSEUM 2301 23RD AVE SE PUYALLUP, WA 98372		CSCSL ALLSITES	S111414226 N/A
	Site 1 of 4 in cluster A			
Actual: 371 ft.	Site 1 of 4 in cluster A CSCSL: Name: Address: City,State,Zip: Facility ID: Region: Lat/Long: Clean Up Siteid: Site Status: Contaminant Name: Alternate Site Names: Site Rank: Has Institutional Contro Past VCP: Current VCP: URL: Ground Water: Surface Water: Soil: Sediment: Air: Bedrock: Responsible Unit: Name: Address: City,State,Zip: Facility ID: Region: Lat/Long: Clean Up Siteid: Site Status: Contaminant Name: Alternate Site Names: Site Rank: Has Institutional Contro Past VCP: Current VCP: URL: Ground Water: Site Rank: Has Institutional Contro Past VCP: Current VCP: URL: Ground Water: Soil: Sediment: Air: Bedrock: Responsible Unit: Name: Atternate Site Names: Site Rank: Has Institutional Contro Past VCP: Current VCP: URL: Ground Water: Soil: Sediment: Air: Bedrock: Responsible Unit: Name: Address: City,State,Zip: Facility ID: Name: Address: City,State,Zip: Facility ID: Name: Address: City,State,Zip: Facility ID: Sediment: Air: Bedrock: Responsible Unit: Name: Address: City,State,Zip: Facility ID: Regin: City,State,Zip: Facility ID: Sediment: Atter, Site, Site	Not reported Not reported https://apps.ecology.wa.gov/cleanupsearch/site/11739 Not reported Confirmed Above Cleanup Levels Not reported Not reported Not reported Southwest PIONEER MUSEUM 2301 23RD AVE SE PUYALLUP, WA 98372 9490 Southwest 47.172527 / -122.265384 11739 Awaiting Cleanup Other Halogenated Organics Not reported Not reported		
	Region: Lat/Long:	Southwest 47.172527 / -122.265384		

Database(s)

EDR ID Number EPA ID Number

S111414226

PIONEER MUSEUM (Continued)

· · · · · ·	
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
-	Not reported
Ground Water:	•
Surface Water:	Not reported
Soil:	Confirmed Above Cleanup Levels
Sediment:	Not reported
Air:	Not reported
Bedrock:	Not reported
Responsible Unit:	Southwest
	oodamood
Nome	
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	•
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

MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

	PIONEER MUSEUM (Continued)		S111414226
	-			5111414220
	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			
	Latitude:	47.172525905299999		
	Longitude:	-122.265370589		
A2 Target Property	PIONEER MUSEUM F0 2301 23RD AVE SE PUYALLUP, WA Site 2 of 4 in cluster A		RGA HWS	S115345102 N/A
Actual: 371 ft.	RGA HWS:	2012 PIONEER MUSEUM FORMER 2301 23RD AVE SE		
A3 Target Property	PIONEER MUSEUM 2301 23RD AVE SE PUYALLUP, WA 9837	2	 FINDS	1015922136 N/A
	Site 3 of 4 in cluster A			
Actual:	FINDS:			
371 ft.	Registry ID:	110045015274		
	Click Here for FR	S Facility Detail Report:		
	Environmental Intere	st/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.		

Database(s)

EDR ID Number EPA ID Number

A4			SPILLS	S110627886
	1900 BLK 22ND PLACE			N/A
< 1/8	PUYALLUP, WA			
1 ft.	Cite 4 of 4 in objector A			
	Site 4 of 4 in cluster A			
Relative:	SPILLS:			
Higher				
Actual: 386 ft.		1900 BLK 22ND PLACE PUYALLUP, WA		
300 11.		32675		
		Land		
	Material Desc:	OILY WATER MIXTURE		
	Material Qty:	1051		
	Material Units: 0	Gals		
		06/27/2010		
	• • • •	Oil Spill		
	•••	Oil Spill		
		47.172113		
	5	122.265218 Private Property		
		Drum or Container		
		Not reported		
	•	1051		
	Resp Party Contact:	Joshua Gunia, Sharon Tanner		
		ERTS# 620837 - 06/27/2010		
		Not reported		
		Not reported		
	51	∟and Not reported		
	Contributing ractors.	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: Initial Report Cause Name:	Human error 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 Meas			
	Potentially Responsible Party First Na	•		
	Potentially Responsible Party Last Na Potentially Responsible Party Organiz			
	External Reference Number:	Not reported		
	Latitude:	47.17211300000003		
	Longitude:	122.265218		
	Facility Site ID:	Not reported		

Database(s)

ALLSITES

S110037749

N/A

EDR ID Number EPA ID Number

(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:	47.17211300000003
Longitude:	122.265218

5 NE 1/4-1/2 0.283 mi.

0.283 mi. 1496 ft. Relative:

Lower Actual: 205 ft.

CYPRESS MANOR CORNER 19TH AVE SE & 17TH ST SE PUYALLUP, WA 98372 ni. . e: ALLSITES:

Name:

Facility Id:

Interaction:

Interaction 1:

Interaction 2:

Program Data:

Date Interaction:

Date Interaction 3:

Facility Alt .:

Program ID:

Latitude:

Longitude:

Ecology Program:

CYPRESS MANOR 14849 84127 A CONSTSW WATQUAL PARIS

84127 A CONSTSWGP WATQUAL PARIS CYPRESS MANOR WAR007059 2006-04-07 00:00:00

Construction SW GP 47.176900000099998 -122.261

Database(s)

EDR ID Number EPA ID Number

6 ESE 1/4-1/2 0.408 mi. 2156 ft.	SULLYS GLEN 2820 23RD AVE SE PUYALLUP, WA 98374		ALLSITES NPDES	S121069829 N/A
Relative: Higher Actual: 496 ft.	ALLSITES: Name: Facility Id: Interaction: Interaction 1: Interaction 2: Ecology Program: Program Data: Facility Alt.: Program ID: Date Interaction: Date Interaction 3: Latitude: Longitude:	SULLYS GLEN 7041 123271 A CONSTSWGP WATQUAL PARIS Sully's Glen WAR305747 2017-08-09 00:00:00 Construction SW GP 47.168808756300002 -122.256441714		
	NPDES: Name: Address: City,State,Zip: Facility Status: Facility Type: Admin Region: Date Issued: Latitude: Longitude: Permit ID: Permit Version: Permit Version: Permit Status: Permit Status: Ecology Contact: WRIA: Permit Expiration Date: Effective Date: Days to Expiration:	SULLY'S GLEN 2820 23RD AVE SE PUYALLUP, WA 98374 Not reported Construction SW GP Headqarters 11/18/2020 Not reported Not reported WAR305747 Not reported Active Not reported Not reported Not reported Not reported 12/31/2025 01/01/2021 -1178		
7 NE 1/4-1/2 0.471 mi. 2487 ft.	PUYALLUP HIGHLANDS PHAS 1500 SHAW RD PUYALLUP, WA 98372	Ε 4	ALLSITES	S110764255 N/A
Relative: Lower Actual: 129 ft.	ALLSITES: Name: Facility Id: Interaction: Interaction 1: Interaction 2: Ecology Program: Program Data: Facility Alt.:	PUYALLUP HIGHLANDS PHASE 4 15776 101944 A CONSTSWGP WATQUAL PARIS Puyallup Highlands Phase 4		

Database(s)

EDR ID Number EPA ID Number

PUYALLUP HIGHLANDS PHASE 4 (Continued)

Program ID: Date Interaction: Date Interaction 3: Latitude: Longitude:

Name: Facility Id:

Interaction: Interaction 1: Interaction 2: Ecology Program: Program Data: Facility Alt.: Program ID: Date Interaction: Date Interaction 3: Latitude: Longitude:

Name: Facility Id:

Interaction: Interaction 1: Interaction 2: Ecology Program: Program Data: Facility Alt.: Program ID: Date Interaction: Date Interaction 3: Latitude: Longitude:

Name: Facility Id:

Interaction: Interaction 1: Interaction 2: Ecology Program: Program Data: Facility Alt.: Program ID: Date Interaction: Date Interaction 3: Latitude: Longitude:

Name: Facility Id: WAR125927 2012-06-25 00:00:00 Construction SW GP 47.1769183619 -122.255701102

PUAYLLUP HIGHLANDS PHASE 3 PARTIAL 11283

99219

I CONSTSWGP WATQUAL PARIS Puayllup Highlands Phase 3 Partial WAR125473 2012-01-06 00:00:00 Construction SW GP 47.180205494200003 -122.249252181

PUYALLUP HIGHLANDS PHASE 3 PARTIAL 6276

103330

I CONSTSWGP WATQUAL PARIS Puyallup Highlands Phase 3 Partial WAR126613 2012-12-12 00:00:00 Construction SW GP 47.178983488999997 -122.246638257

PUYALLUP HIGHLANDS HIGH COUNTRY 9017

109335 A CONSTSWGP WATQUAL PARIS Puyallup Highlands High Country WAR302153 2014-06-30 00:00:00 Construction SW GP 47.181000661100001 -122.247990917

PUYALLUP HIGHLANDS CONSTRUCTION SITE 6587244

S110764255

90992

Database(s)

EDR ID Number EPA ID Number

PUYALLUP HIGHLANDS PHASE 4 (Continued)

Interaction: Interaction 1: Interaction 2: Ecology Program: Program Data: Facility Alt.: Program ID: Date Interaction: Date Interaction 3: Latitude: Longitude:

Interaction: Interaction 1: Interaction 2: Ecology Program: Program Data: Facility Alt.: Program ID: Date Interaction: Date Interaction 3: Latitude: Longitude:

Interaction: Interaction 1: Interaction 2: Ecology Program: Program Data: Facility Alt.: Program ID: Date Interaction: Date Interaction 3: Latitude: Longitude:

Name: Facility Id:

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

87647

CONSTSWGP WATQUAL PARIS PUYALLUP HIGHLANDS WAR006083 2005-03-18 00:00:00 Construction SW GP 47.176918999800002 -122.255703

96273 I CONSTSWGP WATQUAL PARIS Puyallup Highlands Phase 3 WAR124893 2011-04-11 00:00:00 Construction SW GP 47.176918999800002 -122.255703

PUYALLUP HIGHLANDS RICHMOND AMERICAN HOMES 19488

104667 I CONSTSWGP WATQUAL PARIS Puyallup Highlands Richmond American Homes WAR126927 2013-04-02 00:00:00 Construction SW GP 47.177129722799997 -122.255868885

S110764255

Count: 2 records.

ORPHAN SUMMARY

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

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 3 Telephone 215-814-5418

EPA Region 4 Telephone 404-562-8033

EPA Region 5 Telephone 312-886-6686

EPA Region 10 Telephone 206-553-8665 EPA Region 6 Telephone: 214-655-6659

EPA Region 7 Telephone: 913-551-7247

EPA Region 8 Telephone: 303-312-6774

EPA Region 9 Telephone: 415-947-4246

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	Source:
Date Data Arrived at EDR: 09/06/2022	Telepho
Date Made Active in Reports: 12/05/2022	Last ED
Number of Days to Update: 90	Next Sc

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	Source: EPA
Date Data Arrived at EDR: 11/21/2022	Telephone: 800-424-9346
Date Made Active in Reports: 12/05/2022	Last EDR Contact: 12/21/2022
Number of Days to Update: 14	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: 08/16/2022Source: DepartmDate Data Arrived at EDR: 08/22/2022Telephone: 843-Date Made Active in Reports: 10/24/2022Last EDR ContacNumber of Days to Update: 63Next ScheduledDate Balance FrDate Balance Fr

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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/17/2022	Telephone: 703-603-0695
Date Made Active in Reports: 10/24/2022	Last EDR Contact: 11/16/2022
Number of Days to Update: 68	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	Source: Department of Ecology
Date Data Arrived at EDR: 09/07/2022	Telephone: 360-407-7200
Date Made Active in Reports: 11/29/2022	Last EDR Contact: 11/28/2022
Number of Days to Update: 83	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: 10/10/2022Source: DeparamentDate Data Arrived at EDR: 10/11/2022Telephone: 3Date Made Active in Reports: 12/22/2022Last EDR CorrNumber of Days to Update: 72Next ScheduleDate Data Parameter of Days to Update: 72Determine

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 Ta LUSTs on Indian land in New Mexico and Okla	
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 LUSTs on Indian land in Alaska, Idaho, Oregor	
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 Ta A listing of leaking underground storage tank to	
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 Ta LUSTs on Indian land in Arizona, California, Ne	
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 Ta Leaking underground storage tanks located on	anks on Indian Land I 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 Ta LUSTs on Indian land in Florida, Mississippi ar	
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 Ta LUSTs on Indian land in Iowa, Kansas, and Ne	
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 T LUSTs on Indian land in Colorado, Montana, I	anks on Indian Land 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 stora	age 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
	's are regulated under Subtitle I of the Resource Conservation and Recovery tate department responsible for administering the UST program. Available
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 location and Response Program.	s regulated by the Department of Ecology's Spill Prevention, Preparedness
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
	ndian Land database provides information about underground storage tanks on Indian rgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee
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
	ndian Land database provides information about underground storage tanks on Indian orth 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 Undate: 64	Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 12/06/2022 Next Scheduled EDR Contact: 01/30/2023

Next Scheduled EDR Contact: 01/30/2023

Data Release Frequency: Varies

Number of Days to Update: 64

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	Source: EPA Region 7
Date Data Arrived at EDR: 06/13/2022	Telephone: 913-551-7003
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 12/06/2022
Number of Days to Update: 64	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	Source: EPA Region 10
Date Data Arrived at EDR: 06/13/2022	Telephone: 206-553-2857
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 12/06/2022
Number of Days to Update: 64	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	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 07/08/2021
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

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

Date of Government Version: 07/27/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 12/13/2022
Number of Days to Update: 142	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 gualifying 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 Location of open dumps on Indian land.	on Indian Lands
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 Subtitle D Criteria.	that does not comply with one or more of the Part 257 or Part 258
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 I A listing of illegal dump sites location on the T County and northern Imperial County, Californ	orres Martinez Indian Reservation located in eastern Riverside
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 L	and 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 Re A listing of clandestine drug lab locations that Register.	egister have been removed from the DEAs National Clandestine Laboratory

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 Listin Information on facilities and sites of interest to	•
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
	chemicals that create public health hazards. Chemicals and residues I damage, and death. Biological hazards associated with intravenous
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 Clandest This listing of contaminated sites by Clandest listing does not. This listing is no longer updat	ine Drug Labs includes non-remediated properties. The current CDL
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
•	No Further Action nat are undergoing cleanup and sites that are awaiting further investigation 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
web site as a public service. It contains addre they found chemicals or other items that indic In most cases, the source of the entries is not	e U.S. Department of Justice ("the Department") provides this isses of some locations where law enforcement agencies reported ated the presence of either clandestine drug laboratories or dumpsites. It the Department, and the Department has not verified the entry rs of the public must verify the accuracy of all entries by, for example, walth 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

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.

Data Release Frequency: Quarterly

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	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 09/19/2022	Telephone: 202-366-4555
Date Made Active in Reports: 09/30/2022	Last EDR Contact: 12/14/2022
Number of Days to Update: 11	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	Source: Department of Ecology
Date Data Arrived at EDR: 08/30/2022	Telephone: 360-407-6950
Date Made Active in Reports: 11/17/2022	Last EDR Contact: 11/22/2022
Number of Days to Update: 79	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	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 03/06/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 62	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	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 08/11/2022	Telephone: 202-528-4285
Date Made Active in Reports: 09/30/2022	Last EDR Contact: 11/10/2022
Number of Days to Update: 50	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: 07/18/2022SoDate Data Arrived at EDR: 07/18/2022TeDate Made Active in Reports: 07/29/2022La:Number of Days to Update: 11Ne

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

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	Source: EPA
Date Data Arrived at EDR: 01/20/2022	Telephone: 202-566-0500
Date Made Active in Reports: 03/25/2022	Last EDR Contact: 10/06/2022
Number of Days to Update: 64	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

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	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	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	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	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	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 11/22/2022	Telephone: 301-415-7169
Date Made Active in Reports: 12/05/2022	Last EDR Contact: 10/11/2022
Number of Days to Update: 13	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	Source: Department of Energy
Date Data Arrived at EDR: 11/30/2021	Telephone: 202-586-8719
Date Made Active in Reports: 02/22/2022	Last EDR Contact: 11/29/2022
Number of Days to Update: 84	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/06/2019	Telephone: 202-566-0517
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 11/03/2022
Number of Days to Update: 96	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	Source: Department of Transporation, Office of Pipeline Safety
Date Data Arrived at EDR: 01/28/2020	Telephone: 202-366-4595
Date Made Active in Reports: 04/17/2020	Last EDR Contact: 10/24/2022
Number of Days to Update: 80	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	Source: l
Date Data Arrived at EDR: 07/14/2015	Telephon
Date Made Active in Reports: 01/10/2017	Last EDR
Number of Days to Update: 546	Next Sche

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 Assessme Mines violation and assessment information.	nt Data 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 issu violation information.	ed for mines active or opened since 1971. The data also includes
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
	al mines are facilities that extract ferrous metals, such as iron rous metal mines are facilities that extract nonferrous metals, such
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 Data Active Mines and Mineral Processing Plant o of the USGS.	base Listing perations for commodities monitored by the Minerals Information Team
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: 08/03/2022Source: EPADate Data Arrived at EDR: 08/25/2022Telephone: (206) 553-1200Date Made Active in Reports: 10/24/2022Last EDR Contact: 11/29/2022Number of Days to Update: 60Next Scheduled EDR Contact: 03/13/2023Data 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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/30/2022	Telephone: 202-564-2280
Date Made Active in Reports: 12/22/2022	Last EDR Contact: 09/30/2022
Number of Days to Update: 83	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/21/2021	Telephone: 202-564-0527
Date Made Active in Reports: 08/11/2021	Last EDR Contact: 11/15/2022
Number of Days to Update: 82	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	Source: Department of Defense
Date Data Arrived at EDR: 01/11/2022	Telephone: 703-704-1564
Date Made Active in Reports: 02/14/2022	Last EDR Contact: 10/05/2022
Number of Days to Update: 34	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/31/2022	Telephone: 202-272-0167
Date Made Active in Reports: 11/08/2022	Last EDR Contact: 10/04/2022
Number of Days to Update: 222	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).

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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: 01/03/2022Source: EnviroDate Data Arrived at EDR: 03/31/2022Telephone: 202Date Made Active in Reports: 11/08/2022Last EDR ContaNumber of Days to Update: 222Next SchedulerDate ReleaseDate Release

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, 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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/31/2022	Telephone: 202-272-0167
Date Made Active in Reports: 11/08/2022	Last EDR Contact: 10/06/2022
Number of Days to Update: 222	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	Source: Department of Ecology
Date Data Arrived at EDR: 08/09/2022	Telephone: 360-407-6116
Date Made Active in Reports: 09/28/2022	Last EDR Contact: 09/28/2022
Number of Days to Update: 50	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	Source: Department of Ecology
Date Data Arrived at EDR: 10/05/2022	Telephone: 360-407-6116
Date Made Active in Reports: 10/26/2022	Last EDR Contact: 09/28/2022
Number of Days to Update: 21	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

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

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

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

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: 11/17/2022Source: Department of EcologyDate Data Arrived at EDR: 11/22/2022Telephone: 360-586-1060Date Made Active in Reports: 11/29/2022Last EDR Contact: 11/16/2022Number of Days to Update: 7Next Scheduled EDR Contact: 03/06/2023Data 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

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

Next Scheduled EDR Contact: 01/23/2023 Data Release Frequency: Annually

Data Release Frequency: Annually

Source: Department of Ecology

Telephone: 360-407-6732 Last EDR Contact: 10/05/2022

NF	DES: 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
UI	C: 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
PC	S 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
MI	NES 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
PC		ion system that contains data on National Pollutant Discharge Elimination S tracks the permit, compliance, and enforcement status of NPDES
	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
PC	S INACTIVE: Listing of Inactive PCS Permits An inactive permit is a facility that has shut do	wn 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	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

Number of Days to Update: 120

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	Source: Department of Ecology
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/10/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 193	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

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 - 47^ 10' 21.14''
Longitude (West):	122.265431 - 122 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:

- Groundwater flow direction, and
 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.

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).

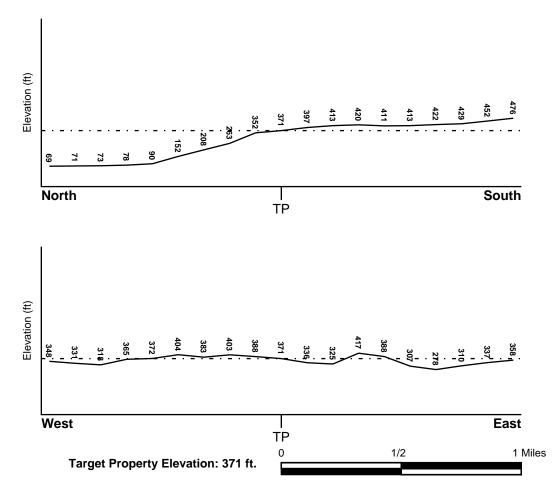
TOPOGRAPHIC INFORMATION

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.

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 5301380361C	FEMA Q3 Flood data FEMA Q3 Flood data
NATIONAL WETLAND INVENTORY	
NWI Quad at Target Property PUYALLUP	NWI Electronic <u>Data Coverage</u> 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 Not Reported LOCATION FROM TP GENERAL DIRECTION GROUNDWATER FLOW

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.

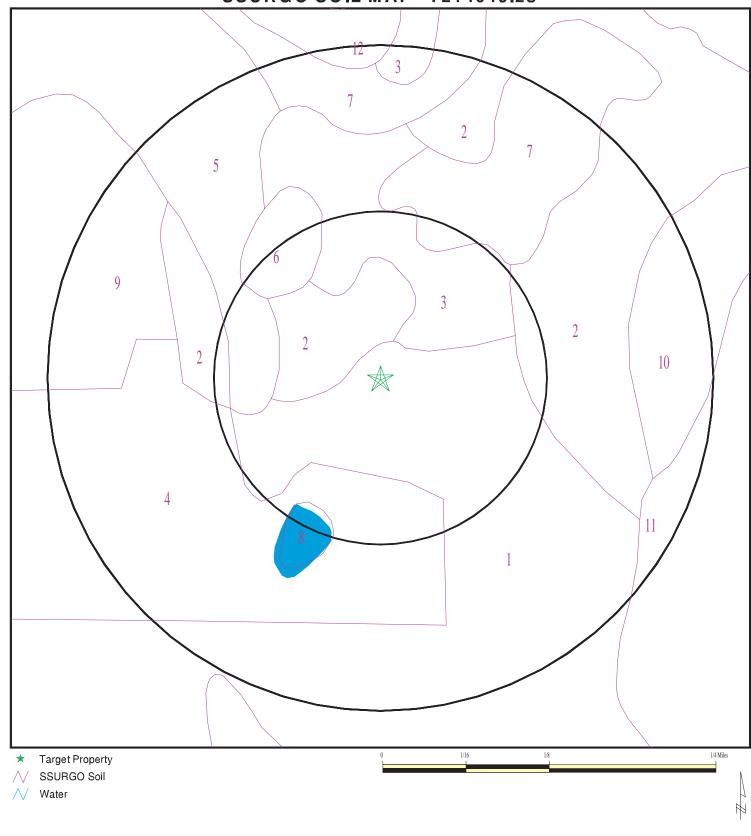
ROCK STRATIGRAPHIC UNIT

GEOLOGIC AGE IDENTIFICATION

Era:	Cenozoic Cate	egory:	Stratifed Sequence
System:	Quaternary		
Series:	Quaternary		
Code:	Q (decoded above as Era, System & Series)		

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



SITE NAME: Sunset Pointe	CLIENT: Earth Solutions Northwest
ADDRESS: 2301 23rd St SE	CONTACT: Kyler Kelly
Puyallup WA 98372	INQUIRY #: 7214049.2s
LAT/LONG: 47.172539 / 122.265431	DATE: December 29, 2022 3:33 pm
	Copyright © 2022 EDR, Inc. © 2015 TomTom Rel. 2015.

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				
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)	
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	

	Soil Layer Information							
	Bou	Indary		Classification		Saturated hydraulic		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec		
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	

Kitsap
silt loam
Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.
Moderately well drained
Moderate
> 0 inches
> 61 inches

	Soil Layer Information						
	Boundary			Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Soil Reaction (pH)
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	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	
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	
Layer l	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Soil Reaction (pH)
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		Classi	Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	hydraulic conductivity micro m/sec	
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

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		Boundary			Classi	Classification		
Layer	Upper	Lower	Soil Texture Class AA	AASHTO Group	Unified Soil	hydraulic conductivity micro m/sec	Soil Reaction (pH)		
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							
	Βοι	undary		Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
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

Soil Layer Information							
Layer	Boundary			Classification		Saturated hydraulic	
	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
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		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
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

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	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
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

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

				er Information		Saturated	
	Bou	Indary		Classi	Classification		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	hydraulic conductivity micro m/sec	Soil Reactior (pH)
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

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						
	Bou	indary		Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec (pH)	
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

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
153	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

		LOCATION
MAP ID	WELL ID	FROM TP

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

		LOCATION
MAP ID	WELL ID	FROM TP

No PWS System Found

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

_		
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 G37	WALOG2000637428	1/4 - 1/2 Mile West 1/4 - 1/2 Mile West
G38	WALOG2000665090 WALOG2000665091	1/4 - 1/2 Mile West
G39	WALOG2000665094	1/4 - 1/2 Mile West
G39 G40	WALOG2000680061	1/4 - 1/2 Mile West
G40 G41	WALOG2000665095	1/4 - 1/2 Mile West
G42	WALOG2000665089	1/4 - 1/2 Mile West
G43	WALOG2000665088	1/4 - 1/2 Mile West
G43 G44	WALOG2000665087	1/4 - 1/2 Mile West
G44 G45	WALOG2000665092	1/4 - 1/2 Mile West
G45 G46	WALOG2000665092	1/4 - 1/2 Mile West
49	WALOG2000085095	1/4 - 1/2 Mile NNW
49 50	WALOG2000041828	1/4 - 1/2 Mile NNV
50	WALOG2000100410	

MAP ID	WELL ID WA120000020594 WA120000025940 WA120000025940 WA120000025942 WALOG2000205597 WALOG2000205596 WALOG2000205598 WALOG2000205599 WALOG2000043083 WALOG2000043083 WALOG2000040718 WALOG2000040718 WALOG2000412811 WALOG2000231120 WALOG20000668865 WALOG20000668866 WALOG2000668866 WALOG2000446570 WALOG2000446563 WALOG2000446563 WALOG2000446563 WALOG2000446564 WALOG2000702148 WALOG2000702149 WALOG200000001124 WALOG2000000000000000000000000000000000000	LOCATION FROM TP
H51	WA1200000020594	1/4 - 1/2 Mile WNW
H52	WA120000020595	1/4 - 1/2 Mile WNW
K56	W/A120000025040	
	WA120000025940	
160	WA120000025942	
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	W/A1200000000012	1/2 - 1 Mile ENE
081		
	WALOG2000412011	
O82	WALOG2000412796	
O83	WALOG2000231120	
O84	WALOG2000668865	
O85	WALOG2000668864	1/2 - 1 Mile ESE
O86	WALOG2000668866	1/2 - 1 Mile ESE
087	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	WA120000011224	1/2 - 1 Mile WNW
R102	WALOG2000206055	1/2 - 1 Mile NE
R103	WALOG2000200005	1/2 - 1 Mile NE
S104	WALOG2000400131	1/2 - 1 Mile NE
S104 S105	MALOG2000039001	1/2 - 1 Mile NNW
S105 S106		1/2 - 1 Mile NNV
S107	WALOG2000257546	1/2 - 1 Mile NNW
T111	WALOG2000508995	1/2 - 1 Mile NNE
T112		
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

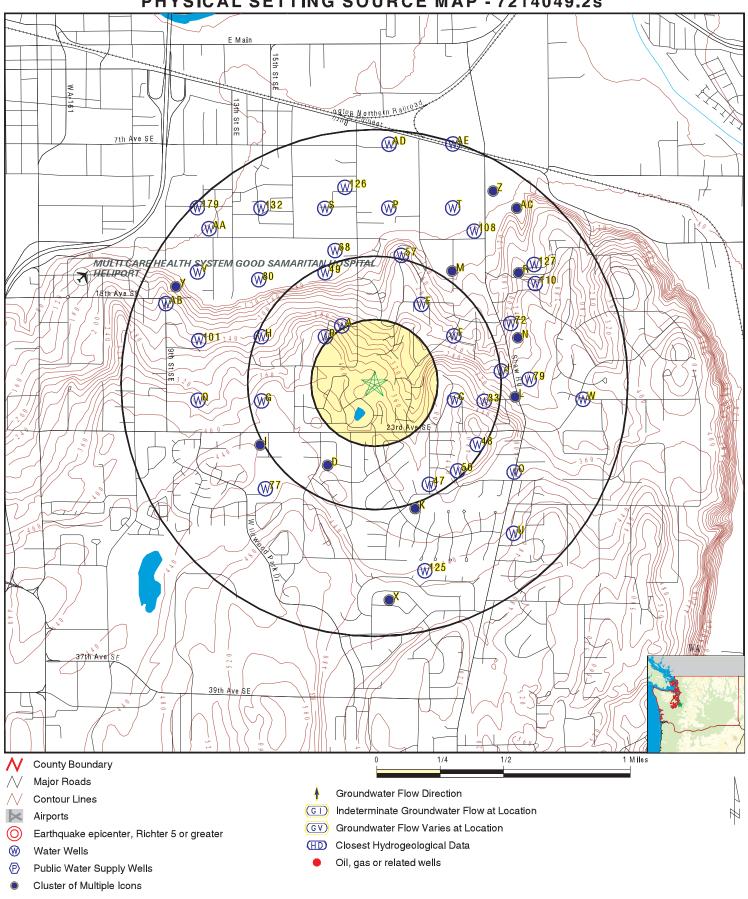
		LOCATION
MAP ID	WELL ID	FROM TP
		-
T121	WALOG2000698559	1/2 - 1 Mile NNE
T122	WALOG2000692825	1/2 - 1 Mile NNE 1/2 - 1 Mile NNE
T123 T124	WALOG2000698557 WALOG2000698558	1/2 - 1 Mile NNE
124	WALOG2000698558 WALOG2000028655	1/2 - 1 Mile SSE
125		
U128	WA1200000029417 WALOG2000668871	1/2 - 1 Mile NE 1/2 - 1 Mile SE
U128 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
V133 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	WA120000012279	1/2 - 1 Mile NNE
AB148	WALOG2000759752	1/2 - 1 Mile WNW
AB149	WALOG2000205086	1/2 - 1 Mile WNW
Y152	WA120000025938	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 AD178	WALOG2000205858	1/2 - 1 Mile North
179	WALOG2000485135 WALOG2000038347	1/2 - 1 Mile North 1/2 - 1 Mile NW
AE180	WALOG2000038347 WALOG2000780795	1/2 - 1 Mile NV
AL 100	VVALOG2000100130	

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
AE197	WALOG2000780811	1/2 - 1 Mile NNE
AE190	WALOG2000780814	1/2 - 1 Mile NNE
AE199 AE200	WALOG2000780814 WALOG2000780813	1/2 - 1 Mile NNE
		1/2 - 1 Mile NNE
AE201	WALOG2000780812	
AE202	WALOG2000780807	1/2 - 1 Mile NNE 1/2 - 1 Mile NNE
AE203	WALOG2000780802	
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	WALOG2000780780	1/2 - 1 Mile NNE
AE230 AE231	WALOG2000780782	1/2 - 1 Mile NNE
AE231 AE232	WALOG2000780782 WALOG2000780781	1/2 - 1 Mile NNE
ALLUZ	WALCC2000100101	

		LOCATION
MAP ID	WELL ID	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
AE239 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
AE280 AE281	WALOG2000780816	1/2 - 1 Mile NNE
AE282	WALOG2000780815 WALOG2000780818	1/2 - 1 Mile NNE
AE282 AE283		1/2 - 1 Mile NNE
	WALOG2000780821	1/2 - 1 Mile NNE
AE284	WALOG2000780820	1/2 - I WILLE ININE

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



SITE NAME: Sunset Pointe	CLIENT: Earth Solutions Northwest
ADDRESS: 2301 23rd St SE	CONTACT: Kyler Kelly
Puyallup WA 98372	INQUIRY #: 7214049.2s
LAT/LONG: 47.172539 / 122.265431	DATE: December 29, 2022 3:32 pm
	Company and a 2000 EDD line & 2015 Terr Terr Del 2015

Map ID Direction				
Distance Elevation			Database	EDR ID Number
A1 NNW /4 - 1/2 Mile Lower			FED USGS	USGS40001249455
Organization ID:	USGS-WA			
Organization Name:	USGS Washington Wate		10/-1	
Monitor Location: Description:	20N/04E-35M01 WELL DESTORYED AU	Type: GUST 14. 1991	Wel	I
HUC:	17110014	Drainage	Area: Not	Reported
Drainage Area Units:	Not Reported		0	Reported
Contrib Drainage Area Unts		Aquifer:		Reported
Formation Type:	Unclassified Overburden	Aquifer Ty		Reported
Construction Date:	19890425	Well Dept		Reported
Well Depth Units: Well Hole Depth Units:	Not Reported ft	Well Hole	Depth: 296	.5
Ground water levels,Numbe	er of Measurements:	1 Level read	ding date: 198	9-05-01
Feet below surface:	200	Feet to se	0	Reported
Note:	Not Reported			
Organization ID: Organization Name:	USGS-WA USGS Washington Wate	r Science Center		
Monitor Location:	20N/04E-35M02	Type:	Wel	I
Description:	Not Reported	HUC:	171	10014
Drainage Area:	Not Reported			Reported
Contrib Drainage Area:	Not Reported		0	Reported
Aquifer:	Not Reported	Formation		lassified Overburden
Aquifer Type: Well Depth:	Not Reported 341	Construct Well Dept		10828
Well Hole Depth:	341		Depth Units: ft	
Ground water levels,Number		2 Level read		5-06-14 Reported
Feet below surface: Note:	257.09 Not Reported	Feet to se	a level. Not	Reported
Level reading date:	1991-09-10	Feet below	w surface: 257	
Feet to sea level:	Not Reported	Note:	Not	Reported
33 IW /4 - 1/2 Mile ligher			WA WELLS	WALOG200004207
Database:	Ecology Well Logs	Well Log I	ID: 48389	
Well Tag #:	Not Reported	Project Ta		ted
Notice of Intent #:		Project Ta		

Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Not Reported 067591 8 10-SEP-91 Water Not Reported 48389 Not Reported Not Reported 341 JAMES VICTOR 0379

Date Received:

Well Owner:

Driller #:

Casing Depth (ft):

Flow Rate (gpm):

Not Reported

Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	10
34 NW I/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
35 NW I/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

		Database	EDR ID Number
		WA WELLS	WALOG2000378256
Ecology Well Logs Not Reported A128713 7 19-SEP-07 Decommisioning Not Reported Not Reported Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	496905 Not Reporte 12-SEP-07 40 PUYALLUP Not Reporte Not Reporte Not Reporte 10	~ CITY OF HWA GEOSCIENCES INC ed
		WA WELLS	WALOG2000378257
Ecology Well Logs Not Reported S029483 7 19-SEP-07 Resource Protection Not Reported Not Reported Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	496907 Not Reporte 12-SEP-07 30 PUYALLUP Not Reporte Not Reporte Not Reporte 10	~ CITY OF HWA GEOSCIENCES INC ed ed
		WA WELLS	WALOG2000378258
Ecology Well Logs Not Reported S029483 7 19-SEP-07 Resource Protection Not Reported Not Reported Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	496909 Not Reporte 12-SEP-07 40 PUYALLUP Not Reporte Not Reporte 10	~ CITY OF ed ed
	Not Reported A128713 7 19-SEP-07 Decommisioning Not Reported Not Reported Not Reported Not Reported S029483 7 19-SEP-07 Resource Protection Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported S029483 7 19-SEP-07 Resource Protection Not Reported Not Reported Not Reported S029483 7	Not ReportedProject Tag #: Date Received: Casing Depth (ft): Uell Owner: Decommisioning19-SEP-07Well Owner: DecommisioningNot ReportedPiller #: Flow Rate (gpm): Not ReportedNot ReportedPSI: Water Reclamation #:Not ReportedProject Tag #: Project Tag #: Casing Depth (ft): Uell CogsNot ReportedProject Tag #: Project Tag #: Casing Depth (ft):Not ReportedProject Tag #: Project Tag #: Casing Depth (ft):19-SEP-07Well Log ID: Well Owner: Project Tag #: Casing Depth (ft):Not ReportedFlow Rate (gpm): PSI: Not ReportedNot ReportedProject Tag #: S029483Not ReportedPSI: Vater Reclamation #:Ecology Well LogsWell Log ID: PSI: Not ReportedNot ReportedProject Tag #: Casing Depth (ft): Vater Reclamation #:Ecology Well LogsWell Log ID: PSI: Not ReportedNot ReportedProject Tag #: PSI: Not ReportedTSo29483Date Received: Casing Depth (ft): Vater Reclamation #:Not ReportedProject Tag #: POIDE POIDE Not ReportedNot ReportedProject Tag #: POIDE P	Ecology Well Logs Well Log ID: 496905 Not Reported Project Tag #: Not Reported A128713 Date Received: 12-SEP-07 7 Casing Depth (ft): 40 19-SEP-07 Well Owner: PUVALLUP Decommisioning Driller #: Not Reported Not Reported PSI: Not Reported Not Reported PSI: Not Reported Not Reported Project Tag #: Not Reported Not Reported PSI: Not Reported Not Reported Project Tag #: Not Reported S029483 Date Received: 12-SEP-07 7 Casing Depth (ft): 30 19-SEP-07 Well Owner: PUYALLUP Resource Protection Driller #: Not Reported Not Reported PSI: Not Reported Not Reported Project Tag #: Not Repor

1/4 - 1/2 Mile Higher

> Database: Well Tag #: Notice of Intent #: Diameter (in):

Ecology Well Logs Not Reported A128713 7 Well Log ID: Project Tag #: Date Received: Casing Depth (ft):

495194 Not Reported 12-SEP-07 30

Well completion: Well Type: Static Water Level: Flow Type: Well Test:

C11

ESE 1/4 - 1/2 Mile Higher

Database:

Well Tag #:

Diameter (in):

Well Type:

Flow Type:

Well Test:

Notice of Intent #:

Well completion:

Static Water Level:

16-AUG-07 Decommisioning Not Reported Not Reported Not Reported

Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:

Well Log ID:

Well Owner:

Driller #:

PSI:

Project Tag #:

Date Received:

Casing Depth (ft):

Flow Rate (gpm):

Water Reclamation #:

PUYALLUP~ CITY OF | HWA GEOSCIENCES INC Not Reported Not Reported Not Reported 10

WA WELLS WALOG2000377135

495196 Not Reported 12-SEP-07 30

PUYALLUP~ CITY OF | HWA GEOSCIENCES INC Not Reported Not Reported Not Reported 10

C12 ESE 1/4 - 1/2 Mile Higher

> Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

D13 SSW 1/4 - 1/2 Mile Higher

Organization ID: Organization Name: Monitor Location: Description: Drainage Area: Contrib Drainage Area: Aquifer: Aquifer Type: Well Depth: Well Hole Depth:

Ecology Well Logs Not Reported A128713 7 19-SEP-07 Decommisioning Not Reported Not Reported Not Reported

USGS-WA

19N/04E-02D01

Not Reported

Not Reported

Not Reported

Not Reported

Not Reported

Not Reported

280

WA WELLS WALOG2000378255

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 496903 Not Reported 12-SEP-07 30 PUYALLUP~ CITY OF | HWA GEOSCIENCES INC Not Reported Not Reported Not Reported 10

FED USGS USGS40001249139

USGS Washington Water Science Center Type: HUC: Drainage Area Units: Contrib Drainage Area Unts: Formation Type: Construction Date: Well Depth Units: Well Hole Depth Units:

Well 17110014 Not Reported Not Reported Not Reported 19500413 ft Not Reported

Ecology Well Logs Not Reported S029483 7 16-AUG-07 **Resource Protection** Not Reported Not Reported Not Reported

Vistance levation		Dat	tabase	EDR ID Numbe
14 SW /4 - 1/2 Mile igher		FEI	DUSGS	USGS4000124914
Organization ID:	USGS-WA			
Organization Name:	USGS Washington Water Scier	nce Center		
Monitor Location:	19N/04E-02D02	Type:	Well	
Description:	Not Reported	HUC:	1711(014
Drainage Area:	Not Reported	Drainage Area Units:		eported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:		eported
Aquifer:	Not Reported	Formation Type:		eported
Aquifer Type:	Not Reported	Construction Date:	19500	•
Well Depth:	351	Well Depth Units:	ft	101
		•		anastad
Well Hole Depth:	Not Reported	Well Hole Depth Units:	NOLK	eported
Ground water levels.Num	ber of Measurements: 1	Level reading date:	1960-	04-25
Feet below surface:	330	Feet to sea level:		eported
Note:		build affect the measured water level.		eponeu
15 NE /4 - 1/2 Mile ower			WELLS	WALOG20008627
Database:	Ecology Well Logs	5	1915495	
Well Tag #:	AEF400	, ,	Not Reporte	
Notice of Intent #:	Not Reported		Not Reporte	d
Diameter (in):	0	Casing Depth (ft): 0	D	
Well completion:	Not Reported	Well Owner:	Nelson-Crar	ne Christian School
Well Type:	Water	Driller #:	Not Reporte	d
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reporte	d
Flow Type:	Not Reported		Not Reporte	
Well Test:	Not Reported		Not Reporte	
		WA	WELLS	WALOG20000389
NE 4 - 1/2 Mile		WA	WELLS	WALOG20000389
NE 4 - 1/2 Mile ower Database:	Ecology Well Logs	Well Log ID: 4	14885	
Well Tag #:	Not Reported	Well Log ID: Project Tag #:	14885 Not Reporte	d
NE 4 - 1/2 Mile ower Database:		Well Log ID: 2 Project Tag #: 1	14885	d
NE 4 - 1/2 Mile ower Database: Well Tag #:	Not Reported	Well Log ID: 2 Project Tag #: N Date Received: N	14885 Not Reporte	d
NE 4 - 1/2 Mile ower Database: Well Tag #: Notice of Intent #:	Not Reported Not Reported	Well Log ID:2Project Tag #:NDate Received:NCasing Depth (ft):3	44885 Not Reporte Not Reporte	d d
NE 4 - 1/2 Mile ower Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion:	Not Reported Not Reported 8	Well Log ID:ZProject Tag #:MDate Received:MCasing Depth (ft):GWell Owner:M	44885 Not Reporte Not Reporte 38 C. R. JOHN	d SON
NE 4 - 1/2 Mile ower Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type:	Not Reported Not Reported 8 21-JUL-47 Water	Well Log ID:2Project Tag #:MDate Received:MCasing Depth (ft):CWell Owner:MDriller #:M	44885 Not Reporte Not Reporte 38 C. R. JOHN Not Reporte	d d SON d
NE 4 - 1/2 Mile ower Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level:	Not Reported Not Reported 8 21-JUL-47 Water Not Reported	Well Log ID:2Project Tag #:1Date Received:1Casing Depth (ft):3Well Owner:0Driller #:1Flow Rate (gpm):1	44885 Not Reporte Not Reporte 38 C. R. JOHN Not Reporte Not Reporte	d d SON d
NE 4 - 1/2 Mile over Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type:	Not Reported Not Reported 8 21-JUL-47 Water	Well Log ID:2Project Tag #:MDate Received:MCasing Depth (ft):CWell Owner:CDriller #:MFlow Rate (gpm):MPSI:M	44885 Not Reporte Not Reporte 38 C. R. JOHN Not Reporte	d d SON d

Distance Elevation			Database	EDR ID Number
F17 ENE 1/4 - 1/2 Mile Lower			WA WELLS	WALOG200050907
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs Not Reported AE12459 6 10-MAR-11 Decommisioning Not Reported Not Reported Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	714851 Not Reporte 31-MAR-11 100 WSDOT B Not Reporte Not Reporte Not Reporte 10	OART LONGYEAR d d
F18 ENE 1/4 - 1/2 Mile Lower			WA WELLS	WALOG2000509076
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs Not Reported AE12459 6 10-MAR-11 Decommisioning Not Reported Not Reported Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	714853 Not Reporte 31-MAR-11 101 WSDOT B Not Reporte Not Reporte Not Reporte 10	OART LONGYEAR d d
F19 ENE 1/4 - 1/2 Mile Lower			WA WELLS	WALOG2000509074
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs Not Reported AE12459 6 10-MAR-11 Decommisioning Not Reported Not Reported Not Reported Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	714849 Not Reporte 31-MAR-11 90 WSDOT B Not Reporte Not Reporte Not Reporte 10	OART LONGYEAR d d

ENE 1/4 - 1/2 Mile Lower

> Database: Well Tag #: Notice of Intent #: Diameter (in):

Ecology Well Logs Not Reported A064234 6 Well Log ID: Project Tag #: Date Received: Casing Depth (ft):

374752 Not Reported 16-SEP-03 95

Well completion: Well Type: Static Water Level: Flow Type: Well Test:

11-JUN-03 Decommisioning Not Reported Not Reported Not Reported

BAC427

6

W210479

24-JUN-09

Not Reported

Not Reported

Not Reported

Ecology Well Logs

Resource Protection

Not Reported

SE09315

11-APR-11

Not Reported

Not Reported

Not Reported

6

Water

Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: CARRIAGE HOUSE INC Not Reported Not Reported Not Reported 10

F21 ENE 1/4 - 1/2 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

F22 ENE 1/4 - 1/2 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

F23 ENE 1/4 - 1/2 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

Ecology Well Logs Not Reported AE12459 6 07-APR-11 Decommisioning Not Reported Not Reported Not Reported

Ecology Well Logs

WA WELLS WALOG2000453555

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 605259 Not Reported 23-SEP-09 48 GEORGE DELGADO Not Reported Not Reported Not Reported 10

WA WELLS WALOG2000544279

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 783634 Not Reported . 09-JAN-12 90 WSDOT | BOART LONGYEAR Not Reported Not Reported Not Reported 10

WA WELLS WALOG2000544280

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:

783636 Not Reported 09-JAN-12 90 WSDOT | BOART LONGYEAR Not Reported Not Reported Not Reported 10

Elevation			Database	EDR ID Number
F24 ENE 1/4 - 1/2 Mile Lower			WA WELLS	WALOG200051585
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs Not Reported AE12943 6 18-APR-11 Decommisioning Not Reported Not Reported Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	727969 Not Reporte 23-MAY-11 95 WSDOT B Not Reporte Not Reporte Not Reporte 10	OART LONGYEAR d d
F25 ENE 1/4 - 1/2 Mile Lower			WA WELLS	WALOG200051585
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs Not Reported SE09625 6 18-APR-11 Resource Protection Not Reported Not Reported Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	727971 Not Reporte 23-MAY-11 95 WSDOT B Not Reporte Not Reporte Not Reporte 10	OART LONGYEAR d d
F26 ENE 1/4 - 1/2 Mile Lower			WA WELLS	WALOG200051039
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs Not Reported AE12459 6 10-MAR-11 Decommisioning Not Reported Not Reported Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	717432 Not Reporte 31-MAR-11 101 WSDOT B Not Reporte Not Reporte Not Reporte 10	OART LONGYEAR d d

ENE 1/4 - 1/2 Mile Lower

> Database: Well Tag #: Notice of Intent #: Diameter (in):

Ecology Well Logs Not Reported SE09315 6 Well Log ID: Project Tag #: Date Received: Casing Depth (ft):

714857 Not Reported 31-MAR-11 101

Well completion: Well Type: Static Water Level: Flow Type: Well Test:

10-MAR-11 **Resource Protection** Not Reported Not Reported Not Reported

Not Reported

SE09315

10-MAR-11

Not Reported

Not Reported

Not Reported

Ecology Well Logs

Resource Protection

Not Reported

SE09315

10-MAR-11

Not Reported

Not Reported

Not Reported

6

6

Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:

WSDOT | BOART LONGYEAR Not Reported Not Reported Not Reported 10

F28 FNF 1/4 - 1/2 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

F29 ENE 1/4 - 1/2 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

F30 ENE 1/4 - 1/2 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

Ecology Well Logs Not Reported SE09315 6 10-MAR-11 **Resource Protection** Not Reported Not Reported Not Reported

Ecology Well Logs **Resource Protection**

WA WELLS WALOG2000509077

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 714855 Not Reported 31-MAR-11 101 WSDOT | BOART LONGYEAR Not Reported Not Reported Not Reported 10

WA WELLS WALOG2000509080

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 714860 Not Reported 31-MAR-11 90 WSDOT | BOART LONGYEAR Not Reported Not Reported Not Reported 10

WA WELLS WALOG2000509079

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 714858 Not Reported 31-MAR-11 100 WSDOT | BOART LONGYEAR Not Reported Not Reported Not Reported 10

Direction Distance Elevation			Database	EDR ID Number
D31 SSW 1/4 - 1/2 Mile Higher			WA WELLS	WALOG2000377859
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs Not Reported S013660 7 04-JAN-06 Resource Protection Not Reported Not Reported Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	496195 Not Reporte 28-AUG-07 11 PUYALLUP Not Reporte Not Reporte Not Reporte 10	SCHOOL DIST
D32 SSW 1/4 - 1/2 Mile Higher			WA WELLS	WALOG2000377858
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs Not Reported A085668 7 04-JAN-06 Decommisioning Not Reported Not Reported Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	496193 Not Reporte 28-AUG-07 11 PUYALLUP Not Reporte Not Reporte Not Reporte 10	SCHOOL DIST
33 East 1/4 - 1/2 Mile Higher			FED USGS	USGS40001249386
Organization ID: Organization Name: Monitor Location: Description: HUC: Drainage Area Units: Contrib Drainage Area Unts Formation Type: Construction Date: Well Depth Units: Well Hole Depth Units:	USGS-WA USGS Washington Water Science (20N/04E-35R04 WELL MAY BE DESTORYED, COU 17110014 Not Reported Not Reported 19821201 Not Reported ft	Туре:	Not R Not R Not R	Reported Reported Reported Reported Reported

G34 West 1/4 - 1/2 Mile Higher

> Database: Well Tag #:

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

WA WELLS WALOG2000665086

Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

G35 West 1/4 - 1/2 Mile Higher

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

G36 West 1/4 - 1/2 Mile Higher

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test: Ecology Well Logs Not Reported AE29425 8 31-OCT-14 Decommisioning Not Reported Not Reported Not Reported

SE54985

02-JUN-15

Dry Hole

Not Reported

Not Reported

Resource Protection

Ecology Well Logs

Resource Protection

Not Reported

SE53078

31-OCT-14

Not Reported

Not Reported

Not Reported

8

9

Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:

11-JUN-15 20.5 Stewart 2823 Not Reported Not Reported 10

WA WELLS WALOG2000638073

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 963948 Not Reported 20-NOV-14 35 Cty Of Puyallup 1815 Not Reported Not Reported 10

962266

35

3143

10

Not Reported

Cty Of Puyallup

Not Reported

Not Reported

20-NOV-14

WA WELLS WALOG2000637428

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:

G37 West 1/4 - 1/2 Mile Higher

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test: Ecology Well Logs Not Reported AE32271 9 02-JUN-15 Decommisioning Not Reported Dry Hole Not Reported

WA WELLS WALOG2000665090

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 1024531 Not Reported 11-JUN-15 21 Stewart 2823 Not Reported Not Reported 10

		Database	EDR ID Number
		WA WELLS	WALOG2000665091
Ecology Well Logs Not Reported AE32271 9 02-JUN-15 Decommisioning Not Reported Dry Hole Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	11-JUN-15 21 Stewart 2823 Not Reporte	d
		WA WELLS	WALOG2000665094
Ecology Well Logs Not Reported SE54986 9 02-JUN-15 Resource Protection Not Reported Dry Hole Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	11-JUN-15 21 Thompson C 2823 Not Reporte	Drr
		WA WELLS	WALOG2000680061
Ecology Well Logs BHL400 AE32272 2 06-JUL-15 Decommisioning 82.5 Static Level Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	05-OCT-15 95 Thompson C 3062 Not Reporte	Drr
	Not Reported AE32271 9 02-JUN-15 Decommisioning Not Reported Dry Hole Not Reported SE54986 9 02-JUN-15 Resource Protection Not Reported Dry Hole Not Reported Dry Hole Not Reported SE54986 9 02-JUN-15 Resource Protection Not Reported Dry Hole Not Reported SE54986 9 02-JUN-15 Resource Protection Not Reported Dry Hole Not Reported SE55 Static Level	Not ReportedProject Tag #: Date Received: Casing Depth (ft): U2-JUN-1502-JUN-15Well Owner: DecommisioningDate Received: DecommisioningDriller #: Flow Rate (gpm): PSI: Not ReportedDry HolePSI: Not ReportedNot ReportedProject Tag #: PSI: Not ReportedEcology Well LogsWell Log ID: Project Tag #: Date Received: 9 Casing Depth (ft): 02-JUN-15Not ReportedProject Tag #: Project Tag #: Date Received: 9 PSI: Not ReportedProject Tag #: Date Received: 9Date Received: (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Not ReportedEcology Well LogsWell Log ID: PSI: Not ReportedEcology Well LogsWell Cog ID: PSI: Not ReportedEcology Well LogsWell Cog ID: PSI: DecommisioningEcology Well LogsWell Log ID: PSI: DecomptioningEcology Well LogsWell Cog ID: PSI: Driller #: PSI:	Ecology Well Logs Well Log ID: 1024532 Not Reported Project Tag #: Not Reported AE32271 Date Received: 11-JUN-15 9 Casing Depth (ft): 21 02-JUN-15 Well Owner: Stewart Decommisioning Driller #: 2823 Not Reported Flow Rate (gpm): Not Reported Dry Hole PSI: Not Reported Not Reported Vater Reclamation #: 10 WA WELLS Ecology Well Logs Well Log ID: 1024535 Not Reported Project Tag #: Not Reported Vater Reclamation #: 10 WA WELLS Ecology Well Logs Well Log ID: 1024535 Not Reported State Separed Date Received: 11-JUN-15 21 02-JUN-15 Well Owner: Thompson C Resource Protection Driller #: 2823 Not Reported Flow Rate (gpm): Not Reported Dry Hole PSI: Not Reported Flow Rate (gpm): Not Reported Not Reported Dry Hole PSI: Not Reported Vater Reclamation #: 10

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

1024536 Not Reported 11-JUN-15 21

Well completion: Well Type: Static Water Level: Flow Type: Well Test:

02-JUN-15 Decommisioning Not Reported Dry Hole Not Reported

Ecology Well Logs

Resource Protection

Ecology Well Logs

Resource Protection

Not Reported

SE54985

02-JUN-15

Dry Hole

Not Reported

Not Reported

9

Not Reported

SE54985

02-JUN-15

Dry Hole

Not Reported

Not Reported

9

Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: Thompson Orr 2823 Not Reported Not Reported 10

G42 West 1/4 - 1/2 Mile Higher

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

G43 West 1/4 - 1/2 Mile Higher

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

G44 West 1/4 - 1/2 Mile Higher

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

Ecology Well Logs Not Reported AE32271 9 02-JUN-15 Decommisioning Not Reported Dry Hole Not Reported

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 1024530 Not Reported 11-JUN-15 21 Stewart 2823 Not Reported Not Reported 10

WA WELLS

WALOG2000665089

WA WELLS WALOG2000665088

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 1024529 Not Reported 11-JUN-15 21 Stewart 2823 Not Reported Not Reported 10

WA WELLS WALOG2000665087

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 1024528 Not Reported 11-JUN-15 20.5 Stewart 2823 Not Reported Not Reported 10

Map ID					
Direction Distance					
Elevation				Database	EDR ID Number
G45 West 1/4 - 1/2 Mile Higher				WA WELLS	WALOG2000665092
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs Not Reported SE54986 9 02-JUN-15 Resource Protection Not Reported Dry Hole Not Reported		Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1024533 Not Reporte 11-JUN-15 20.5 Thompson 0 2823 Not Reporte Not Reporte 10	Drr 9d
G46 West 1/4 - 1/2 Mile Higher				WA WELLS	WALOG2000665093
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs Not Reported AE32272 9 02-JUN-15 Decommisioning Not Reported Dry Hole Not Reported		Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1024534 Not Reporte 11-JUN-15 20.5 Thompson 0 2823 Not Reporte Not Reporte 10	Drr 9d
47 SSE 1/4 - 1/2 Mile Higher				FED USGS	USGS40001249051
Organization ID: Organization Name: Monitor Location: Description: HUC: Drainage Area Units: Contrib Drainage Area Unts Formation Type: Construction Date: Well Depth Units: Well Hole Depth Units:	17110014 Not Reported	R-34	e Center Type: /ER ELINKPEN 06/21/1999 Drainage Area: Contrib Drainage Area: Aquifer: Aquifer Type: Well Depth: Well Hole Depth:	Not R Puge	eported eported t Sound aquifer system eported
Ground water levels,Numbe Feet below surface: Note:	er of Measurements: 21.52 Not Reported	2	Level reading date: Feet to sea level:		08-25 eported
Level reading date: Feet to sea level: Note:	1996-09-17 Not Reported Other conditions e	existed that wou	Feet below surface:	22.0 level.	

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	Туре:	Well	
Description:	AKA: NE NE S02 T19N R04E W			
HUC:	17110014	Drainage Area:	Not R	eported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not R	eported
Contrib Drainage Area Unts		Aquifer:	Not R	eported
Formation Type:	Not Reported	Aquifer Type:		eported
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	WALOG20000416
Database:	Ecology Well Logs	Well Log ID:	47879	
Well Tag #:	Not Reported	Project Tag #:	Not Reporte	h
Notice of Intent #:	Not Reported	Date Received:	Not Reporte	
Diameter (in):	7	Casing Depth (ft):	46	-
Well completion:	11-OCT-52	Well Owner:	HENRY LEI	_AND
Well Type:	Water	Driller #:	Not Reporte	
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reporte	
Flow Type:	Not Reported	PSI:	Not Reporte	
Well Test:	Not Reported	Water Reclamation #:	10	
50 SE I/4 - 1/2 Mile Higher			WA WELLS	WALOG20001804
Database:	Ecology Well Logs	Well Log ID:	231589	
Well Tag #:	ABS366	Project Tag #:	Not Reporte	ed
Notice of Intent #:	R008506	Date Received:	Not Reporte	
Diameter (in):	Not Reported	Casing Depth (ft):	Not Reporte	
Well completion:	Not Reported	Well Owner:	•	UND NAWQA
Well Type:	Resource Protection	Driller #:	Not Reporte	
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reporte	
		PSI:	Not Reporte	
Flow Type:	Not Reported	101.	Not Reporte	a di

H51 WNW 1/4 - 1/2 Mile Lower

> Database: Source #:

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

WA120000020594

WA WELLS

Source Status: Source Use: Date Source Inactive: Well Depth: System Name: System Type: **Total Population Served: PWS Status:** DOE Well Tag: Influenced by Droughts: Influenced by Surface Water:

H52 WNW

1/4 - 1/2 Mile Lower

> Database: Source #:

Source Status:

Date Source Inactive:

Total Population Served:

Influenced by Droughts:

Influenced by Surface Water:

Source Use:

Well Depth:

System Name:

System Type:

PWS Status:

DOE Well Tag:

03/01/1989 0 NEWHAVEN W SYSTEM TNC 94 Inactive Not Reported Not Reported υ

Water Wells

Inactive

Permanent

03/01/1989

NEWHAVEN W SYSTEM

02

0

TNC

Inactive

Not Reported

Not Reported

94

U

Inactive

Permanent

Source Type: Date Source Effective: Water Resource Inventory Area: Source Susceptibility: Public Water System Group: Full Time Res Pop: **Total Connections:** Residential Connection: Capacity (gpm): Influenced by Flooding:

Ground Water - Spring 01/01/1970 Puyallup-White Not Reported A 0 1 0 65000 Not Reported

WA WELLS WA120000020595

PWS ID: Source Name: Source Type: Date Source Effective: Water Resource Inventory Area: Puyallup-White Source Susceptibility: Public Water System Group: Full Time Res Pop: Total Connections: Residential Connection: Capacity (gpm): Influenced by Flooding:

59300 **SPRING 2** Ground Water - Spring 01/01/1970 Not Reported A 0 1 0 65000

Not Reported

l53 WSW 1/4 - 1/2 Mile Higher				FED US	GS	USGS40001249067
Organization ID:	USGS-WA					
Organization Name:	USGS Washington Water	Science Ce	nter			
Monitor Location:	19N/04E-03A01D1		Type:		Well	
Description:	GWSI DATABASE AUGM	ENTATION	SITE			
HUC	17110014		Drainage Area:		Not Re	ported
Drainage Area Units:	Not Reported		Contrib Drainage Area:		Not Re	
Contrib Drainage Area Unts:	Not Reported		Aquifer:		Not Re	ported
Formation Type:	Unclassified Overburden		Aquifer Type:		Not Re	
Construction Date:	19911202		Well Depth:		740	
Well Depth Units:	ft		Well Hole Depth:		847	
Well Hole Depth Units:	ft					
Ground water levels,Number of M	Aeasurements: 3	3	Level reading date:		1995-08	8-25
Feet below surface:	400		Feet to sea level:		Not Re	ported
Note:	Not Reported					
Level reading date:	1995-07-05		Feet below surface:		Not Re	ported
Feet to sea level:	Not Reported		Note:		The site	e was being pumped.
Level reading date:	1991-12-02		Feet below surface:		355	
Feet to sea level:	Not Reported		Note:		Not Re	ported

levation 54				abase	EDR ID Number
ast /2 - 1 Mile			FEL	USGS	USGS40001249399
ower					
Organization ID: Organization Name:	USGS-WA USGS Washington Wa	ater Science Ce	nter		
Monitor Location:	20N/04E-35J02		Туре:	Well	
Description:	Not Reported		HUC:	17110	014
Drainage Area:	Not Reported		Drainage Area Units:		eported
Contrib Drainage Area:	Not Reported		Contrib Drainage Area Unts:		eported
Aquifer:	Not Reported		Formation Type:	Not Re 19530	eported
Aquifer Type: Well Depth:	Not Reported 195		Construction Date: Well Depth Units:	19530 ft	001
Well Hole Depth:	Not Reported		Well Hole Depth Units:		eported
	(M		Level as a discussion	4000	
Ground water levels,Number o Feet below surface:	100	1	Level reading date: Feet to sea level:	1960-(eported
Note:	Not Reported		Teer to sea level.	Notite	eponed
55 ast /2 - 1 Mile			FED	USGS	USGS40001249385
ower					
Organization ID:	USGS-WA				
Organization Name:	USGS Washington Wa	ater Science Ce	nter		
Monitor Location:	20N/04E-35R03				
Type:	Well: Test hole not cor	•			
Description: Drainage Area:	WELL AT KAELIN TR	EE FARM	HUC: Drainage Area Units:	17110 Not P	eported
Contrib Drainage Area:	Not Reported		Contrib Drainage Area Unts:		eported
Aquifer:	Not Reported		Formation Type:		eported
Aquifer Type:	Not Reported		Construction Date:	19821	
Well Depth:	23		Well Depth Units:	ft	
Well Hole Depth:	23.5		Well Hole Depth Units:	ft	
Ground water levels,Number o	f Measurements:	1	Level reading date:	1995-(06-15
Feet below surface:	5.78		Feet to sea level:	Not Re	eported
Note:	Not Reported				
56 SE /2 - 1 Mile			WA	WELLS	WA120000025940
ligher					
Database:	Water Wells		PWS ID:	70050	
Source #:	05		Source Name:		#33 (23RD AVE SE) ACA52
Source Status:	Active		Source Type:		d Water - Well
Source Use:	Permanent		Date Source Effective:	01/01/	
Date Source Inactive:	Not Reported 740		Water Resource Inventory Are	ea: Puyall M	up-White
Well Depth: System Name:	PUYALLUP CITY OF		Source Susceptibility: Public Water System Group:	A	
System Type:	Comm		Full Time Res Pop:	36326	
	36326		Total Connections:	15537	
Total Population Served:					

DOE Well Tag: Influenced by Droughts: Influenced by Surface Water:	Not Reported N U	Capacity (gpm): Influenced by Flooding:	150 N	
7 INE /2 - 1 Mile ower		FED	USGS	USGS40001249684
Organization ID:	USGS-WA			
Organization Name:	USGS Washington Water Science Ce	enter		
Monitor Location:	20N/04E-35L01	Type:	Well	
Description:	Not Reported	HUC:	171100)14
Drainage Area:	Not Reported	Drainage Area Units:	Not Re	ported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Re	
Aquifer:	Not Reported	Formation Type:	Not Re	
Aquifer Type:	Not Reported	Construction Date:	194707	
Well Depth:	38	Well Depth Units:	ft	
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Re	ported
One was designed as the block of the block o	Maaannaata	Level we dive state	40.47 0	7.04
Ground water levels,Number of		Level reading date: Feet to sea level:	1947-0	
Feet below surface: Note:	Not Reported The site was flowing, but the head co		Not Re	
58				
58 ast /2 - 1 Mile ower		FED	USGS	USGS40001249354
ast /2 - 1 Mile ower	USGS-WA	FED	USGS	USGS40001249354
ast /2 - 1 Mile			USGS	USGS40001249354
ast /2 - 1 Mile ower Organization ID:	USGS-WA USGS Washington Water Science Ce 20N/04E-35R01		USGS Well	USGS40001249354
ast /2 - 1 Mile ower Organization ID: Organization Name:	USGS Washington Water Science Ce	enter		
ast /2 - 1 Mile ower Organization ID: Organization Name: Monitor Location:	USGS Washington Water Science Ce 20N/04E-35R01	enter Type:	Well	014
ast /2 - 1 Mile ower Organization ID: Organization Name: Monitor Location: Description:	USGS Washington Water Science Ce 20N/04E-35R01 Not Reported	enter Type: HUC:	Well 171100	014 ported
ast /2 - 1 Mile ower Organization ID: Organization Name: Monitor Location: Description: Drainage Area:	USGS Washington Water Science Ce 20N/04E-35R01 Not Reported Not Reported	enter Type: HUC: Drainage Area Units:	Well 171100 Not Re	014 ported ported
Ast /2 - 1 Mile ower Organization ID: Organization Name: Monitor Location: Description: Drainage Area: Contrib Drainage Area:	USGS Washington Water Science Ce 20N/04E-35R01 Not Reported Not Reported Not Reported	enter Type: HUC: Drainage Area Units: Contrib Drainage Area Unts:	Well 17110 Not Re Not Re)14 ported ported ported
ast /2 - 1 Mile ower Organization ID: Organization Name: Monitor Location: Description: Drainage Area: Contrib Drainage Area: Aquifer:	USGS Washington Water Science Ce 20N/04E-35R01 Not Reported Not Reported Not Reported Not Reported Not Reported	enter Type: HUC: Drainage Area Units: Contrib Drainage Area Unts: Formation Type:	Well 171100 Not Re Not Re Not Re)14 ported ported ported
Ast /2 - 1 Mile ower Organization ID: Organization Name: Monitor Location: Description: Drainage Area: Contrib Drainage Area: Aquifer: Aquifer Type:	USGS Washington Water Science Ce 20N/04E-35R01 Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported	enter Type: HUC: Drainage Area Units: Contrib Drainage Area Unts: Formation Type: Construction Date:	Well 171100 Not Re Not Re Not Re 19570)14 ported ported ported
Ast /2 - 1 Mile ower Organization ID: Organization Name: Monitor Location: Description: Drainage Area: Contrib Drainage Area: Aquifer: Aquifer Type: Well Depth: Well Hole Depth:	USGS Washington Water Science Ce 20N/04E-35R01 Not Reported Not Reported Not Reported Not Reported Not Reported 288 288	enter Type: HUC: Drainage Area Units: Contrib Drainage Area Unts: Formation Type: Construction Date: Well Depth Units: Well Hole Depth Units:	Well 171100 Not Re Not Re 19570 ft	014 ported ported ported 101
Ast /2 - 1 Mile ower Organization ID: Organization Name: Monitor Location: Description: Drainage Area: Contrib Drainage Area: Aquifer: Aquifer Type: Well Depth:	USGS Washington Water Science Ce 20N/04E-35R01 Not Reported Not Reported Not Reported Not Reported Not Reported 288 288	enter Type: HUC: Drainage Area Units: Contrib Drainage Area Unts: Formation Type: Construction Date: Well Depth Units:	Well 171100 Not Re Not Re 195707 ft ft	ported ported ported 101 4-18
ast 2 - 1 Mile ower Organization ID: Organization Name: Monitor Location: Description: Drainage Area: Contrib Drainage Area: Aquifer: Aquifer Type: Well Depth: Well Hole Depth: Ground water levels,Number of	USGS Washington Water Science Ce 20N/04E-35R01 Not Reported Not Reported Not Reported Not Reported 288 288 Measurements: 1	enter Type: HUC: Drainage Area Units: Contrib Drainage Area Unts: Formation Type: Construction Date: Well Depth Units: Well Hole Depth Units: Level reading date:	Well 171100 Not Re Not Re 195707 ft ft 1960-0	014 ported ported ported 101 4-18
Ast /2 - 1 Mile ower Organization ID: Organization Name: Monitor Location: Description: Drainage Area: Contrib Drainage Area: Aquifer: Aquifer Type: Well Depth: Well Depth: Well Hole Depth: Ground water levels,Number of Feet below surface: Note:	USGS Washington Water Science Ce 20N/04E-35R01 Not Reported Not Reported Not Reported Not Reported 288 288 Measurements: 1 218	enter Type: HUC: Drainage Area Units: Contrib Drainage Area Unts: Formation Type: Construction Date: Well Depth Units: Well Hole Depth Units: Level reading date: Feet to sea level:	Well 171100 Not Re Not Re 195707 ft ft 1960-0 Not Re	014 ported ported 01 4-18 ported
Ast /2 - 1 Mile ower Organization ID: Organization Name: Monitor Location: Description: Drainage Area: Contrib Drainage Area: Aquifer: Aquifer Type: Well Depth: Well Depth: Well Hole Depth: Ground water levels,Number of Feet below surface: Note:	USGS Washington Water Science Ce 20N/04E-35R01 Not Reported Not Reported Not Reported Not Reported 288 288 Measurements: 1 218	enter Type: HUC: Drainage Area Units: Contrib Drainage Area Unts: Formation Type: Construction Date: Well Depth Units: Well Hole Depth Units: Level reading date: Feet to sea level:	Well 171100 Not Re Not Re 195707 ft ft 1960-0	014 ported ported 01 4-18 ported
Ast /2 - 1 Mile ower Organization ID: Organization Name: Monitor Location: Description: Drainage Area: Contrib Drainage Area: Aquifer: Aquifer Type: Well Depth: Well Depth: Well Hole Depth: Ground water levels,Number of Feet below surface: Note: SE /2 - 1 Mile	USGS Washington Water Science Ce 20N/04E-35R01 Not Reported Not Reported Not Reported Not Reported 288 288 Measurements: 1 218	enter Type: HUC: Drainage Area Units: Contrib Drainage Area Unts: Formation Type: Construction Date: Well Depth Units: Well Hole Depth Units: Level reading date: Feet to sea level:	Well 171100 Not Re Not Re 195707 ft ft 1960-0 Not Re	014 ported ported 01 4-18 ported
Ast /2 - 1 Mile ower Organization ID: Organization Name: Monitor Location: Description: Drainage Area: Contrib Drainage Area: Aquifer: Aquifer Type: Well Depth: Well Depth: Well Hole Depth: Ground water levels,Number of Feet below surface: Note: 59 SE /2 - 1 Mile ligher	USGS Washington Water Science Ce 20N/04E-35R01 Not Reported Not Reported Not Reported Not Reported 288 288 Measurements: 1 218 Not Reported USGS-WA	enter Type: HUC: Drainage Area Units: Contrib Drainage Area Unts: Formation Type: Construction Date: Well Depth Units: Well Hole Depth Units: Level reading date: Feet to sea level: FED	Well 171100 Not Re Not Re 195707 ft ft 1960-0 Not Re	014 ported ported 01 4-18 ported
Ast /2 - 1 Mile ower Organization ID: Organization Name: Monitor Location: Description: Drainage Area: Contrib Drainage Area: Aquifer: Aquifer Type: Well Depth: Well Depth: Well Hole Depth: Ground water levels,Number of Feet below surface: Note: 59 SE /2 - 1 Mile ligher Organization ID:	USGS Washington Water Science Ce 20N/04E-35R01 Not Reported Not Reported Not Reported Not Reported 288 288 Measurements: 1 218 Not Reported	enter Type: HUC: Drainage Area Units: Contrib Drainage Area Unts: Formation Type: Construction Date: Well Depth Units: Well Hole Depth Units: Level reading date: Feet to sea level: Feet to sea level:	Well 171100 Not Re Not Re 195707 ft ft 1960-0 Not Re	014 ported ported 01 4-18 ported
Ast /2 - 1 Mile ower Organization ID: Organization Name: Monitor Location: Description: Drainage Area: Contrib Drainage Area: Aquifer: Aquifer Type: Well Depth: Well Depth: Well Hole Depth: Ground water levels,Number of Feet below surface: Note: 59 SE /2 - 1 Mile ligher Organization ID: Organization Name:	USGS Washington Water Science Ce 20N/04E-35R01 Not Reported Not Reported Not Reported Not Reported 288 288 Measurements: 1 218 Not Reported USGS-WA USGS-WA	enter Type: HUC: Drainage Area Units: Contrib Drainage Area Unts: Formation Type: Construction Date: Well Depth Units: Well Hole Depth Units: Level reading date: Feet to sea level: Feet to sea level: FED enter Type:	Well 171100 Not Re Not Re 195707 ft ft 1960-0 Not Re	014 ported ported 01 4-18 ported
Ast /2 - 1 Mile ower Organization ID: Organization Name: Monitor Location: Description: Drainage Area: Contrib Drainage Area: Aquifer: Aquifer Type: Well Depth: Well Depth: Well Hole Depth: Ground water levels,Number of Feet below surface: Note: 59 SE /2 - 1 Mile ligher Organization ID: Organization Name: Monitor Location:	USGS Washington Water Science Ce 20N/04E-35R01 Not Reported Not Reported Not Reported Not Reported 288 288 Measurements: 1 218 Not Reported USGS-WA USGS-WA USGS Washington Water Science Ce 19N/04E-02F01	enter Type: HUC: Drainage Area Units: Contrib Drainage Area Unts: Formation Type: Construction Date: Well Depth Units: Well Hole Depth Units: Level reading date: Feet to sea level: Feet to sea level: FED enter Type:	Well 171100 Not Re Not Re 195707 ft ft 1960-0 Not Re	014 ported ported 01 4-18 ported USGS40001248931
Ast /2 - 1 Mile ower Organization ID: Organization Name: Monitor Location: Description: Drainage Area: Contrib Drainage Area: Aquifer: Aquifer Type: Well Depth: Well Depth: Well Hole Depth: Ground water levels,Number of Feet below surface: Note: 559 SE /2 - 1 Mile ligher Organization ID: Organization Name: Monitor Location: Description:	USGS Washington Water Science Ce 20N/04E-35R01 Not Reported Not Reported Not Reported Not Reported 288 288 Measurements: 1 218 Not Reported USGS-WA USGS-WA USGS Washington Water Science Ce 19N/04E-02F01 GWSI DATABASE AUGMENTATION	enter Type: HUC: Drainage Area Units: Contrib Drainage Area Unts: Formation Type: Construction Date: Well Depth Units: Well Hole Depth Units: Level reading date: Feet to sea level: Feet to sea level: FED enter Type: I SITE	Well 171100 Not Re Not Re 195707 ft ft 1960-0 Not Re USGS Well	014 ported ported 101 4-18 ported USGS40001248931

Formation Type: Construction Date: Well Depth Units: Well Hole Depth Units:	Unclassified Overbu 19910128 ft ft	ırden	Aquifer Type: Well Depth: Well Hole Depth:	Not Reported 623 624
Ground water levels,Numbe		2	Level reading date:	1995-07-05
Feet below surface: Note:	322 Not Reported		Feet to sea level:	Not Reported
Level reading date:	1991-05-13		Feet below surface:	301
Feet to sea level:	Not Reported		Note:	Not Reported

160 WSW

Higher

1/2 - 1 Mile Water Wells PWS ID: Database: 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 Water Resource Inventory Area: Puyallup-White Date Source Inactive: Not Reported Well Depth: Source Susceptibility: 623 L System Name: PUYALLUP CITY OF Public Water System Group: А System Type: Comm Full Time Res Pop: 36326 **Total Population Served: Total Connections:** 15537 36326 **PWS Status:** Active **Residential Connection:** 14559 250 DOE Well Tag: Not Reported Capacity (gpm): Influenced by Droughts: Influenced by Flooding: Ν Ν Influenced by Surface Water: υ

M61 NE 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

9

Not Reported

Not Reported

M62 NE 1/2 - 1 Mile Lower

> Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion:

Ecology Well Logs Not Reported Not Reported 9 Not Reported

Ecology Well Logs Not Reported Not Reported Not Reported **Resource Protection** Not Reported

WA WELLS WALOG2000205597

WA WELLS

WA120000025942

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:

Well Log ID:

Well Owner:

Project Tag #:

Date Received: Casing Depth (ft): 276998 Not Reported Not Reported Not Reported SEWER LINE Not Reported Not Reported Not Reported 10

WA WELLS WALOG2000205596

276997 Not Reported Not Reported Not Reported

TC7214049.2s Page A-43

SEWER LINE

Well Type: Static Water Level: Flow Type: Well Test: Resource Protection Not Reported Not Reported Not Reported

Ecology Well Logs

Resource Protection

Ecology Well Logs

Resource Protection

Not Reported

Not Reported

Not Reported

Not Reported

Not Reported

Not Reported

9

Not Reported

Not Reported

Not Reported

Not Reported

Not Reported

Not Reported

9

Driller #: Flow Rate (gpm): PSI: Water Reclamation #: Not Reported Not Reported Not Reported 10

WA WELLS WAL

277001

Not Reported

Not Reported

Not Reported

SEWER LINE

Not Reported

Not Reported

Not Reported

10

WALOG2000205600

M63 NE 1/2 - 1 Mile Lower

> Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

M64 NE 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

M65 NE 1/2 - 1 Mile Lower

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

Well Log ID:

WA WELLS

WALOG2000205601

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 277002 Not Reported Not Reported SEWER LINE Not Reported Not Reported Not Reported 10

WA WELLS WALOG2000205598

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 276999 Not Reported Not Reported SEWER LINE Not Reported Not Reported Not Reported 10

10

ELLS WALUG20002055

TC7214049.2s Page A-44

Map ID Direction					
Distance Elevation				Database	EDR ID Number
M66 NE 1/2 - 1 Mile Lower				WA WELLS	WALOG2000205599
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs Not Reported 9 Not Reported Resource Protection Not Reported Not Reported Not Reported Not Reported		Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	277000 Not Reporte Not Reporte SEWER LIN Not Reporte Not Reporte Not Reporte 10	ed ed NE ed ed
M67 NNE 1/2 - 1 Mile Lower				FED USGS	USGS40001249658
Organization ID: Organization Name: Monitor Location: Type: Description: Drainage Area: Contrib Drainage Area: Aquifer: Aquifer: Aquifer Type: Well Depth: Well Hole Depth:	USGS-WA USGS Washington 20N/04E-35H01 Well: Test hole no Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported 12			nts: Not R Not R 1982	Reported Reported Reported
68 NNW 1/2 - 1 Mile Lower				FED USGS	USGS40001249628
Organization ID: Organization Name: Monitor Location: Description: Drainage Area: Contrib Drainage Area: Aquifer: Aquifer Type: Well Depth: Well Hole Depth:	USGS-WA USGS Washington 20N/04E-35E01 Not Reported Not Reported Not Reported Not Reported Not Reported 46 46	n Water Scienc	e Center Type: HUC: Drainage Area Units: Contrib Drainage Area Un Formation Type: Construction Date: Well Depth Units: Well Hole Depth Units:	its: Not R	Reported Reported Reported
Ground water levels,Numbe Feet below surface: Note:	er of Measurements: 1.50 Not Reported	28	Level reading date: Feet to sea level:		-05-13 Reported
Level reading date: Feet to sea level:	1997-03-11 Not Reported		Feet below surface: Note:	0.62 Not R	Reported

Level reading date:	
Feet to sea level:	

Level reading date: Feet to sea level:

1997-01-13
Not Reported

1996-11-21 Not Reported

1996-09-16 Not Reported

1996-07-17 Not Reported

1996-05-15 Not Reported

1996-03-04 Not Reported

1996-01-12 Not Reported

1995-11-20 Not Reported

> 1995-09-07 Not Reported

1995-07-20 Not Reported

1995-05-31 Not Reported

1985-10-29 Not Reported

1985-10-08 Not Reported

1985-09-25 Not Reported

1985-09-10 Not Reported

1985-08-27 Not Reported

1985-08-13 Not Reported

1985-07-30 Not Reported

1985-07-16 Not Reported

1985-07-09 Not Reported

1985-07-02 Not Reported Feet below surface: Note: Feet below surface:

Note: Feet below surface:

Note:

Feet below surface: Note:

Feet below surface: Note:

Feet below surface: Note:

Feet below surface: Note:

Feet below surface: Note:

Feet below surface: Note:

Feet below surface: Note:

Feet below surface: Note:

Feet below surface: Note:

Feet below surface: Note:

Feet below surface: Note:

Feet below surface: Note:

Feet below surface: Note:

Feet below surface: Note:

Feet below surface: Note:

Feet below surface: Note:

Feet below surface: Note:

Feet below surface: Note: 1.05 Not Reported

1.10 Not Reported

3.28 Not Reported

3.89 Not Reported

1.04 Not Reported

1.12 Not Reported

1.50 Not Reported

1.90 Not Reported

3.95 Not Reported

3.68 Not Reported

2.90 Not Reported

1.41 Not Reported

2.76 Not Reported

2.82 Not Reported

2.69 Not Reported

3.13 Not Reported

2.83 Not Reported

2.94 Not Reported

2.62 Not Reported

2.77 Not Reported

2.53 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

FED USGS USGS40001249441

ENE 1/2 - 1 Mile Lower			FI	ED USGS	USGS400012
Organization ID:	USGS-WA				
Organization Name:	USGS Washington	Water Scienc	e Center		
Monitor Location:	20N/04E-35J01		Type:	Well	
Description:	Not Reported		HUC:	1711	0014
Drainage Area:	Not Reported		Drainage Area Units:	Not F	Reported
Contrib Drainage Area:	Not Reported		Contrib Drainage Area Unts	: Not F	Reported
Aquifer:	Not Reported		Formation Type:	Not F	Reported
Aquifer Type:	Not Reported		Construction Date:	1953	0501
Well Depth:	Not Reported		Well Depth Units:	Not F	Reported
Well Hole Depth:	Not Reported		Well Hole Depth Units:	Not F	Reported
Ground water levels,Number	of Measurements:	1	Level reading date:	1953	-05-01
Feet below surface:	23		Feet to sea level:	Not F	Reported
Note:	Not Reported				

L70 East 1/2 - 1 Mile Lower

N69 ENE

> Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

Ecology Well Logs Not Reported Not Reported 6 07-MAY-79 Water Not Reported Not Reported Not Reported

WA WELLS WALOG2000043083

WALOG2000039357

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 49493 Not Reported Not Reported 218 KERMIT ZIEMKE Not Reported Not Reported Not Reported 10

L71 East 1/2 - 1 Mile Lower

> Database: Well Tag #:

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

WA WELLS

TC7214049.2s Page A-47

Notice of Intent #:
Diameter (in):
Well completion:
Well Type:
Static Water Level:
Flow Type:
Well Test:

W065383 6 10-JUL-96 Water Not Reported Not Reported Not Reported Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: Not Reported 400 CJ CORTEST 0097 Not Reported Not Reported 10

2 NE 2 - 1 Mile ower			FED	USGS USGS400	0124951
Organization ID:	USGS-WA				
Organization Name:	USGS Washington Wat	ter Science C	enter		
Monitor Location:	20N/04E-35J04		Туре:	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,Numbe	r of Measurements:	1	Level reading date:	1976-08-10	
Feet below surface:	59		Feet to sea level:	Not Reported	
Feet below surface.					
Note:	Not Reported				
	Not Reported		FED	USGS USGS400	012494
Note: 73 NE /2 - 1 Mile	Not Reported		FED	USGS USGS400	012494
Note: 73 NE 2 - 1 Mile ower Organization ID: Organization Name:		ter Science C		USGS USGS400	012494
Note: 73 NE 12 - 1 Mile ower Organization ID:	USGS-WA	ter Science C		USGS USGS400	012494
Note: 73 NE 2 - 1 Mile ower Organization ID: Organization Name:	USGS-WA USGS Washington Wat	ter Science C	enter	Well 17110014	012494
Note: 73 NE 2 - 1 Mile ower Organization ID: Organization Name: Monitor Location: Description: Drainage Area:	USGS-WA USGS Washington Wat 20N/04E-35J05 Not Reported Not Reported	ter Science C	enter Type: HUC: Drainage Area Units:	Well 17110014 Not Reported	012494
Note: 73 NE 2 - 1 Mile ower Organization ID: Organization Name: Monitor Location: Description: Drainage Area: Contrib Drainage Area:	USGS-WA USGS Washington Wat 20N/04E-35J05 Not Reported Not Reported Not Reported Not Reported	ter Science C	enter Type: HUC: Drainage Area Units: Contrib Drainage Area Unts:	Well 17110014 Not Reported Not Reported	012494
Note: 73 NE 2 - 1 Mile ower Organization ID: Organization Name: Monitor Location: Description: Drainage Area: Contrib Drainage Area: Aquifer:	USGS-WA USGS Washington Wat 20N/04E-35J05 Not Reported Not Reported Not Reported Not Reported Not Reported	ter Science C	Center Type: HUC: Drainage Area Units: Contrib Drainage Area Unts: Formation Type:	Well 17110014 Not Reported Not Reported Not Reported	012494
Note: 73 NE 2 - 1 Mile ower Organization ID: Organization Name: Monitor Location: Description: Drainage Area: Contrib Drainage Area: Aquifer: Aquifer Type:	USGS-WA USGS Washington Wat 20N/04E-35J05 Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported	ter Science C	Center Type: HUC: Drainage Area Units: Contrib Drainage Area Unts: Formation Type: Construction Date:	Well 17110014 Not Reported Not Reported Not Reported 19800619	012494
Note: 73 NE 2 - 1 Mile ower Organization ID: Organization Name: Monitor Location: Description: Drainage Area: Contrib Drainage Area: Aquifer: Aquifer Type: Well Depth:	USGS-WA USGS Washington Wat 20N/04E-35J05 Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported 258	ter Science C	Center Type: HUC: Drainage Area Units: Contrib Drainage Area Unts: Formation Type: Construction Date: Well Depth Units:	Well 17110014 Not Reported Not Reported Not Reported 19800619 ft	012494
Note: 73 NE 2 - 1 Mile ower Organization ID: Organization Name: Monitor Location: Description: Drainage Area: Contrib Drainage Area: Aquifer: Aquifer Type:	USGS-WA USGS Washington Wat 20N/04E-35J05 Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported	ter Science C	Center Type: HUC: Drainage Area Units: Contrib Drainage Area Unts: Formation Type: Construction Date:	Well 17110014 Not Reported Not Reported Not Reported 19800619	012494
Note: 73 NE 2 - 1 Mile ower Organization ID: Organization Name: Monitor Location: Description: Drainage Area: Contrib Drainage Area: Aquifer: Aquifer Type: Well Depth:	USGS-WA USGS Washington Wat 20N/04E-35J05 Not Reported Not Reported Not Reported Not Reported Not Reported 258 260	ter Science C	Center Type: HUC: Drainage Area Units: Contrib Drainage Area Unts: Formation Type: Construction Date: Well Depth Units:	Well 17110014 Not Reported Not Reported Not Reported 19800619 ft	012494
Note: 73 NE 2 - 1 Mile ower Organization ID: Organization Name: Monitor Location: Description: Drainage Area: Contrib Drainage Area: Aquifer: Aquifer Type: Well Depth: Well Hole Depth:	USGS-WA USGS Washington Wat 20N/04E-35J05 Not Reported Not Reported Not Reported Not Reported Not Reported 258 260		Center Type: HUC: Drainage Area Units: Contrib Drainage Area Unts: Formation Type: Construction Date: Well Depth Units: Well Hole Depth Units:	Well 17110014 Not Reported Not Reported 19800619 ft ft	012494

N74 ENE 1/2 - 1 Mile Lower

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

WALOG2000040718

WA WELLS

Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test: 6

19-JUN-80

Not Reported

Not Reported

Not Reported

Ecology Well Logs

Not Reported

Not Reported

Not Reported

Not Reported

Not Reported

17-JUN-76

Water

6

Water

N75 ENE 1/2 - 1 Mile Lower

- Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:
- N76 ENE 1/2 - 1 Mile

Lower

- Database: Source #: Source Status: Source Use: Date Source Inactive: Well Depth: System Name: System Type: Total Population Served: PWS Status: DOE Well Tag: Influenced by Droughts: Influenced by Surface Water:
- Water Wells 01 Inactive Permanent 02/04/1998 175 PETERSON WATER SYSTEM GRPB 5 Inactive Not Reported Not Reported U

Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:

Well Log ID:

Well Owner:

Driller #:

PSI:

Project Tag #:

Date Received:

Casing Depth (ft):

Flow Rate (gpm):

Water Reclamation #:

258 FLOYD KENNEDY Not Reported Not Reported Not Reported 10

WA WELLS WALOG2000039261

45206 Not Reported Not Reported 111 CHRIS BARRY Not Reported Not Reported

Not Reported

10

WA WELLS WA120000002012

PWS ID: 11919 Source Name: WELL Ground Water - Well Source Type: Date Source Effective: 01/01/1970 Water Resource Inventory Area: Puyallup-White Source Susceptibility: Not Reported Public Water System Group: В Full Time Res Pop: 5 **Total Connections:** 2 **Residential Connection:** 2 Capacity (gpm): 18 Influenced by Flooding: Not Reported

77 SW 1/2 - 1 Mile Higher

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

FED USGS

USGS40001249066

ft

ft

Well

17110014

Not Reported

Not Reported

Not Reported

19640109

Ground water levels,Number Feet below surface: Note:	350	Level reading date: Feet to sea level: hat would affect the measured water	Not R	-01-09 Reported	
78 NE /2 - 1 Mile ower			FED USGS	USGS4000124945	
Organization ID:	USGS-WA				
Organization Name:	USGS Washington Water	Science Center			
Monitor Location:	20N/04E-35J03	Type:	Well		
Description:	Not Reported	HUC:	1711	0014	
Drainage Area:	Not Reported	Drainage Area Units:			
Contrib Drainage Area:	Not Reported	Contrib Drainage Area		Not Reported Not Reported	
Aquifer:	Not Reported	Formation Type:		Reported	
Aquifer Type:	Not Reported	Construction Date:	1941		
Well Depth:	85	Well Depth Units:	ft	0101	
Well Hole Depth:	85	Well Hole Depth Units:			
Ground water levels,Number Feet below surface:	of Measurements:	1 Level reading date: Feet to sea level:		-05-16 Reported	
Note:	Not Reported				
9 ast 12 - 1 Mile ower	11000 11/4		FED USGS	USGS4000124928	
ast /2 - 1 Mile	USGS-WA USGS Washington Water 20N/04E-35R02 Not Reported Not Reported Not Reported Not Reported 218 220	Science Center Type: HUC: Drainage Area Units: Contrib Drainage Area Formation Type: Construction Date: Well Depth Units: Well Hole Depth Units:	Well 1711 Not R Unts: Not R Not R 1979 ft	Reported Reported Reported	
Ast 2 - 1 Mile ower Organization ID: Organization Name: Monitor Location: Description: Drainage Area: Contrib Drainage Area: Aquifer: Aquifer Type: Well Depth: Well Hole Depth: Well Hole Depth: 0 W 2 - 1 Mile ower	USGS Washington Water 20N/04E-35R02 Not Reported Not Reported Not Reported Not Reported 218 220	Type: HUC: Drainage Area Units: Contrib Drainage Area Formation Type: Construction Date: Well Depth Units:	Well 1711 Not R Unts: Not R Not R 1979 ft	0014 Reported Reported Reported	
Ast 2 - 1 Mile ower Organization ID: Organization Name: Monitor Location: Description: Drainage Area: Contrib Drainage Area: Aquifer: Aquifer Type: Well Depth: Well Hole Depth: Well Hole Depth: Well Hole Depth: Ower Organization ID:	USGS Washington Water 20N/04E-35R02 Not Reported Not Reported Not Reported Not Reported 218 220	Type: HUC: Drainage Area Units: Contrib Drainage Area Formation Type: Construction Date: Well Depth Units: Well Hole Depth Units:	Well 1711 Not R Unts: Not R Not R 1979 ft ft	0014 eported eported o504	
Ast 2 - 1 Mile Drainage Area: Conganization Name: Monitor Location: Description: Drainage Area: Contrib Drainage Area: Aquifer: Aquifer Type: Well Depth: Well Hole Depth: Well Hole Depth: Well Hole Depth: Organization ID: Organization ID: Organization Name:	USGS Washington Water 20N/04E-35R02 Not Reported Not Reported Not Reported Not Reported 218 220	Type: HUC: Drainage Area Units: Contrib Drainage Area Formation Type: Construction Date: Well Depth Units: Well Hole Depth Units: Science Center	Well 1711 Not F Unts: Not F Not F 1979 ft ft ft	0014 eported eported 0504	
Ast 2 - 1 Mile Dwer Organization ID: Organization Name: Monitor Location: Description: Drainage Area: Contrib Drainage Area: Aquifer: Aquifer Type: Well Depth: Well Hole Depth: Well Hole Depth: Well Hole Depth: Organization ID: Organization ID: Organization Name: Monitor Location:	USGS Washington Water 20N/04E-35R02 Not Reported Not Reported Not Reported Not Reported 218 220 USGS-WA USGS Washington Water 20N/04E-34H01	Type: HUC: Drainage Area Units: Contrib Drainage Area Formation Type: Construction Date: Well Depth Units: Well Hole Depth Units: Science Center Type:	Well 1711 Not R Unts: Not R Not R 1979 ft ft FED USGS Well	0014 Reported Reported 0504 USGS4000124959	
Ast 2 - 1 Mile Diver Organization ID: Organization Name: Monitor Location: Description: Drainage Area: Contrib Drainage Area: Aquifer: Aquifer Type: Well Depth: Well Hole Depth: Well Hole Depth: Well Hole Depth: Organization ID: Organization ID: Organization Name: Monitor Location: Description:	USGS Washington Water 20N/04E-35R02 Not Reported Not Reported Not Reported Not Reported 218 220 USGS-WA USGS Washington Water 20N/04E-34H01 Not Reported	Type: HUC: Drainage Area Units: Contrib Drainage Area Formation Type: Construction Date: Well Depth Units: Well Hole Depth Units: Science Center Type: HUC:	Well 1711 Not R Unts: Not R Not R 1979 ft ft FED USGS Well 1711	0014 Reported Reported 0504 USGS4000124959	
Ast 2 - 1 Mile Organization ID: Organization Name: Monitor Location: Description: Drainage Area: Contrib Drainage Area: Aquifer: Aquifer Type: Well Depth: Well Hole Depth: Well Hole Depth: Well Hole Depth: Organization ID: Organization ID: Organization Name: Monitor Location: Description: Drainage Area:	USGS Washington Water 20N/04E-35R02 Not Reported Not Reported Not Reported Not Reported 218 220 USGS-WA USGS Washington Water 20N/04E-34H01 Not Reported Not Reported	Type: HUC: Drainage Area Units: Contrib Drainage Area Formation Type: Construction Date: Well Depth Units: Well Hole Depth Units: Science Center Type: HUC: Drainage Area Units:	Well 1711 Not R Unts: Not R Not R 1979 ft ft FED USGS Well 17110 Not R	0014 Reported Reported 0504 USGS4000124959 0014 Reported	
Ast 2 - 1 Mile Organization ID: Organization Name: Monitor Location: Description: Drainage Area: Contrib Drainage Area: Aquifer: Aquifer Type: Well Depth: Well Hole Depth: Well Hole Depth: Vell Hole Depth: Organization ID: Organization ID: Organization Name: Monitor Location: Description: Drainage Area: Contrib Drainage Area:	USGS Washington Water 20N/04E-35R02 Not Reported Not Reported Not Reported Not Reported 218 220 USGS-WA USGS Washington Water 20N/04E-34H01 Not Reported Not Reported Not Reported	Type: HUC: Drainage Area Units: Contrib Drainage Area Formation Type: Construction Date: Well Depth Units: Well Hole Depth Units: Well Hole Depth Units: Science Center Type: HUC: Drainage Area Units: Contrib Drainage Area	Well 1711 Not R Unts: Not R Not R 1979 ft ft FED USGS Well 17110 Not R Unts: Not R	0014 Reported Reported 0504 USGS4000124959 0014 Reported Reported	
Ast 2 - 1 Mile Dreanization ID: Organization Name: Monitor Location: Description: Drainage Area: Contrib Drainage Area: Aquifer: Aquifer Type: Well Depth: Well Hole Depth: Well Hole Depth: Well Hole Depth: Organization ID: Organization ID: Organization Name: Monitor Location: Description: Drainage Area: Contrib Drainage Area: Aquifer:	USGS Washington Water 20N/04E-35R02 Not Reported Not Reported Not Reported Not Reported 218 220 USGS-WA USGS Washington Water 20N/04E-34H01 Not Reported Not Reported Not Reported Not Reported Not Reported	Type: HUC: Drainage Area Units: Contrib Drainage Area Formation Type: Construction Date: Well Depth Units: Well Hole Depth Units: Well Hole Depth Units: Science Center Type: HUC: Drainage Area Units: Contrib Drainage Area Formation Type:	Well 1711 Not R Unts: Not R 1979 ft ft FED USGS Well 17110 Not R Unts: Not R Not R	0014 Reported Reported 0504 USGS4000124959 0014 Reported Reported Reported	
Ast 2 - 1 Mile Description: Drainage Area: Contrib Drainage Area: Aquifer: Aquifer Type: Well Depth: Well Hole Depth: Well Hole Depth: Organization ID: Organization ID: Organization Name: Monitor Location: Description: Drainage Area: Contrib Drainage Area: Contrib Drainage Area:	USGS Washington Water 20N/04E-35R02 Not Reported Not Reported Not Reported Not Reported 218 220 USGS-WA USGS Washington Water 20N/04E-34H01 Not Reported Not Reported Not Reported	Type: HUC: Drainage Area Units: Contrib Drainage Area Formation Type: Construction Date: Well Depth Units: Well Hole Depth Units: Well Hole Depth Units: Science Center Type: HUC: Drainage Area Units: Contrib Drainage Area	Well 1711 Not R Unts: Not R Not R 1979 ft ft FED USGS Well 17110 Not R Unts: Not R	0014 Reported Reported 0504 USGS4000124959 0014 Reported Reported Reported	

Ground water levels, Number of	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 hea	d 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 hea	d could not be measured without	additional equipment.

O81 ESE 1/2 - 1 Mile Higher

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

O82 ESE 1/2 - 1 Mile Higher

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test: Ecology Well Logs Not Reported SE02321 6 29-APR-08 Resource Protection Not Reported Not Reported Not Reported

Ecology Well Logs

Not Reported

AE03167

29-APR-08

Not Reported

Not Reported

Not Reported

Decommisioning

6

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:

545894 Not Reported 24-JUN-08 30 DENNIS SMITH Not Reported Not Reported Not Reported 10

WALOG2000412811

WA WELLS

WA WELLS WALOG2000412796

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:

545877 Not Reported 24-JUN-08 30 DENNIS SMITH Not Reported Not Reported Not Reported 10

WA WELLS WALOG2000231120

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 313528 Not Reported 21-JUN-01 193 AL SULLIVAN Not Reported Not Reported Not Reported 10

O83 ESE 1/2 - 1 Mile Higher

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test: Ecology Well Logs AFP291 W121949 6 03-JAN-01 Water Not Reported Not Reported Not Reported

		Database	EDR ID Number
		WA WELLS	WALOG200066886
Ecology Well Logs Not Reported SE55235 5 30-JUN-15 Resource Protection Not Reported Dry Hole Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	17-JUL-15 30 City Of Puya 1816 Not Reporte	allup d
		WA WELLS	WALOG200066886
Ecology Well Logs Not Reported SE55235 5 30-JUN-15 Resource Protection Not Reported Dry Hole Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	17-JUL-15 30 City Of Puya 1816 Not Reporte	allup d
		WA WELLS	WALOG2000668866
Ecology Well Logs Not Reported AE32694 5 30-JUN-15 Decommisioning Not Reported Dry Hole Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	17-JUL-15 30 City Of Puya 1816 Not Reporte	allup d
	Not Reported SE55235 5 30-JUN-15 Resource Protection Not Reported Dry Hole Not Reported SE55235 5 30-JUN-15 Resource Protection Not Reported Dry Hole Not Reported Dry Hole Not Reported SE55235 5 30-JUN-15 Resource Protection Not Reported Dry Hole Not Reported AE32694 5 30-JUN-15 Decommisioning Not Reported Dry Hole	Not ReportedProject Tag #: Date Received: Casing Depth (ft): Well Owner: Resource ProtectionNot ReportedDriller #: Flow Rate (gpm): PSI: Not ReportedDry HolePSI: Water Reclamation #:Not ReportedProject Tag #: Poiet Tag #: Date Received: Casing Depth (ft): Water Reclamation #:Ecology Well LogsWell Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Resource ProtectionSE55235Date Received: Casing Depth (ft): Well Owner: Project Tag #: Not ReportedNot ReportedFlow Rate (gpm): PSI: Not ReportedNot ReportedProject Tag #: PSI: Not ReportedEcology Well LogsWell Log ID: PSI: Not ReportedNot ReportedFlow Rate (gpm): PSI: Not ReportedStar Received: Casing Depth (ft): Well Owner: Driller #: Not ReportedStar Received: Casing Depth (ft): Well Owner: DecommisioningDecommisioningDriller #: PSI: Well Owner: Driller #: PSI:Not ReportedProject Tag #: PSI: Driller #: PSI:Not ReportedProject Tag #: PSI: Driller #: PSI:Not ReportedProject Tag #: PSI: PSI:Not ReportedProject Tag #: PSI:Not ReportedProject Tag #: PSI:Not ReportedProject Tag #: PSI:Not ReportedPSI: PSI:Not ReportedPSI:Not ReportedPSI:Not ReportedPSI:Not ReportedPSI:Not ReportedPSI: <td>Ecology Well Logs Not Reported SE55235Well Log ID: Project Tag #: Not Reported Date Received: Date Received: IT-JUL-15 S<br< td=""></br<></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></td>	Ecology Well Logs Not Reported SE55235Well Log ID: Project Tag #: Not Reported Date Received: Date Received: IT-JUL-15 S

1/2 - 1 Mile Higher

> Database: Well Tag #: Notice of Intent #: Diameter (in):

Ecology Well Logs Not Reported AE47545 6 Well Log ID: Project Tag #: Date Received: Casing Depth (ft):

1721461 Not Reported 29-MAY-18 193

Well completion: Well Type: Static Water Level: Flow Type: Well Test:

19-MAR-18 Decommisioning Not Reported Not Applicable Not Reported

Ecology Well Logs

Not Reported

AE32694

30-JUN-15

Dry Hole

Decommisioning

Not Reported

Not Reported

Ecology Well Logs

Not Reported

AE06035

22-MAY-09

Decommisioning

Not Reported

Not Reported

Not Reported

6

5

Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:

SULLYS GLEN LLC 2081 Not Reported Not Reported

WALOG2000668867

088 ESE 1/2 - 1 Mile Higher

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type:

089 ESE 1/2 - 1 Mile Higher

Well Test:

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

O90 ESE 1/2 - 1 Mile Higher

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

Ecology Well Logs Not Reported SE04667 6 22-MAY-09 **Resource Protection** Not Reported Not Reported Not Reported

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 1032616 Not Reported 17-JUL-15 30 City Of Puyallup 1816 Not Reported Not Reported 10

WA WELLS WALOG2000446570

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 592169 10

WA WELLS WALOG2000446563

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 592156 Not Reported 02-JUL-09 20 **Dennis Smith** Not Reported Not Reported Not Reported 10

TC7214049.2s Page A-53

Not Reported 02-JUL-09 20 **Dennis Smith** Not Reported Not Reported Not Reported

10

WA WELLS

Elevation			Database	EDR ID Number
091 ESE 1/2 - 1 Mile Higher			WA WELLS	WALOG2000446562
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs Not Reported SE04667 6 22-MAY-09 Resource Protection Not Reported Not Reported Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	592154 Not Reported 02-JUL-09 7.5 Dennis Smith Not Reported Not Reported Not Reported 10	
D92 ESE I/2 - 1 Mile Higher			WA WELLS	WALOG2000446564
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs Not Reported SE04667 6 22-MAY-09 Resource Protection Not Reported Not Reported Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	592158 Not Reported 02-JUL-09 20 Dennis Smith Not Reported Not Reported Not Reported 10	
093 ESE I/2 - 1 Mile Higher			WA WELLS	WALOG2000446565
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs Not Reported AE06035 6 22-MAY-09 Decommisioning Not Reported Not Reported Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	592167 Not Reported 02-JUL-09 20 Dennis Smith Not Reported Not Reported 10	

Higher Database: Well Tag #:

Notice of Intent #:

Diameter (in):

Ecology Well Logs Not Reported AE06035 6 Well Log ID: Project Tag #: Date Received: Casing Depth (ft):

592165 Not Reported 02-JUL-09 7.5

Well completion: Well Type: Static Water Level: Flow Type: Well Test: 22-MAY-09 Decommisioning Not Reported Not Reported Not Reported

Ecology Well Logs

Resource Protection

Not Reported

SE57835

25-MAR-16

Not Reported

Not Reported

Not Reported

9

Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: Dennis Smith Not Reported Not Reported Not Reported 10

WA WELLS WALOG2000702148

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:

1555845 B1 12-APR-16 46.5 CASCADE CHRISTIAN SCHOOLS 2671 Not Reported Not Reported 10

P96 North 1/2 - 1 Mile Lower

P95

North 1/2 - 1 Mile Lower

Database:

Well Tag #:

Diameter (in):

Well Type:

Flow Type:

Well Test:

Notice of Intent #:

Well completion:

Static Water Level:

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

Q97 West 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test: Ecology Well Logs BAK181 AE04488 Not Reported 26-NOV-08 Decommisioning Not Reported Not Reported Not Reported

Ecology Well Logs Not Reported AE36600 9 25-MAR-16 Decommisioning Not Reported Not Reported

Not Reported

WA WELLS WALOG2000702149

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 1555846 B1 12-APR-16 46.5 CASCADE CHRISTIAN SCHOOLS 2671 Not Reported Not Reported 10

WA WELLS WALOG2000506103

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 709214 Not Reported 28-FEB-11 Not Reported CHET SIDHU Not Reported Not Reported Not Reported

10

Distance Elevation			Database	EDR ID Number
Q98 West 1/2 - 1 Mile Lower			WA WELLS	WALOG2000506104
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs BAK182 AE04488 Not Reported 26-NOV-08 Decommisioning Not Reported Not Reported Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	709216 Not Reported 28-FEB-11 Not Reported CHET SIDHU Not Reported Not Reported 10	
299 Vest /2 - 1 Mile _ower			WA WELLS	WALOG2000442531
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs Not Reported DE00829 30 27-OCT-08 Water Not Reported Not Reported Not Reported Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	584958 Not Reported 07-NOV-08 23 CHET SIDHU Not Reported Not Reported 10	
Q100 West 1/2 - 1 Mile Lower			WA WELLS	WALOG2000442532
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs BAK181 DE00829 30 27-OCT-08 Water Not Reported Not Reported Not Reported Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	584960 Not Reported 07-NOV-08 23 CHET SIDHU Not Reported Not Reported 10	
101 WNW 1/2 - 1 Mile Lower			WA WELLS	WA1200000011224
Database:	Water Wells	PWS ID:	85825	

Database: Source #: Source Status: Source Use: Water Wells 01 Inactive Permanent

Source Name: Source Type: Date Source Effective:

UNKNOWN SOURCE - HISTORICAL DATA Other 01/01/1970

Date Source Inactive: Well Depth:	07/01/1980 0 21/00/25 1/01/25 0/20/01/20/250000	Water Resource Inventory Area: Source Susceptibility:	Puyallup-White Not Reported
System Name:	SUNRISE HOUSE NEWHAVEN NU	RSING 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

R102 NE 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

R103 NE 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

Not Reported A121954 6 22-MAY-07 Decommisioning Not Reported Not Reported Not Reported

Ecology Well Logs

Ecology Well Logs

AFB329

Water

6

Not Reported

Not Reported

Not Reported

Not Reported

Not Reported

WA WELLS WALOG2000206055

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 277503 Not Reported Not Reported 103 RICHARD HESHELTIMS Not Reported Not Reported Not Reported 10

WA WELLS WALOG2000400151

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:

527986 Not Reported 22-APR-08 255 PARKER PACIFIC Not Reported Not Reported Not Reported 10

WA WELLS WALOG2000039081

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 44998 Not Reported 20 CASCADE CHRISTIAN SCHOOL 2066 Not Reported Not Reported 10

S104 NNW 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test: Ecology Well Logs Not Reported 021115 10 07-JUN-96 Water Not Reported Not Reported Not Reported

Distance Elevation			Database	EDR ID Number
S105 NNW 1/2 - 1 Mile Lower			WA WELLS	WALOG200003832 [,]
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs Not Reported Not Reported 8 Not Reported Water Not Reported Not Reported Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	44133 Not Reporte 162 ARTHUR S Not Reporte Not Reporte Not Reporte 10	d ANDBERG d d
S106 NNW 1/2 - 1 Mile Lower			WA WELLS	WALOG2000865578
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs BLR956 AE55598 2 27-JUN-19 Decommisioning Not Reported Not Reported Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1918315 Not Reporte 06-SEP-19 15 Sager Famil 3166 Not Reporte Not Reporte 10	ly Homes
S107 NNW 1/2 - 1 Mile Lower			WA WELLS	WALOG2000257546
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs Not Reported A063558 48 16-AUG-02 Decommisioning Not Reported Not Reported Not Reported Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	342948 Not Reporte 11-SEP-02 10.5 GIENGER I Not Reporte Not Reporte Not Reporte 10	DEVELOPMENT ed ed
108 NNE 1/2 - 1 Mile Lower			FED USGS	USGS40001249757

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

Well

HUC: Drainage Area Units: Contrib Drainage Area Unts: Formation Type: Construction Date: Well Depth Units: Well Hole Depth Units:	17110014 Not Reported Not Reported Not Reported 19520701 Not Reported Not Reported		Drainage Area: Contrib Drainage Area: Aquifer: Aquifer Type: Well Depth: Well Hole Depth:	Not F Not F Not F Not F	Reported Reported Reported Reported Reported Reported
Ground water levels,Number of Feet below surface: Note:	Measurements: 8 Not Reported	1	Level reading date: Feet to sea level:		-10-09 Reported
R109 NE 1/2 - 1 Mile Lower				FED USGS	USGS40001249601
Organization ID: Organization Name: Monitor Location: Description: HUC: Drainage Area Units: Contrib Drainage Area Unts: Formation Type: Construction Date: Well Depth Units: Well Hole Depth Units:	USGS-WA USGS Washingtor 20N/04E-35H03 GWSI DATABASE 17110014 Not Reported Not Reported Unclassified Overt 19931201 ft ft	AUGMENTAT	Туре:	Not F Not F	Reported Reported Reported Reported
Ground water levels,Number of Feet below surface: Note:	Measurements: 70 Not Reported	1	Level reading date: Feet to sea level:		-12-02 Reported
110 ENE 1/2 - 1 Mile Lower				FED USGS	USGS40001249480
Organization ID: Organization Name: Monitor Location: Description: HUC: Drainage Area Units: Contrib Drainage Area Unts: Formation Type: Construction Date: Well Depth Units: Well Hole Depth Units:	USGS-WA USGS Washingtor 20N/04E-35H04 AKA: NE SE S36 17110014 Not Reported Not Reported Not Reported 19790507 ft ft		Туре:	Not F Not F	Reported Reported Reported Reported
Ground water levels,Number of Feet below surface: Note:	Measurements: 150 Not Reported	1	Level reading date: Feet to sea level:		-05-30 Reported

Elevation			Database	EDR ID Number
T111 NNE 1/2 - 1 Mile Lower			WA WELLS	WALOG200050899
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs Not Reported SE09146 8 18-FEB-11 Resource Protection Not Reported Not Reported Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	714700 Not Reporte 15-MAR-11 45 City of Puya Not Reporte Not Reporte Not Reporte 10	Illup Geo Engineers d d
T112 NNE 1/2 - 1 Mile Lower			WA WELLS	WALOG200050899
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs Not Reported SE09146 8 18-FEB-11 Resource Protection Not Reported Not Reported Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	714702 Not Reporte 15-MAR-11 35 City of Puya Not Reporte Not Reporte Not Reporte 10	Illup Geo Engineers d d
Г113 NNE I/2 - 1 Mile ∟ower			WA WELLS	WALOG200069282
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs Not Reported SE57065 9 16-JAN-16 Resource Protection Not Reported Not Reported Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1344011 Not Reporte 27-JAN-16 81.5 Puyallup Sc 3119 Not Reporte Not Reporte 10	hool District

1/2 - 1 Mile Lower

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

714698 Not Reported 15-MAR-11 35

Well completion: Well Type: Static Water Level: Flow Type: Well Test:

18-FEB-11 Decommisioning Not Reported Not Reported Not Reported

Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: City of puyallup | Geo Engineers Not Reported Not Reported Not Reported 10

WALOG2000040867

T115 NNE 1/2 - 1 Mile

- Lower Database: Well Tag #:
 - Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

T116 NNE 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

T117 NNE 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

Ecology Well Logs Not Reported AE12167 8 18-FEB-11 Decommisioning Not Reported Not Reported Not Reported

Ecology Well Logs Not Reported Not Reported 09-OCT-52 Water Not Reported Not Reported Not Reported

Ecology Well Logs

Resource Protection

Not Reported

Not Reported

Not Reported

Not Reported

Not Reported

25-MAR-05

S002920

2

Well Log ID:

Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:

47029 Not Reported Not Reported 22 FRED MINCKLER Not Reported Not Reported Not Reported 10

WA WELLS

WALOG2000313030 WA WELLS

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 405569 Not Reported 22-APR-05 Not Reported GEOENGINEERS Not Reported Not Reported Not Reported 10

WA WELLS WALOG2000508993

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 714697 Not Reported 15-MAR-11 45 City of puyallup | Geo Engineers Not Reported

Not Reported Not Reported 10

TC7214049.2s Page A-61

		Database	EDR ID Number
		WA WELLS	WALOG200069856
Ecology Well Logs Not Reported AE36479 1.5 17-MAR-16 Decommisioning Not Reported Not Reported Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	17-MAR-16 40.5 Puyallup Sc 2735 Not Reporte	hool District
		WA WELLS	WALOG200070263
Ecology Well Logs Not Reported SE57853 9 28-MAR-16 Resource Protection Not Reported Not Reported Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	3146 Not Reporte	d
		WA WELLS	WALOG200070263
Ecology Well Logs Not Reported AE36629 9 28-MAR-16 Decommisioning Not Reported Not Reported Not Reported Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	3146 Not Reporte	d
	Not Reported AE36479 1.5 17-MAR-16 Decommisioning Not Reported Not Reported Not Reported Not Reported SE57853 9 28-MAR-16 Resource Protection Not Reported Not Reported AE36629 9 28-MAR-16 Decommisioning Not Reported Not Reported	Not ReportedProject Tag #: Date Received: Casing Depth (ft): Well Owner: Decommisioning1.5Casing Depth (ft): Well Owner: DecommisioningDecommisioningDriller #: Flow Rate (gpm): PSI: Not ReportedNot ReportedPSI: Water Reclamation #:Not ReportedProject Tag #: PSI: Not ReportedSE57853Date Received: Oasing Depth (ft): 28-MAR-16Not ReportedFlow Rate (gpm): PSI: Not ReportedNot ReportedProject Tag #: Project Tag #: Date Received: PSI:Not ReportedProject Tag #: PSI: Not ReportedNot ReportedPSI: PSI: Not ReportedNot ReportedPSI: PSI: Not ReportedNot ReportedProject Tag #: PSI: Not ReportedNot ReportedPSI: PSI: Not ReportedNot ReportedProject Tag #: PSI: Not ReportedNot ReportedProject Tag #: PSI: Not ReportedNot ReportedProject Tag #: PSI: Not ReportedNot ReportedProject Tag #: PSI: Not ReportedNot ReportedProject Tag #: PSI: PSI: PSI:Not ReportedProject Tag #: PSI: PSI:Not ReportedProject Tag #: PSI: PSI:Not ReportedProject Tag #: PSI:Not ReportedPSI: PSI:Not ReportedPSI: PSI:	Ecology Well Logs Well Log ID: 1537147 Not Reported Project Tag #: Not Reported AE36479 Date Received: 17-MAR-16 1.5 Casing Depth (ft): 40.5 17-MAR-16 Well Owner: Puyallup Sc Decommisioning Driller #: 2735 Not Reported PSI: Not Reported Not Reported PSI: Not Reported Not Reported PSI: Not Reported Not Reported Project Tag #: B1 SE57853 Date Received: 01-APR-16 9 Casing Depth (ft): 66.5 28-MAR-16 Well Owner: Puyallup Sc Resource Protection Driller #: 3146 Not Reported PSI: Not Reported Not Reported Project Tag #: B1

1/2 - 1 Mile Lower

> Database: Well Tag #: Notice of Intent #: Diameter (in):

Ecology Well Logs Not Reported SE57757 1.5 Well Log ID: Project Tag #: Date Received: Casing Depth (ft):

1537146 Not Reported 17-MAR-16 40.5

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

WA WELLS

T122 NNE 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

T123 NNE 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

T124 NNE 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test: Ecology Well Logs Not Reported AE35522 9 16-JAN-16 Decommisioning Not Reported Not Reported Not Reported

Ecology Well Logs

Resource Protection

Not Reported

SE57757

17-MAR-16

Not Reported

Not Reported

Not Reported

1.5

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 1344012 Not Reported 27-JAN-16 81.5 Puyallup School District 3119 Not Reported Not Reported 10

WALOG2000692825

WA WELLS WALOG2000698557

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 1537144 Not Reported 17-MAR-16 40.9166679382324 Puyallup School District 2735 Not Reported Not Reported 10

WA WELLS WALOG2000698558

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 1537145 Not Reported 17-MAR-16 40.9166679382324

Puyallup School District

Not Reported

Not Reported

2735

10

Ecology Well Logs Not Reported AE36479 1.5 17-MAR-16 Decommisioning Not Reported Not Reported Not Reported

Distance Elevation				Database	EDR ID Number
25 SSE /2 - 1 Mile Higher				WA WELLS	WALOG200002865
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs Not Reported 6 07-DEC-69 Water Not Reported Not Reported Not Reported		Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	32810 Not Reporte Not Reporte 114 A. C. CRAV Not Reporte Not Reporte 10	ed ER ed ed
126 North 1/2 - 1 Mile Lower				FED USGS	USGS40001249804
Organization ID:	USGS-WA		Conten		
Organization Name: Monitor Location:	USGS Washingtor 20N/04E-35D01	i water Science	Type:	Well	
Description:	WELL DESTORY	ED, NEW SUBE	DIVISION		
HUC:	17110014		Drainage Area:		eported
Drainage Area Units:	Not Reported		Contrib Drainage Area:		eported
Contrib Drainage Area Unts Formation Type:			Aquifer:		eported
	Not Reported		Aquifer Type:		eported
51	19540915		Well Depth:		eported
Construction Date:	Not Departed				eported
,,	Not Reported Not Reported		Well Hole Depth:		
Construction Date: Well Depth Units:	Not Reported	3	Well Hole Depth: Level reading date:		05-17
Construction Date: Well Depth Units: Well Hole Depth Units:	Not Reported	3		1985-	05-17 eported
Construction Date: Well Depth Units: Well Hole Depth Units: Ground water levels,Numbe	Not Reported	3	Level reading date:	1985-	
Construction Date: Well Depth Units: Well Hole Depth Units: Ground water levels,Numbe Feet below surface:	Not Reported r of Measurements: 5.42	3	Level reading date:	1985-	
Construction Date: Well Depth Units: Well Hole Depth Units: Ground water levels,Numbe Feet below surface: Note:	Not Reported r of Measurements: 5.42 Not Reported	3	Level reading date: Feet to sea level:	1985- Not F 4.16	
Construction Date: Well Depth Units: Well Hole Depth Units: Ground water levels,Numbe Feet below surface: Note: Level reading date:	Not Reported r of Measurements: 5.42 Not Reported 1960-04-12	3	Level reading date: Feet to sea level: Feet below surface:	1985- Not F 4.16	eported

127 NE 1/2 - 1 Mile Lower

Database: Source #: Source Status: Source Use: Date Source Inactive: Well Depth: System Name: System Type: Total Population Served:

Water Wells 01 Active Permanent Not Reported 0 EAST PIONEER WATER SYSTEM GRPB 20

WA WELLS WA120000029417

PWS ID:	21350
Source Name:	SPRING
Source Type:	Surface
Date Source Effective:	01/01/1970
Water Resource Inventory Area:	Puyallup-White
Source Susceptibility:	Н
Public Water System Group:	В
Full Time Res Pop:	20
Total Connections:	10

PWS Status: DOE Well Tag: Influenced by Droughts: Influenced by Surface Water:

Active Not Reported Not Reported Not Reported

Residential Connection: Capacity (gpm): Influenced by Flooding:

10 0 Not Reported

WALOG2000668871

U128 SE 1/2 - 1 Mile Higher

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

U129 SE 1/2 - 1 Mile Higher

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

U130 SE 1/2 - 1 Mile Higher

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

Ecology Well Logs Not Reported SE55236 5 30-JUN-15 **Resource Protection** Not Reported Dry Hole Not Reported

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 1032620 Not Reported 17-JUL-15 30 City Of Puyallup 1816 Not Reported Not Reported 10

WA WELLS

WA WELLS WALOG2000668870

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 1032619 Not Reported 17-JUL-15 30 City Of Puyallup 1816 Not Reported Not Reported 10

WA WELLS WALOG2000668868

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 1032617 Not Reported 17-JUL-15 30 City Of Puyallup 1816 Not Reported Not Reported 10

Not Reported AE32695 30-JUN-15 Decommisioning Not Reported Dry Hole Not Reported

Ecology Well Logs

Not Reported

AE32695

30-JUN-15

Dry Hole

Decommisioning

Not Reported

Not Reported

5

Ecology Well Logs

5

Distance Elevation			Database	EDR ID Number
U131 SE 1/2 - 1 Mile Higher			WA WELLS	WALOG2000668869
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs Not Reported SE55236 5 30-JUN-15 Resource Protection Not Reported Dry Hole Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1032618 Not Reporter 17-JUL-15 30 City Of Puya 1816 Not Reporter Not Reporter 10	ıllup d
132 NNW 1/2 - 1 Mile Lower			WA WELLS	WALOG2000317105
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs Not Reported S024252 Not Reported 03-MAY-05 Resource Protection Not Reported Not Reported Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	410362 Not Reported 26-MAY-05 50 ESRA INC Not Reported Not Reported Not Reported 10	d d
V133 WNW 1/2 - 1 Mile Lower			WA WELLS	WALOG2000040903
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs Not Reported A000361 9 Not Reported Decommisioning Not Reported Not Reported Not Reported Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	47065 Not Reporter 08-AUG-94 Not Reporter FREEMAN 1229 Not Reporter Not Reporter 10	d
V134 WNW 1/2 - 1 Mile Lower			WA WELLS	WALOG2000039338

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

45297 Not Reported Not Reported 573

Well completion: Well Type: Static Water Level: Flow Type: Well Test:

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

W135 East 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

W136 East 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

W137 East 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

Ecology Well Logs Not Reported SE08369 8 18-OCT-10 **Resource Protection** Not Reported Not Reported Not Reported

Ecology Well Logs Not Reported AE11038 18-OCT-10 Decommisioning Not Reported Not Reported Not Reported

Ecology Well Logs

Resource Protection

Not Reported

SE08369

18-OCT-10

Not Reported

Not Reported

Not Reported

8

8

WA WELLS WALOG2000499876

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 697269 Not Reported 06-JAN-11 15 Union Bank Not Reported Not Reported Not Reported 10

WA WELLS WALOG2000499881

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 697279 Not Reported 06-JAN-11 15 Union Bank Not Reported Not Reported Not Reported 10

WA WELLS WALOG2000499880

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:

697277 Not Reported 06-JAN-11 15 Union Bank Not Reported Not Reported Not Reported

10

		Database	EDR ID Number
		WA WELLS	WALOG2000499883
Ecology Well Logs Not Reported SE08369 8 18-OCT-10 Resource Protection Not Reported Not Reported Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	06-JAN-11 15 Union Bank Not Reported Not Reported	
		WA WELLS	WALOG2000499882
Ecology Well Logs Not Reported SE08369 8 18-OCT-10 Resource Protection Not Reported Not Reported Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	06-JAN-11 21 Union Bank Not Reported Not Reported	
		WA WELLS	WALOG2000499877
Ecology Well Logs Not Reported AE11038 8 18-OCT-10 Decommisioning Not Reported Not Reported Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	06-JAN-11 15 Union Bank Not Reported Not Reported	
	Not Reported SE08369 8 18-OCT-10 Resource Protection Not Reported Not Reported Not Reported SE08369 8 18-OCT-10 Resource Protection Not Reported SE08369 8 18-OCT-10 Resource Protection Not Reported Not Reported	Not ReportedProject Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Not ReportedResource ProtectionDriller #: Flow Rate (gpm): PSI: Not ReportedNot ReportedPSI: Project Tag #: Date Received: Resource ProtectionNot ReportedPSI: Project Tag #: Date Received: Casing Depth (ft): 18-OCT-10Resource ProtectionDriller #: Project Tag #: Date Received: Casing Depth (ft): Not ReportedResource ProtectionDriller #: Project Tag #: Date Received: Resource ProtectionNot ReportedFlow Rate (gpm): PSI: Not ReportedNot ReportedPSI: Vater Reclamation #:Not ReportedPSI: Not ReportedNot ReportedProject Tag #: Casing Depth (ft): Vell Owner: PSI: Not ReportedEcology Well LogsWell Log ID: Project Tag #: Date Received: Reclamation #:Ecology Well LogsWell Log ID: PSI: Not ReportedReportedProject Tag #: PSI: Not ReportedBCasing Depth (ft): Vell Owner: DecommisioningNot ReportedProject Tag #: PSI: Not ReportedNot ReportedProject Tag #: PSI: PSI:Not ReportedProject Tag #: PSI:Not ReportedProject Tag #: PSI:Not ReportedPSI: PSI:	Ecology Well Logs Well Log ID: 697283 Not Reported Project Tag #: Not Reported SE08369 Date Received: 06-JAN-11 8 Casing Depth (ft): 15 18-OCT-10 Well Owner: Union Bank Resource Protection Driller #: Not Reported Not Reported Flow Rate (gpm): Not Reported Not Reported PSI: Not Reported Not Reported PSI: Not Reported Not Reported Project Tag #: Not Reported Not Reported Project Tag #: Not Reported Not Reported Project Tag #: Not Reported SE08369 Date Received: 06-JAN-11 8 Casing Depth (ft): 21 18-OCT-10 Well Owner: Union Bank Not Reported PSI: Not Reported Not Reported Date Receivect:

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

697275 Not Reported 06-JAN-11 15

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

W142 East 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

X143 South 1/2 - 1 Mile Higher

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

Y144 WNW 1/2 - 1 Mile Lower

Ecology Well Logs Not Reported AE11038 8 18-OCT-10 Decommisioning Not Reported Not Reported Not Reported

Ecology Well Logs

Not Reported

18-DEC-91

Not Reported

Not Reported

Not Reported

067611

Water

6

WA WELLS WALOG2000499878

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 697273 Not Reported 06-JAN-11 21 Union Bank Not Reported Not Reported Not Reported 10

WA WELLS WALOG2000031972

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 36676 Not Reported 27-DEC-91 77 JERRY COWAN 1983 Not Reported Not Reported 10

FED USGS USGS40001249572

Organization ID: Organization Name:	USGS-WA USGS Washington W	ater Science C	enter	
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 o	f 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: Feet to sea level:

1997-03-12 Not Reported

1997-01-14 Not Reported

1996-11-25 Not Reported

1996-09-17 Not Reported

1996-07-17 Not Reported

1996-05-14 Not Reported

1996-03-12 Not Reported

1996-01-12 Not Reported

1995-09-11 Not Reported

1995-08-25 Not Reported

1995-07-20 Not Reported

1995-07-05 Not Reported

1985-10-29 Not Reported

1985-10-08 Not Reported

1985-09-10 Not Reported

1985-08-27 Not Reported

1985-08-13 Not Reported

1985-07-16 Not Reported

1985-06-25 Not Reported

1985-06-18 Not Reported

1985-06-11 Not Reported Feet below surface: Note:

Feet below surface: Note: 31.30 Not Reported

35.89 Not Reported

233.2 The site was being pumped.

34.49 Not Reported

69.08 Not Reported

234.1 The site was being pumped.

38.03 Not Reported

40.68 Not Reported

47.24 Not Reported

47.90 Not Reported

257.87 The site was being pumped.

56.17 Not Reported

44.06 Not Reported

42.41 Not Reported

68.62 Not Reported

81.64 Not Reported

102.97 Not Reported

98.36 Not Reported

88.45 Not Reported

54.87 Not Reported

46.84 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 1/2 - 1 Mile Lower

FED USGS USGS40001249755

Organization ID:	USGS-WA		
Organization Name:	USGS Washington Water	Science Center	
Monitor Location:	20N/04E-35A02	Туре:	Well
Description:	GWSI DATABASE AUGN	IENTATION 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	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 1/2 - 1 Mile Lower

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

WA120000012279

WA WELLS

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:	Н
System Name:	NELSON-CRANE CHRISTIAN S	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 US	SGS	USGS40001249758
Organization ID: Organization Name: Monitor Location: Description: Drainage Area: Contrib Drainage Area: Aquifer: Aquifer Type: Well Depth: Well Hole Depth:	USGS-WA USGS Washington Wa 20N/04E-34B01 WELL ABANDONED Not Reported Not Reported Not Reported Not Reported 42 42	ater Science C	enter Type: HUC: Drainage Area Units: Contrib Drainage Area I Formation Type: Construction Date: Well Depth Units: Well Hole Depth Units:	Unts:	Well 171100 Not Re Not Re 190107 ft ft	ported ported ported
Ground water levels,Number of Feet below surface: Note: Level reading date: Feet to sea level:	Measurements: 2.56 Not Reported 1932-06-29 Not Reported	2	Level reading date: Feet to sea level: Feet below surface: Note:		1995-0 Not Re 2 Not Re	ported

AB148 WNW 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test: Ecology Well Logs Not Reported Not Reported 0 Not Reported Water Not Reported Not Reported Not Reported

WA WELLS WALOG2000759752

WALOG2000205086

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 1629829 Not Reported Not Reported 0 CITY OF PUYALLUP Not Reported Not Reported Not Reported Not Reported

AB149 WNW 1/2 - 1 Mile Lower

> Database: Well Tag #:

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

WA WELLS

Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Not Reported 6 Not Reported Water Not Reported Not Reported Not Reported		Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	Not Report 264 LUTHERAN Not Report Not Report Not Report 10	N WELFARE SOCIETY ed ed
AC150 NE I/2 - 1 Mile _ower				FED USGS	USGS40001249756
Organization ID:	USGS-WA				
Organization Name:	USGS Washington	Water Science C			
Monitor Location:	20N/04E-35A01		Туре:	Well	
Description: HUC:	GWSI DATABASE 17110014	AUGMENTATION	Drainage Area:	Not F	Reported
Drainage Area Units:	Not Reported		Contrib Drainage Area:		Reported
Contrib Drainage Area Unts			Aquifer:		Reported
Formation Type:	Not Reported		Aquifer Type:	Not F	Reported
Construction Date:	19810303		Well Depth:	94	
Well Depth Units: Well Hole Depth Units:	ft ft		Well Hole Depth:	94	
Feet below surface: Note:	7 Not Reported		Feet to sea level:	NOT F	Reported
K151 South I/2 - 1 Mile Higher				FED USGS	USGS40001248743
South 1/2 - 1 Mile	USGS-WA			FED USGS	USGS40001248743
South I/2 - 1 Mile Higher	USGS-WA USGS Washington	Water Science C	enter	FED USGS	USGS40001248743
South I/2 - 1 Mile Higher Organization ID: Organization Name: Monitor Location:	USGS Washington 19N/04E-02L01		Туре:	FED USGS	USGS40001248743
South I/2 - 1 Mile Higher Organization ID: Organization Name: Monitor Location: Description:	USGS Washington 19N/04E-02L01 GWSI DATABASE		Type: I SITE	Well	
South I/2 - 1 Mile Higher Organization ID: Organization Name: Monitor Location: Description: HUC:	USGS Washington 19N/04E-02L01 GWSI DATABASE 17110014		Type: I SITE Drainage Area:	Well Not F	Reported
South I/2 - 1 Mile Higher Organization ID: Organization Name: Monitor Location: Description: HUC: Drainage Area Units:	USGS Washington 19N/04E-02L01 GWSI DATABASE 17110014 Not Reported		Type: I SITE Drainage Area: Contrib Drainage Area:	Well Not F Not F	Reported Reported
South I/2 - 1 Mile Higher Organization ID: Organization Name: Monitor Location: Description: HUC:	USGS Washington 19N/04E-02L01 GWSI DATABASE 17110014 Not Reported S: Not Reported		Type: I SITE Drainage Area:	Well Not F Not F Not F	Reported Reported Reported
South I/2 - 1 Mile Higher Organization ID: Organization Name: Monitor Location: Description: HUC: Drainage Area Units: Contrib Drainage Area Unts	USGS Washington 19N/04E-02L01 GWSI DATABASE 17110014 Not Reported		Type: I SITE Drainage Area: Contrib Drainage Area: Aquifer:	Well Not F Not F Not F	Reported Reported
South //2 - 1 Mile -ligher Organization ID: Organization Name: Monitor Location: Description: HUC: Drainage Area Units: Contrib Drainage Area Unts Formation Type: Construction Date: Well Depth Units:	USGS Washington 19N/04E-02L01 GWSI DATABASE 17110014 Not Reported Not Reported Not Reported 19911215 ft		Type: I SITE Drainage Area: Contrib Drainage Area: Aquifer: Aquifer Type:	Well Not F Not F Not F Not F	Reported Reported Reported
South //2 - 1 Mile -ligher Organization ID: Organization Name: Monitor Location: Description: HUC: Drainage Area Units: Contrib Drainage Area Unts Formation Type: Construction Date:	USGS Washington 19N/04E-02L01 GWSI DATABASE 17110014 Not Reported Not Reported Not Reported 19911215		Type: I SITE Drainage Area: Contrib Drainage Area: Aquifer: Aquifer Type: Well Depth:	Well Not F Not F Not F Not F 77	Reported Reported Reported
South I/2 - 1 Mile Higher Organization ID: Organization Name: Monitor Location: Description: HUC: Drainage Area Units: Contrib Drainage Area Unts Formation Type: Construction Date: Well Depth Units: Well Hole Depth Units: Ground water levels,Number	USGS Washington 19N/04E-02L01 GWSI DATABASE 17110014 Not Reported Not Reported Not Reported 19911215 ft ft		Type: I SITE Drainage Area: Contrib Drainage Area: Aquifer: Aquifer Type: Well Depth: Well Hole Depth: Level reading date:	Well Not F Not F Not F 77 77	Reported Reported Reported
South I/2 - 1 Mile Higher Organization ID: Organization Name: Monitor Location: Description: HUC: Drainage Area Units: Contrib Drainage Area Unts Formation Type: Construction Date: Well Depth Units: Well Hole Depth Units:	USGS Washington 19N/04E-02L01 GWSI DATABASE 17110014 Not Reported Not Reported Not Reported 19911215 ft ft	AUGMENTATION	Type: I SITE Drainage Area: Contrib Drainage Area: Aquifer: Aquifer Type: Well Depth: Well Hole Depth:	Well Not F Not F Not F 77 77 77	Reported Reported Reported Reported

Map ID Direction Distance Elevation

Y152 WNW

1/2 - 1 Mile Lower

Database: Source #: Source Status: Source Use: Date Source Inactive: Well Depth: System Name: System Type: Total Population Served: PWS Status: DOE Well Tag: Influenced by Droughts: Influenced by Surface Water:

AC153 NĚ 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

AC154 NE 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

Ecology Well Logs Not Reported S025952 Not Reported 28-APR-06 **Resource Protection** Not Reported Not Reported Not Reported

Water Wells

Permanent

Not Reported

Not Reported

PUYALLUP CITY OF

03

Active

573

Comm

36326

Active

Ecology Well Logs

Resource Protection

Not Reported

Not Reported

Not Reported

Not Reported

Not Reported

28-APR-06

S025952

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PWS ID:

Source Name:

Source Type:

Date Source Effective:

Source Susceptibility:

Full Time Res Pop:

Total Connections:

Capacity (gpm):

Residential Connection:

Influenced by Flooding:

Water Resource Inventory Area:

Public Water System Group:

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 440593 Not Reported

WALOG2000339412 WA WELLS

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 440594 Not Reported

22-MAY-06 20 PARKER PACIFIC INC Not Reported Not Reported Not Reported 10

WA WELLS WALOG2000339411

Database

WA WELLS

70050

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36326

15537

14559

700

N

01/01/1970

Puyallup-White

Ground Water - Well

EDR ID Number

WA120000025938

WELL #13 (15TH&9TH_ST) AEF202

22-MAY-06 20 PARKER PACIFIC INC Not Reported Not Reported Not Reported 10

Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	6 03-MAR-81 Water Not Reported Not Reported	Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI:	94 PHILLIP PAU Not Reported Not Reported Not Reported	t t
Lower Database: Well Tag #: Notice of Intent #: Diameter (in):	Ecology Well Logs Not Reported Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft):	51333 Not Reported 23-MAR-81	3
AC157 NE 1/2 - 1 Mile			WA WELLS	WALOG2000044675
Flow Type:	Not Reported	PSI:	Not Reported	
Well Test:	Not Reported	Water Reclamation #:	10	
Well completion:	10-MAR-81	Well Owner:	LEO GARRE	Ł
Well Type:	Water	Driller #:	Not Reported	
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported	
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	
1/2 - 1 Mile Lower Database:	Ecology Well Logs	Well Log ID:	49771	
AC156 NE			WA WELLS	WALOG200004331
Flow Type:	Not Reported	PSI:	Not Reported	3
Well Test:	Not Reported	Water Reclamation #:	10	
Well Type:	Water	Driller #:	0233	ł
Static Water Level:	Not Reported	Flow Rate (gpm):	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 HAUP1	
Database:	Ecology Well Logs	Well Log ID:	56200	ł
Well Tag #:	ACV718	Project Tag #:	Not Reported	
AC155 NE 1/2 - 1 Mile Lower			WA WELLS	WALOG200004884
Elevation			Database	EDR ID Number

Database: Well Tag #: Notice of Intent #: Diameter (in): Ecology Well Logs Not Reported S025952 Not Reported

Well Log ID: Project Tag #: Date Received: Casing Depth (ft):

440596 Not Reported 22-MAY-06 20

Well completion: Well Type: Static Water Level: Flow Type: Well Test:

28-APR-06 **Resource Protection** Not Reported Not Reported Not Reported

Ecology Well Logs

Not Reported

AE29133

09-OCT-14

Decommisioning

Not Reported

Not Reported

Not Reported

Ecology Well Logs

Resource Protection

Not Reported

SE52885

09-OCT-14

Not Reported

Not Reported

Not Reported

8

8

Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: PARKER PACIFIC INC Not Reported Not Reported Not Reported 10

AC159 NE 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

AC160 NE 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

AC161 NE 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

Ecology Well Logs Not Reported SE52885 8

09-OCT-14 **Resource Protection** Not Reported Not Reported Not Reported

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:

933117 Not Reported 24-OCT-14 50 Union Bank 1815 Not Reported Not Reported 10

WA WELLS

WA WELLS

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 933118 Not Reported 24-OCT-14 50 Union Bank 1815 Not Reported Not Reported 10

WA WELLS WALOG2000622116

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 933042 Not Reported 24-OCT-14 30 Union Bank 1815 Not Reported Not Reported 10

WALOG2000622184

WALOG2000622183

TC7214049.2s Page A-76

Distance Elevation				Database	EDR ID Number
AC162 NE 1/2 - 1 Mile Lower				WA WELLS	WALOG2000339414
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs Not Reported S025952 Not Reported 28-APR-06 Resource Protection Not Reported Not Reported Not Reported		Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	440597 Not Reporte 22-MAY-06 20 PARKER P Not Reporte Not Reporte Not Reporte 10	ACIFIC INC ad ad
AC163 NE 1/2 - 1 Mile Lower				WA WELLS	WALOG2000622115
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs Not Reported AE29133 8 09-OCT-14 Decommisioning Not Reported Not Reported Not Reported		Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	933041 Not Reporte 24-OCT-14 30 Union Bank 1815 Not Reporte Not Reporte 10	ed
AA164 NW 1/2 - 1 Mile Lower				FED USGS	USGS40001249728
Organization ID: Organization Name: Monitor Location: Description: Drainage Area: Contrib Drainage Area: Aquifer: Aquifer: Aquifer Type: Well Depth: Well Hole Depth:	USGS-WA USGS Washington 20N/04E-34B02 Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported	Water Science	Center Type: HUC: Drainage Area Units: Contrib Drainage Area U Formation Type: Construction Date: Well Depth Units: Well Hole Depth Units:	Jnts: Not R Not R 1953 Not R	Reported Reported Reported
Ground water levels,Num Feet below surface: Note:	ber of Measurements: 1.60 Not Reported	1	Level reading date: Feet to sea level:		-05-20 Reported

Distance Elevation			Database	EDR ID Number
Z165 NNE 1/2 - 1 Mile Lower			FED USGS	USGS40001249835
Organization ID: Organization Name: Monitor Location: Description: Drainage Area: Contrib Drainage Area: Aquifer: Aquifer Type: Well Depth: Well Hole Depth:	USGS-WA USGS Washington Water Science C 20N/04E-35A03 HIGH FE Not Reported Not Reported Not Reported Not Reported 94 94	enter Type: HUC: Drainage Area Units: Contrib Drainage Area U Formation Type: Construction Date: Well Depth Units: Well Hole Depth Units:	Well 171100 Not Re Ints: Not Re Not Re 198103 ft ft	eported eported eported
AD166 North 1/2 - 1 Mile Lower			WA WELLS	WALOG2000205854
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs Not Reported 9 Not Reported Resource Protection Not Reported Not Reported Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	277259 Not Reported Not Reported YARD Not Reported Not Reported Not Reported Not Reported 10	1 1 1
AD167 North 1/2 - 1 Mile Lower			WA WELLS	WALOG2000205855
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs Not Reported 9 Not Reported Resource Protection Not Reported Not Reported Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	277260 Not Reported Not Reported YARD Not Reported Not Reported Not Reported 10	1 1 1
AD168 North 1/2 - 1 Mile Lower			WA WELLS	WALOG2000205856

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

277261 Not Reported Not Reported

Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

AD169 North 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

AD170 North 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

AD171 North 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

9 Not Reported **Resource Protection** Not Reported Not Reported Not Reported

Ecology Well Logs

Resource Protection

Not Reported

Not Reported

Not Reported

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Ecology Well Logs

Resource Protection

Ecology Well Logs

Resource Protection

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Not Reported

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Not Reported

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Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: Not Reported YARD Not Reported Not Reported Not Reported 10

WA WELLS

WALOG2000205853

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 277258 Not Reported Not Reported Not Reported YARD Not Reported Not Reported Not Reported 10

WA WELLS WALOG2000205850

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 277255 Not Reported Not Reported Not Reported YARD Not Reported Not Reported 10

WA WELLS WALOG2000205851

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 277256 Not Reported Not Reported Not Reported YARD Not Reported Not Reported Not Reported 10

Not Reported

Distance Elevation			Database	EDR ID Number
AD172 North 1/2 - 1 Mile Lower			WA WELLS	WALOG2000205852
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs Not Reported 9 Not Reported Resource Protection Not Reported Not Reported Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	277257 Not Reporte Not Reporte YARD Not Reporte Not Reporte Not Reporte 10	d d d
AD173 North 1/2 - 1 Mile Lower			WA WELLS	WALOG2000485136
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs Not Reported AE04913 6 10-DEC-08 Decommisioning Not Reported Not Reported Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	668225 Not Reporte 05-AUG-10 10 Cascade Ch Not Reporte Not Reporte Not Reporte 10	ristian Schools d d
AD174 North 1/2 - 1 Mile Lower			WA WELLS	WALOG2000485137
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs Not Reported SE03703 6 10-DEC-08 Resource Protection Not Reported Not Reported Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	668227 Not Reporte 05-AUG-10 10 Cascade Ch Not Reporte Not Reporte Not Reporte 10	ristian Schools d d

1/2 - 1 Mile Lower

> Database: Well Tag #: Notice of Intent #: Diameter (in):

Ecology Well Logs Not Reported SE03703 6 Well Log ID: Project Tag #: Date Received: Casing Depth (ft):

668229 Not Reported 05-AUG-10 10

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

AD176 North 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

AD177 North 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

AD178 North 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test: Not Reported 9 Not Reported Resource Protection Not Reported Not Reported Not Reported

Ecology Well Logs

Resource Protection

Ecology Well Logs

Not Reported

AE04913

10-DEC-08

Not Reported

Not Reported

Not Reported

Decommisioning

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Not Reported

Not Reported

Not Reported

Not Reported

Not Reported

Not Reported

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Ecology Well Logs

Not Reported

PSI: Water Reclamation #:

WA WELLS WALOG2000205857

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 277262 Not Reported Not Reported YARD Not Reported Not Reported Not Reported 10

WA WELLS WALOG2000205858

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 277263 Not Reported Not Reported YARD Not Reported Not Reported Not Reported 10

WA WELLS WALOG2000485135

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:

668223 Not Reported 05-AUG-10 10 Cascade Christian Schools Not Reported Not Reported Not Reported 10

Distance Elevation			Database	EDR ID Number
179 NW 1/2 - 1 Mile Lower			WA WELLS	WALOG2000038347
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs Not Reported Not Reported 6 29-JUN-52 Water Not Reported Not Reported Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	44172 Not Reporte 42 AUGUST L Not Reporte Not Reporte Not Reporte 10	ed UHTALA ed ed
AE180 NNE 1/2 - 1 Mile Lower			WA WELLS	WALOG2000780795
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs BKP818 DE02039 2 02-AUG-17 Water 6 Static Level Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1667403 Not Reporte 29-AUG-17 25 Viking JV L 1374 Not Reporte Not Reporte 10	LC LLC Co Running Bear Developmer
AE181 NNE 1/2 - 1 Mile Lower			WA WELLS	WALOG2000780794
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs BKP817 DE02039 2 02-AUG-17 Water 6 Static Level Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1667402 Not Reporte 29-AUG-17 25 Viking JV L 1374 Not Reporte Not Reporte 10	LC LLC Co Running Bear Developmer

AE182 NNE 1/2 - 1 Mile Lower

> Database: Well Tag #: Notice of Intent #: Diameter (in):

Ecology Well Logs BKP816 DE02039 2 Well Log ID: Project Tag #: Date Received: Casing Depth (ft):

1667401 Not Reported 29-AUG-17 25

Well completion:
Well Type:
Static Water Level:
Flow Type:
Well Test:

02-AUG-17 Water 6 Static Level Not Reported

Ecology Well Logs

BKP819

DE02039

02-AUG-17

Static Level

Not Reported

Water

2

6

Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

WA WELLS WALOG2000780796

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

AE184 NNE 1/2 - 1 Mile

AE183

NNE 1/2 - 1 Mile Lower

Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test: Ecology Well Logs BKP822 DE02039 2 02-AUG-17 Water 6 Static Level Not Reported Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 1667404 Not Reported 29-AUG-17 25 Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

WA WELLS W

WALOG2000780799

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 1667407 Not Reported 29-AUG-17 25 Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

WA WELLS WALC

WALOG2000780798

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 1667406 Not Reported 29-AUG-17 25 Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

AE185 NNE 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test: Ecology Well Logs BKP821 DE02039 2 02-AUG-17 Water 6 Static Level Not Reported

Distance Elevation			Database	EDR ID Number	
AE186 NNE 1/2 - 1 Mile Lower			WA WELLS	WALOG2000780797	
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs BKP820 DE02039 2 02-AUG-17 Water 6 Static Level Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1667405 Not Reported 29-AUG-17 25 Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10		
AE187 NNE 1/2 - 1 Mile Lower			WA WELLS	WALOG2000780792	
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs BKP815 DE02039 2 02-AUG-17 Water 6 Static Level Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1667400 Not Reported 29-AUG-17 25 Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10		
AE188 NNE 1/2 - 1 Mile Lower			WA WELLS	WALOG2000780787	
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs BKP810 DE02039 2 02-AUG-17 Water 6 Static Level Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1667395 Not Reporte 29-AUG-17 25 Viking JV LI 1374 Not Reporte Not Reporte 10	LC LLC Co Running Bear Development	
AE189 NNE 1/2 - 1 Mile			WA WELLS	WALOG2000780786	

NNE 1/2 - 1 Mile Lower

> Database: Well Tag #: Notice of Intent #: Diameter (in):

Ecology Well Logs BKP809 DE02039 2 Well Log ID: Project Tag #: Date Received: Casing Depth (ft):

1667394 Not Reported 29-AUG-17 25

Well completion:
Well Type:
Static Water Level:
Flow Type:
Well Test:

02-AUG-17 Water 6 Static Level Not Reported

Ecology Well Logs

BKP808

DE02039

02-AUG-17

Static Level

Not Reported

Water

2

6

Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

WA WELLS WALOG2000780785

Well Log ID:

1667393 Not Reported 29-AUG-17 25 Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

AE191 NNE 1/2 - 1 Mile Lower

AE190

Database:

Well Tag #:

Diameter (in):

Flow Type:

Well Test:

Notice of Intent #:

Well completion: Well Type:

Static Water Level:

NNE 1/2 - 1 Mile Lower

Database: Well Tag #:

Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

Ecology Well Logs **BKP811** DE02039 2 02-AUG-17 Water 6 Static Level Not Reported

Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:

WA WELLS

WALOG2000780788

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 1667396 Not Reported 29-AUG-17 25 Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

WA WELLS

WALOG2000780791

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 1667399 Not Reported 29-AUG-17 25 Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

AE192 NNE 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type:

Well Test:

Ecology Well Logs **BKP814** DE02039 2 02-AUG-17 Water 6 Static Level Not Reported

		Database	EDR ID Number	
		WA WELLS	WALOG2000780790	
Ecology Well Logs BKP813 DE02039 2 02-AUG-17 Water 6 Static Level Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1667398 Not Reporte 29-AUG-17 25 Viking JV LL 1374 Not Reporte Not Reporte 10	LC LLC Co Running Bear Developmen	
		WA WELLS	WALOG2000780789	
Ecology Well Logs BKP812 DE02039 2 02-AUG-17 Water 6 Static Level Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1667397 Not Reported 29-AUG-17 25 Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10		
		WA WELLS	WALOG2000780810	
Ecology Well Logs BKP833 DE02039 2 02-AUG-17 Water 6 Static Level Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1667418 Not Reporte 29-AUG-17 25 Viking JV LL 1374 Not Reporte Not Reporte 10	LC LLC Co Running Bear Developmen	
•	BKP813 DE02039 2 02-AUG-17 Water 6 Static Level Not Reported Ecology Well Logs BKP812 DE02039 2 02-AUG-17 Water 6 Static Level Not Reported Ecology Well Logs BKP833 DE02039 2 02-AUG-17 Water 6 Static Level Not Reported	BKP813Project Tag #: DE020392Casing Depth (ft): Q2-AUG-17WaterDriller #: Flow Rate (gpm): Static Level6Flow Rate (gpm): PSI: Not ReportedEcology Well LogsWell Log ID: Project Tag #: Date Received: 2 2BKP812Project Tag #: Project Tag #: Date Received: 2 2DE02039Date Received: Casing Depth (ft): 02-AUG-17WaterDriller #: Project Tag #: Date Received: 2 26Flow Rate (gpm): PSI: Not ReportedFactor LevelPSI: PSI: Not ReportedCasing Depth (ft): 02-AUG-17PSI: PSI: PSI: Not ReportedEcology Well LogsWell Log ID: PSI: Not ReportedEcology Well LogsWell Log ID: PSI: PSI: Not ReportedEcology Well LogsWell Log ID: PSI: PSI: Not ReportedEcology Well LogsWell Log ID: PSI: PSI: PSI: PSI: PSI: PSI:	Ecology Well Logs Well Log ID: 1667398 BKP813 Project Tag #: Not Reported DE02039 Date Received: 29-AUG-17 Q2-AUG-17 Well Owner: Viking JV LI Water Driller #: 1374 6 Flow Rate (gpm): Not Reported Not Reported Water Reclamation #: 10 WAWELLS Ecology Well Logs Well Log ID: 1667397 BKP812 Project Tag #: Not Reporte DE02039 Date Received: 29-AUG-17 Vater Driller #: 1374 6 Flow Rate (gpm): Not Reporte Water Driller #: 1374 6 Flow Rate (gpm): Not Reporte Not Reported Water Reclamation #: 10 Well Logs Vater PSI: Not Reporte Not Reported Water Reclamation #: 10 Well Logs Ecology Well Logs Vell Log ID: 1667418 BKP833 Project Tag #: Not Reporte Not Reported	

NNE 1/2 - 1 Mile Lower

> Database: Well Tag #: Notice of Intent #: Diameter (in):

Ecology Well Logs BKP832 DE02039 2 Well Log ID: Project Tag #: Date Received: Casing Depth (ft):

1667417 Not Reported 29-AUG-17 25

Well completion:
Well Type:
Static Water Level:
Flow Type:
Well Test:

02-AUG-17 Water 6 Static Level Not Reported

Ecology Well Logs

BKP831

2

6

DE02039

02-AUG-17

Static Level

Not Reported

Water

Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

WA WELLS WALOG2000780808

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

AE198 NNE 1/2 - 1 Mile Lower

AE197

NNE 1/2 - 1 Mile Lower

> Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type:

Ecology Well Logs BKP834 DE02039 2 02-AUG-17 Water 6 Static Level Not Reported Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 1667416 Not Reported 29-AUG-17 25 Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

WA WELLS WALOG2000780811

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:

1667419 Not Reported 29-AUG-17 25 Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

WA WELLS WALO

WALOG2000780814

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 1667422 Not Reported 29-AUG-17 25 Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

AE199 NNE 1/2 - 1 Mile

Well Test:

1/2 - 1 N Lower

> Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

Ecology Well Logs BKP837 DE02039 2 02-AUG-17 Water 6 Static Level Not Reported

Map ID Direction Distance Elevation			Database	EDR ID Number
AE200 NNE 1/2 - 1 Mile Lower			WA WELLS	WALOG2000780813
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs BKP836 DE02039 2 02-AUG-17 Water 6 Static Level Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1667421 Not Reporte 29-AUG-17 25 Viking JV LL 1374 Not Reporte Not Reporte 10	, LC LLC Co Running Bear Development ed
AE201 NNE 1/2 - 1 Mile Lower			WA WELLS	WALOG2000780812
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs BKP835 DE02039 2 02-AUG-17 Water 6 Static Level Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1667420 Not Reporte 29-AUG-17 25 Viking JV LL 1374 Not Reporte Not Reporte 10	, LC LLC Co Running Bear Development
AE202 NNE 1/2 - 1 Mile Lower			WA WELLS	WALOG2000780807
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs BKP830 DE02039 2 02-AUG-17 Water 6 Static Level Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1667415 Not Reporte 29-AUG-17 25 Viking JV LL 1374 Not Reporte Not Reporte 10	, LC LLC Co Running Bear Development ed
AE203 NNE 1/2 - 1 Mile			WA WELLS	WALOG2000780802

1/2 - 1 Mile Lower

> Database: Well Tag #: Notice of Intent #: Diameter (in):

Ecology Well Logs BKP825 DE02039 2 Well Log ID: Project Tag #: Date Received: Casing Depth (ft):

Well completion:
Well Type:
Static Water Level:
Flow Type:
Well Test:

02-AUG-17 Water 6 Static Level Not Reported

Ecology Well Logs

BKP824

DE02039

02-AUG-17

Static Level

Not Reported

Water

2

6

Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

WA WELLS WALOG2000780801

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

AE205 NNE 1/2 - 1 Mile Lower

AE204

NNE 1/2 - 1 Mile Lower

> Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

Ecology Well Logs BKP823 DE02039 2 02-AUG-17 Water 6 Static Level Not Reported Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 1667409 Not Reported 29-AUG-17 25 Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

WA WELLS W

WALOG2000780800

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 1667408 Not Reported 29-AUG-17 25 Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

WA WELLS WALC

WALOG2000780803

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 1667411 Not Reported 29-AUG-17 25 Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

AE206 NNE 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test: Ecology Well Logs BKP826 DE02039 2 02-AUG-17 Water 6 Static Level Not Reported

TC7214049.2s Page A-89

		Database	EDR ID Number
		WA WELLS	WALOG2000780806
Ecology Well Logs BKP829 DE02039 2 02-AUG-17 Water 6 Static Level Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1667414 Not Reporte 29-AUG-17 25 Viking JV LI 1374 Not Reporte Not Reporte 10	LC LLC Co Running Bear Development
		WA WELLS	WALOG2000780805
Ecology Well Logs BKP828 DE02039 2 02-AUG-17 Water 6 Static Level Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1667413 Not Reporte 29-AUG-17 25 Viking JV LI 1374 Not Reporte Not Reporte 10	LC LLC Co Running Bear Development
		WA WELLS	WALOG2000780804
Ecology Well Logs BKP827 DE02039 2 02-AUG-17 Water 6 Static Level Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1667412 Not Reporte 29-AUG-17 25 Viking JV LI 1374 Not Reporte Not Reporte 10	LC LLC Co Running Bear Development
	BKP829 DE02039 2 02-AUG-17 Water 6 Static Level Not Reported Ecology Well Logs BKP828 DE02039 2 02-AUG-17 Water 6 Static Level Not Reported Ecology Well Logs BKP827 DE02039 2 02-AUG-17 Water 6 Static Level Not Reported	BKP829Project Tag #: DE020392Casing Depth (ft): O2-AUG-17WaterDriller #: Flow Rate (gpm): Static Level6Flow Rate (gpm): PSI: Not ReportedEcology Well LogsWell Log ID: PSI: Not ReportedBKP828 DE02039Project Tag #: Date Received: 2 Casing Depth (ft): 02-AUG-17WaterCasing Depth (ft): Water6Flow Rate (gpm): PSI: Not ReportedEcology Well LogsWell Log ID: PSI: Not ReportedEcology Well LogsWell Log ID: PSI: Project Tag #: DE02039Date Received: Casing Depth (ft): Vater02-AUG-17Well Owner: Driller #: Fo G6Flow Rate (gpm): PSI:6Flow Rate (gpm): PSI:	Ecology Well Logs Well Log ID: 1667414 BKP829 Project Tag #: Not Reported DE02039 Date Received: 29-AUG-17 Q2-AUG-17 Well Owner: Viking JV Li Water Diller #: 1374 6 Flow Rate (gpm): Not Reported Not Reported Water Reclamation #: 10 WAWELLS Ecology Well Logs Well Log ID: 1667413 BKP828 Project Tag #: Not Reported DE02039 Date Received: 29-AUG-17 Vater Driller #: 1374 6 Flow Rate (gpm): Not Reported Water Driller #: 1374 6 Flow Rate (gpm): Not Reported Water Project Tag #: Not Reported Water Driller #: 1374 6 Flow Rate (gpm): Not Reported Not Reported Water Reclamation #: 10 WA WELLS Ecology Well Logs Well Log ID: 1667412 BKP827 Project Tag #: Not Reporte Date Receive

1/2 - 1 Mile Lower

> Database: Well Tag #: Notice of Intent #: Diameter (in):

Ecology Well Logs BKP807 DE02039 2 Well Log ID: Project Tag #: Date Received: Casing Depth (ft):

Well completion: Well Type: Static Water Level: Flow Type: Well Test:

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

AE211 NNE 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

AE212 NNE 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

AE213 NNE 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

Not Reported AE43275 8 01-JUN-17 Decommisioning Not Reported Dry Hole Not Reported

Ecology Well Logs

Ecology Well Logs Not Reported SE62288 01-JUN-17 **Resource Protection** Not Reported Dry Hole Not Reported

Ecology Well Logs

Not Reported

AE43275

01-JUN-17

Dry Hole

Decommisioning

Not Reported

Not Reported

8

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WA WELLS WALOG2000757122

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 1625776 Not Reported 12-JUN-17 26.5 Albertsons 3208 Not Reported Not Reported 10

WA WELLS WALOG2000757121

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:

1625775 Not Reported 12-JUN-17 21.5 Albertsons 3208 Not Reported Not Reported 10

WA WELLS WALOG2000757120

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 1625774 Not Reported 12-JUN-17 21.5 Albertsons 3208 Not Reported Not Reported

10

		Database	EDR ID Number
		WA WELLS	WALOG2000757123
Ecology Well Logs Not Reported AE43275 8 01-JUN-17 Decommisioning Not Reported Dry Hole Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1625777 Not Reporte 12-JUN-17 26.5 Albertsons 3208 Not Reporte Not Reporte 10	ed
		WA WELLS	WALOG2000778362
Ecology Well Logs BKD370 DE02039 2 04-AUG-17 Water 6 Static Level Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1658367 Not Reporte 29-AUG-17 25 Viking JV LL 1374 Not Reporte Not Reporte 10	LC LLC Co Running Bear Developmer
		WA WELLS	WALOG2000778361
Ecology Well Logs BKD369 DE02039 2 04-AUG-17 Water 6 Static Level Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1658366 Not Reporte 29-AUG-17 25 Viking JV LL 1374 Not Reporte Not Reporte 10	LC LLC Co Running Bear Developmer
	Not Reported AE43275 8 01-JUN-17 Decommisioning Not Reported Dry Hole Not Reported Ecology Well Logs BKD370 DE02039 2 04-AUG-17 Water 6 Static Level Not Reported Ecology Well Logs BKD369 DE02039 2 04-AUG-17 Water 6 Static Level Not Reported	Not ReportedProject Tag #: Date Received: Casing Depth (ft): U1-JUN-1701-JUN-17Well Owner: DecommisioningDecommisioningDriller #: Flow Rate (gpm): PSI: Not ReportedDry HolePSI: Water Reclamation #:Ecology Well LogsWell Log ID: Project Tag #: DE02039DE02039Date Received: Casing Depth (ft): 04-AUG-17WaterDriller #: Casing Depth (ft): Not Reported6Flow Rate (gpm): PSI: Not ReportedEcology Well LogsWell Log ID: WaterEcology Well LogsWell Casing Depth (ft): PSI: Not ReportedEcology Well LogsWell Casing Depth (ft): PSI: Not ReportedEcology Well LogsWell Log ID: PSI: Not ReportedEcology Well LogsWell Log ID: PSI: PSI: Not ReportedEcology Well LogsWell Log ID: PSI: PSI: PSI:Ecology Well LogsWell Log ID: PSI: PSI:Ecology Well LogsWell Casing Depth (ft): PSI:Ecology Well LogsProject Tag #: PSI: PSI:Ecology Well LogsProject Tag #: PSI:Ecology Well LogsProject Tag #: PSI:Ecology Well LogsProject Tag #: PSI:Ecology Well Logs <t< td=""><td>Ecology Well Logs Well Log ID: 1625777 Not Reported Project Tag #: Not Reported AE43275 Date Received: 12-JUN-17 8 Casing Depth (ft): 26.5 01-JJIN-17 Well Owner: Albertsons Decommisioning Driller #: 3208 Not Reported Flow Rate (gpm): Not Reporte Dry Hole PSI: Not Reported Not Reported Water Reclamation #: 10 WAWELLS Ecology Well Logs Well Log ID: 1658367 BKD370 Project Tag #: Not Reported DE02039 Date Received: 29-AUG-17 Q4-AUG-17 Well Owner: Viking JV LL Water Driller #: 1374 6 Flow Rate (gpm): Not Reporte Not Reported Water Reclamation #: 10 Well Logs BKD369 Project Tag #: Not Reporte Not Reported Water Reclamation #: 10 Water Reclamation #: 10 Water Reclamation #: 10</td></t<>	Ecology Well Logs Well Log ID: 1625777 Not Reported Project Tag #: Not Reported AE43275 Date Received: 12-JUN-17 8 Casing Depth (ft): 26.5 01-JJIN-17 Well Owner: Albertsons Decommisioning Driller #: 3208 Not Reported Flow Rate (gpm): Not Reporte Dry Hole PSI: Not Reported Not Reported Water Reclamation #: 10 WAWELLS Ecology Well Logs Well Log ID: 1658367 BKD370 Project Tag #: Not Reported DE02039 Date Received: 29-AUG-17 Q4-AUG-17 Well Owner: Viking JV LL Water Driller #: 1374 6 Flow Rate (gpm): Not Reporte Not Reported Water Reclamation #: 10 Well Logs BKD369 Project Tag #: Not Reporte Not Reported Water Reclamation #: 10 Water Reclamation #: 10 Water Reclamation #: 10

1/2 - 1 Mile Lower

> Database: Well Tag #: Notice of Intent #: Diameter (in):

Ecology Well Logs BKD368 DE02039 2 Well Log ID: Project Tag #: Date Received: Casing Depth (ft):

Well completion:
Well Type:
Static Water Level:
Flow Type:
Well Test:

04-AUG-17 Water 6 Static Level Not Reported Well Owner: Driller #: Flow Rate (gpm): PSI:

Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

AE218 NNE 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

AE219 NNE 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

AE220 NNE 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

Not Reported RE09865 9 21-APR-14 **Resource Protection** Not Reported Not Reported Not Reported

Ecology Well Logs

Ecology Well Logs Not Reported AE43275 01-JUN-17 Decommisioning Not Reported Dry Hole Not Reported

Ecology Well Logs

Resource Protection

Not Reported

SE62288

01-JUN-17

Dry Hole

Not Reported

Not Reported

8

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Water Reclamation #:

WA WELLS WALOG2000757119

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 1625773 Not Reported 12-JUN-17 21.5 Albertsons 3208 Not Reported Not Reported 10

WA WELLS WALOG2000757074

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:

1625728 Not Reported 12-JUN-17 51.5 Albertsons 3208 Not Reported Not Reported 10

WA WELLS WALOG2000618035

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 926593 Not Reported 29-AUG-14 89 Car Wash Enterprises 3119 Not Reported Not Reported

10

Elevation			Database	EDR ID Number
AE221 NNE 1/2 - 1 Mile Lower			WA WELLS	WALOG2000044813
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs Not Reported 065561 6 08-MAR-91 Water Not Reported Not Reported Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	51513 Not Reported Not Reported 118 PUTNAM RIC 0284 Not Reported Not Reported 10	CHARD
AE222 NNE I/2 - 1 Mile Lower			WA WELLS	WALOG2000757075
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs Not Reported AE43275 8 01-JUN-17 Decommisioning Not Reported Dry Hole Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1625729 Not Reported 12-JUN-17 51.5 Albertsons 3208 Not Reported Not Reported 10	
AE223 NNE I/2 - 1 Mile Lower			WA WELLS	WALOG2000757118
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs Not Reported SE62288 8 01-JUN-17 Resource Protection Not Reported Dry Hole Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1625772 Not Reported 12-JUN-17 21.5 Albertsons 3208 Not Reported Not Reported 10	

1/2 - 1 Mile Lower

> Database: Well Tag #: Notice of Intent #: Diameter (in):

Ecology Well Logs Not Reported SE62288 8 Well Log ID: Project Tag #: Date Received: Casing Depth (ft):

1625771 Not Reported 12-JUN-17 21.5

Well completion: Well Type: Static Water Level: Flow Type: Well Test:

01-JUN-17 **Resource Protection** Not Reported Dry Hole Not Reported

Ecology Well Logs

Resource Protection

Not Reported

SE62288

01-JUN-17

Dry Hole

Not Reported

Not Reported

8

Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: Albertsons 3208 Not Reported Not Reported 10

AE225 NNE 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

AE226 NNE 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

Ecology Well Logs **BKP802** DE02039 2 02-AUG-17 Water 6 Static Level Not Reported

WA WELLS WALOG2000757116

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): Water Reclamation #:

PSI:

1625770 Not Reported 12-JUN-17 21.5 Albertsons 3208 Not Reported Not Reported 10

WA WELLS

WALOG2000780779

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 1667387 Not Reported 29-AUG-17 25 Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

WA WELLS

WALOG2000780778

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 1667386 Not Reported 29-AUG-17 25 Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

AE227 NNE 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type:

Well Test:

Ecology Well Logs **BKP801** DE02039 2 02-AUG-17 Water 6 Static Level Not Reported

	WALOG2000778371
Not Reporte 29-AUG-17 25 Viking JV LL	:d
1374 Not Reporte Not Reporte 10	
WA WELLS	WALOG2000780780
1667388 Not Reporte 29-AUG-17 25 Viking JV LL 1374 Not Reporte Not Reporte 10	LC LLC Co Running Bear Developmen
WA WELLS	WALOG2000780783
1667391 Not Reporte 29-AUG-17 25 Viking JV LL 1374 Not Reporte Not Reporte 10	LC LLC Co Running Bear Developmen
_	10 WA WELLS 1667388 Not Reporte 29-AUG-17 25 Viking JV LL 1374 Not Reporte 10 WA WELLS 1667391 Not Reporte 29-AUG-17 25 Viking JV LL 1374 Not Reporte 29-AUG-17 25 Viking JV LL 1374 Not Reporte

NNE 1/2 - 1 Mile Lower

> Database: Well Tag #: Notice of Intent #: Diameter (in):

Ecology Well Logs BKP805 DE02039 2 Well Log ID: Project Tag #: Date Received: Casing Depth (ft):

Well completion:
Well Type:
Static Water Level:
Flow Type:
Well Test:

02-AUG-17 Water 6 Static Level Not Reported

Ecology Well Logs

BKP804

DE02039

02-AUG-17

Static Level

Not Reported

Water

2

6

Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

WA WELLS WALOG2000780781

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

AE233 NNE 1/2 - 1 Mile Lower

AE232

NNE 1/2 - 1 Mile Lower

> Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

Ecology Well Logs **BKD378** DE02039 2 04-AUG-17 Water 6 Static Level Not Reported

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:

Well Log ID:

Well Owner:

Driller #:

PSI:

Project Tag #:

Date Received: Casing Depth (ft):

Flow Rate (gpm):

Water Reclamation #:

1667389 Not Reported 29-AUG-17 25 Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

WA WELLS WALOG2000778370

1658375

Not Reported 29-AUG-17 25 Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported

WA WELLS

WALOG2000778365

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 1658370 Not Reported 29-AUG-17 25 Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

AE234 NNE 1/2 - 1 Mile

Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

Ecology Well Logs **BKD373** DE02039 2 04-AUG-17 Water 6 Static Level Not Reported

10

Elevation			Database	EDR ID Number
AE235 NNE 1/2 - 1 Mile Lower			WA WELLS	WALOG2000778364
Database:	Ecology Well Logs	Well Log ID:	1658369	LC LLC Co Running Bear Developmer
Well Tag #:	BKD372	Project Tag #:	Not Reporte	
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 LI	
Well Type:	Water	Driller #:	1374	
Static Water Level:	6	Flow Rate (gpm):	Not Reporte	
Flow Type:	Static Level	PSI:	Not Reporte	
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	LC LLC Co Running Bear Developmer
Well Tag #:	BKD371	Project Tag #:	Not Reporte	
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 LI	
Well Type:	Water	Driller #:	1374	
Static Water Level:	6	Flow Rate (gpm):	Not Reporte	
Flow Type:	Static Level	PSI:	Not Reporte	
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	LC LLC Co Running Bear Developmer
Well Tag #:	BKD374	Project Tag #:	Not Reporte	
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 LI	
Well Type:	Water	Driller #:	1374	
Static Water Level:	6	Flow Rate (gpm):	Not Reporte	
Flow Type:	Static Level	PSI:	Not Reporte	
Well Test:	Not Reported	Water Reclamation #:	10	
Well Type:	Water	Driller #:	1374	ed
Static Water Level:	6	Flow Rate (gpm):	Not Reporte	
Flow Type:	Static Level	PSI:	Not Reporte	

NNE 1/2 - 1 Mile Lower

> Database: Well Tag #: Notice of Intent #: Diameter (in):

Ecology Well Logs BKD377 DE02039 2 Well Log ID: Project Tag #: Date Received: Casing Depth (ft):

Well completion:
Well Type:
Static Water Level:
Flow Type:
Well Test:

04-AUG-17 Water 6 Static Level Not Reported

Ecology Well Logs

BKD376

DE02039

04-AUG-17

Static Level

Not Reported

Water

2

6

Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

WA WELLS WALOG2000778368

Well Log ID:

1658373 Not Reported 29-AUG-17 25 Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

AE240 NNE 1/2 - 1 Mile

AE239

Database:

Well Tag #:

Diameter (in):

Flow Type:

Well Test:

Notice of Intent #:

Well completion: Well Type:

Static Water Level:

NNE 1/2 - 1 Mile Lower

Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

Ecology Well Logs **BKD375** DE02039 2 04-AUG-17 Water 6 Static Level Not Reported

Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:

WA WELLS

WALOG2000778367

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 1658372 Not Reported 29-AUG-17 25 Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

WA WELLS

WALOG2000837766

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 1884252 Not Reported 30-JAN-19 25 Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

AE241 NNE 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

Ecology Well Logs BLA961 DE02039 2 13-SEP-17 Water Not Reported Static Level Not Reported

Distance Elevation			Database	EDR ID Number
AE242 NNE 1/2 - 1 Mile Lower			WA WELLS	WALOG2000837765
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs BLA960 DE02039 2 13-SEP-17 Water Not Reported Static Level Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1884251 Not Reporte 30-JAN-19 25 Viking JV L 1374 Not Reporte Not Reporte 10	LC LLC Co Running Bear Development
AE243 NNE 1/2 - 1 Mile Lower			WA WELLS	WALOG2000837764
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs BLA959 DE02039 2 13-SEP-17 Water Not Reported Static Level Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1884250 Not Reporte 30-JAN-19 25 Viking JV L 1374 Not Reporte Not Reporte 10	LC LLC Co Running Bear Development
AE244 NNE 1/2 - 1 Mile Lower			WA WELLS	WALOG2000837767
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs BLA962 DE02039 2 13-SEP-17 Water Not Reported Static Level Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1884253 Not Reporte 30-JAN-19 25 Viking JV L 1374 Not Reporte Not Reporte 10	LC LLC Co Running Bear Development
AE245 NNE 1/2 - 1 Mile			WA WELLS	WALOG2000837770

1/2 - 1 Mile Lower

> Database: Well Tag #: Notice of Intent #: Diameter (in):

Ecology Well Logs BLA965 DE02039 2 Well Log ID: Project Tag #: Date Received: Casing Depth (ft):

1884256 Not Reported 30-JAN-19 25

Well completion: Well Type: Static Water Level: Flow Type: Well Test:

13-SEP-17 Water Not Reported Static Level Not Reported

Ecology Well Logs

BLA964

2

DE02039

13-SEP-17

Not Reported

Not Reported

Static Level

Water

Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

WA WELLS WALOG2000837769

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm):

1884255 Not Reported 30-JAN-19 25 Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

AE247 NNE 1/2 - 1 Mile Lower

AE246

Database:

Well Tag #:

Diameter (in):

Flow Type:

Well Test:

Notice of Intent #:

Well completion: Well Type:

Static Water Level:

NNE 1/2 - 1 Mile Lower

> Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

Ecology Well Logs **BLA963** DE02039 2 13-SEP-17 Water Not Reported Static Level Not Reported

Water Reclamation #:

PSI:

WA WELLS WALOG2000837768

Not Reported

10

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 1884254 Not Reported 30-JAN-19 25 Viking JV LLC LLC Co Running Bear Development 1374 Not Reported

WA WELLS

WALOG2000837763

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 1884249 Not Reported 30-JAN-19 25 Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

AE248 NNE 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type:

Well Test:

Ecology Well Logs **BLA958** DE02039 2 13-SEP-17 Water Not Reported Static Level Not Reported

Direction Distance Elevation			Database	EDR ID Number
AE249 NNE 1/2 - 1 Mile Lower			WA WELLS	WALOG2000837758
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs BLA953 DE02039 2 13-SEP-17 Water Not Reported Static Level Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1884244 Not Reporte 30-JAN-19 25 Viking JV LI 1374 Not Reporte Not Reporte 10	LC LLC Co Running Bear Development
AE250 NNE 1/2 - 1 Mile Lower			WA WELLS	WALOG2000837757
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs BLA952 DE02039 2 13-SEP-17 Water Not Reported Static Level Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1884243 Not Reporte 30-JAN-19 25 Viking JV LI 1374 Not Reporte Not Reporte 10	LC LLC Co Running Bear Development
AE251 NNE 1/2 - 1 Mile Lower			WA WELLS	WALOG2000837756
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs BLA951 DE02039 2 13-SEP-17 Water Not Reported Static Level Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1884242 Not Reporte 30-JAN-19 25 Viking JV LI 1374 Not Reporte Not Reporte 10	LC LLC Co Running Bear Development
AE252 NNE 1/2 - 1 Mile			WA WELLS	WALOG2000837759

1/2 - 1 Mile Lower

> Database: Well Tag #: Notice of Intent #: Diameter (in):

Ecology Well Logs BLA954 DE02039 2 Well Log ID: Project Tag #: Date Received: Casing Depth (ft):

1884245 Not Reported 30-JAN-19 25

Well completion: Well Type: Static Water Level: Flow Type: Well Test: 13-SEP-17 Water Not Reported Static Level Not Reported

Ecology Well Logs

BLA957

2

DE02039

13-SEP-17

Not Reported

Not Reported

Static Level

Water

Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

WA WELLS WALOG2000837762

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:

1884248 Not Reported 30-JAN-19 25 Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

AE254 NNE 1/2 - 1 Mile Lower

AE253

Database:

Well Tag #:

Diameter (in):

Flow Type:

Well Test:

Notice of Intent #:

Well completion: Well Type:

Static Water Level:

NNE 1/2 - 1 Mile Lower

> Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

Ecology Well Logs BLA956 DE02039 2 13-SEP-17 Water Not Reported Static Level Not Reported

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:

WA WELLS WALOG2000837761

1374

10

Not Reported

Not Reported

1884247 Not Reported 30-JAN-19 25 Viking JV LLC LLC Co Running Bear Development

WA WELLS WAL

WALOG2000837760

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 1884246 Not Reported 30-JAN-19 25 Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

AE255 NNE 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test: Ecology Well Logs BLA955 DE02039 2 13-SEP-17 Water Not Reported Static Level Not Reported

		Database	EDR ID Number
_	_	WA WELLS	WALOG2000837781
Ecology Well Logs BLA976 DE02039 2 13-SEP-17 Water Not Reported Static Level Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1884267 Not Reporte 30-JAN-19 25 Viking JV LL 1374 Not Reporte Not Reporte 10	LC LLC Co Running Bear Development
		WA WELLS	WALOG2000837780
Ecology Well Logs BLA975 DE02039 2 13-SEP-17 Water Not Reported Static Level Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1884266 Not Reporte 30-JAN-19 25 Viking JV LL 1374 Not Reporte Not Reporte 10	LC LLC Co Running Bear Development
		WA WELLS	WALOG2000837779
Ecology Well Logs BLA974 DE02039 2 13-SEP-17 Water Not Reported Static Level Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1884265 Not Reporte 30-JAN-19 25 Viking JV LI 1374 Not Reporte Not Reporte 10	LC LLC Co Running Bear Development
-	BLA976 DE02039 2 13-SEP-17 Water Not Reported Static Level Not Reported BLA975 DE02039 2 13-SEP-17 Water Not Reported Static Level Not Reported Static Level Not Reported Static Level Not Reported Static Level Not Reported Static Level Not Reported Static Level	BLA976Project Tag #: DE020392Date Received: Casing Depth (ft): 13-SEP-17WaterDriller #: Not ReportedNot ReportedFlow Rate (gpm): PSI: Not ReportedStatic LevelPSI: Vater Reclamation #:Not ReportedWell Log ID: PSI: DE020392Casing Depth (ft): 13-SEP-17WaterDriller #: Project Tag #: Date Received: Casing Depth (ft): Not Reported13-SEP-17Well Log ID: PSI: Not ReportedKaterProject Tag #: Project Tag #: Date Received: PSI:Not ReportedFlow Rate (gpm): PSI: Not ReportedEcology Well LogsWell Log ID: PSI: Not ReportedEcology Well LogsWell Log ID: PSI: PSI: Not ReportedEcology Well LogsWell Log ID: PSI: PSI: PSI:Ecology Well LogsWell Log ID: PSI: PSI:Ecology Well LogsWell Log ID: PSI:Ecology Well LogsWell Log ID	Ecology Well Logs Well Log ID: 1884267 BLA976 Project Tag #: Not Reported DE02039 Date Received: 30-JAN-19 2 Casing Depth (ft): 25 13-SEP-17 Well Log ID: 1374 Not Reported Flow Rate (gpm): Not Reported Static Level PSI: Not Reported Not Reported Vater Reclamation #: 10 Water Project Tag #: Not Reported SLA975 Project Tag #: Not Reported Vater Poiler #: 10 Water Driller #: 1374 Not Reported Water Reclamation #: 10 Vater Driller #: 1374 Not Reported Flow Rate (gpm): Not Reported Static Level PSI: Not Reported Not Reported Vater Reclamation #: 10 Water Driller #: 1374 Not Reported Poiect Tag #: Not Reported Not Reported Vater Reclamation #: 10 Water Driller #: 10 VA

NNE 1/2 - 1 Mile Lower

> Database: Well Tag #: Notice of Intent #: Diameter (in):

Ecology Well Logs BLA977 DE02039 2 Well Log ID: Project Tag #: Date Received: Casing Depth (ft):

1884268 Not Reported 30-JAN-19 25

Well completion: Well Type: Static Water Level: Flow Type: Well Test:

13-SEP-17 Water Not Reported Static Level Not Reported

Ecology Well Logs

BLA980

2

DE02039

13-SEP-17

Not Reported

Not Reported

Static Level

Water

Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

WA WELLS WALOG2000837785

Well Log ID: Project Tag #:

1884271 Not Reported 30-JAN-19 25 Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

AE261 NNE 1/2 - 1 Mile Lower

AE260

Database:

Well Tag #:

Diameter (in):

Flow Type:

Well Test:

Notice of Intent #:

Well completion: Well Type:

Static Water Level:

NNE 1/2 - 1 Mile Lower

> Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

Ecology Well Logs **BLA979** DE02039 2 13-SEP-17 Water Not Reported Static Level Not Reported

Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:

WA WELLS

WALOG2000837784

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 1884270 Not Reported 30-JAN-19 25 Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

WA WELLS

WALOG2000837783

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:

Not Reported 30-JAN-19 25 Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

AE262 NNE 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

Ecology Well Logs BLA978 DE02039 2 13-SEP-17 Water Not Reported Static Level Not Reported

1884269

Distance Elevation			Database	EDR ID Number
AE263 NNE 1/2 - 1 Mile Lower			WA WELLS	WALOG2000837778
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs BLA973 DE02039 2 13-SEP-17 Water Not Reported Static Level Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1884264 Not Reporte 30-JAN-19 25 Viking JV L 1374 Not Reporte Not Reporte 10	LC LLC Co Running Bear Development
AE264 NNE 1/2 - 1 Mile Lower			WA WELLS	WALOG2000837773
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs BLA968 DE02039 2 13-SEP-17 Water Not Reported Static Level Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1884259 Not Reporte 30-JAN-19 25 Viking JV L 1374 Not Reporte Not Reporte 10	LC LLC Co Running Bear Development
AE265 NNE 1/2 - 1 Mile Lower			WA WELLS	WALOG2000837772
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs BLA967 DE02039 2 13-SEP-17 Water Not Reported Static Level Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1884258 Not Reporte 30-JAN-19 25 Viking JV L 1374 Not Reporte Not Reporte 10	LC LLC Co Running Bear Development
AE266 NNE 1/2 - 1 Mile			WA WELLS	WALOG2000837771

1/2 - 1 Mile Lower

> Database: Well Tag #: Notice of Intent #: Diameter (in):

Ecology Well Logs BLA966 DE02039 2 Well Log ID: Project Tag #: Date Received: Casing Depth (ft):

1884257 Not Reported 30-JAN-19 25

Well completion: Well Type: Static Water Level: Flow Type: Well Test:

13-SEP-17 Water Not Reported Static Level Not Reported

Ecology Well Logs

BLA969

2

DE02039

13-SEP-17

Not Reported

Not Reported

Static Level

Water

Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

WA WELLS WALOG2000837774

Well Log ID:

1884260 Not Reported 30-JAN-19 25 Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

AE268 NNE 1/2 - 1 Mile

AE267

Database:

Well Tag #:

Diameter (in):

Flow Type:

Well Test:

Notice of Intent #:

Well completion: Well Type:

Static Water Level:

NNE 1/2 - 1 Mile Lower

Lower Database:

Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

Ecology Well Logs BLA972 DE02039 2 13-SEP-17 Water Not Reported Static Level Not Reported

Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:

Well Log ID:

Well Owner:

Driller #:

Driller #:

PSI:

PSI:

Project Tag #:

Date Received: Casing Depth (ft):

Flow Rate (gpm):

Water Reclamation #:

WA WELLS WALOG2000837777

1884263 Not Reported 30-JAN-19 25 1374

Viking JV LLC LLC Co Running Bear Development Not Reported Not Reported 10

WA WELLS

WALOG2000837776

Well Log ID: 1884262 Project Tag #: Date Received: 30-JAN-19 Casing Depth (ft): 25 Well Owner: 1374 Flow Rate (gpm): Water Reclamation #: 10

Not Reported Viking JV LLC LLC Co Running Bear Development Not Reported Not Reported

AE269 NNE 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

Ecology Well Logs BLA971 DE02039 2 13-SEP-17 Water Not Reported Static Level Not Reported

TC7214049.2s Page A-107

Distance Elevation			Database	EDR ID Number
AE270 NNE 1/2 - 1 Mile Lower			WA WELLS	WALOG2000837775
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs BLA970 DE02039 2 13-SEP-17 Water Not Reported Static Level Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1884261 Not Reporte 30-JAN-19 25 Viking JV LL 1374 Not Reporte Not Reporte 10	LC LLC Co Running Bear Development
AE271 NNE 1/2 - 1 Mile Lower			WA WELLS	WALOG2000780825
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs BKP848 DE02039 2 02-AUG-17 Water 6 Static Level Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1667433 Not Reporte 29-AUG-17 25 Viking JV LL 1374 Not Reporte Not Reporte 10	LC LLC Co Running Bear Development
AE272 NNE 1/2 - 1 Mile Lower			WA WELLS	WALOG2000780824
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs BKP847 DE02039 2 02-AUG-17 Water 6 Static Level Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1667432 Not Reporte 29-AUG-17 25 Viking JV LL 1374 Not Reporte Not Reporte 10	LC LLC Co Running Bear Development

NNE 1/2 - 1 Mile Lower

> Database: Well Tag #: Notice of Intent #: Diameter (in):

Ecology Well Logs BKP846 DE02039 2 Well Log ID: Project Tag #: Date Received: Casing Depth (ft):

Well completion:
Well Type:
Static Water Level:
Flow Type:
Well Test:

02-AUG-17 Water 6 Static Level Not Reported

Ecology Well Logs

BKP849

DE02039

02-AUG-17

Static Level

Not Reported

Water

2

6

Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

WA WELLS WALOG2000780826

Well Log ID: 1667434 25 1374

Not Reported 29-AUG-17 Viking JV LLC LLC Co Running Bear Development Not Reported Not Reported 10

AE275 NNE 1/2 - 1 Mile Lower

AE274

Database:

Well Tag #:

Diameter (in):

Flow Type: Well Test:

Notice of Intent #:

Well completion: Well Type:

Static Water Level:

NNE 1/2 - 1 Mile Lower

> Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

Ecology Well Logs **BKP852** DE02039 2 02-AUG-17 Water 6 Static Level Not Reported

Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:

WA WELLS

WALOG2000780829

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 1667437 Not Reported 29-AUG-17 25 Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

WA WELLS

WALOG2000780828

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 1667436 Not Reported 29-AUG-17 25 Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

AE276 NNE 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

Ecology Well Logs **BKP851** DE02039 2 02-AUG-17 Water 6 Static Level Not Reported

Distance Elevation			Database	EDR ID Number
AE277 NNE 1/2 - 1 Mile Lower			WA WELLS	WALOG2000780827
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs BKP850 DE02039 2 02-AUG-17 Water 6 Static Level Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1667435 Not Reporte 29-AUG-17 25 Viking JV LI 1374 Not Reporte Not Reporte 10	LC LLC Co Running Bear Development
AE278 NNE 1/2 - 1 Mile Lower			WA WELLS	WALOG2000780822
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs BKP845 DE02039 2 02-AUG-17 Water 6 Static Level Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1667430 Not Reporte 29-AUG-17 25 Viking JV LI 1374 Not Reporte Not Reporte 10	LC LLC Co Running Bear Development
AE279 NNE 1/2 - 1 Mile Lower			WA WELLS	WALOG2000780817
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs BKP840 DE02039 2 02-AUG-17 Water 6 Static Level Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1667425 Not Reporte 29-AUG-17 25 Viking JV LI 1374 Not Reporte Not Reporte 10	LC LLC Co Running Bear Development
AE280 NNE 1/2 - 1 Mile			WA WELLS	WALOG2000780816

NNE 1/2 - 1 Mile Lower

> Database: Well Tag #: Notice of Intent #: Diameter (in):

Ecology Well Logs BKP839 DE02039 2 Well Log ID: Project Tag #: Date Received: Casing Depth (ft):

Well completion:
Well Type:
Static Water Level:
Flow Type:
Well Test:

02-AUG-17 Water 6 Static Level Not Reported

Ecology Well Logs

BKP838

DE02039

02-AUG-17

Static Level

Not Reported

Water

2

6

Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

WA WELLS WALOG2000780815

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

AE282 NNE 1/2 - 1 Mile Lower

AE283 NNE

1/2 - 1 Mile Lower

Database:

Well Tag #:

Well Type:

Flow Type:

Well Test:

Diameter (in):

Well completion:

AE281

NNE 1/2 - 1 Mile Lower

> Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

Ecology Well Logs **BKP841** DE02039 2 02-AUG-17 Water 6 Static Level Not Reported

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:

Well Log ID:

Well Owner:

Driller #:

PSI:

Project Tag #:

Date Received: Casing Depth (ft):

Flow Rate (gpm):

Water Reclamation #:

1667423 Not Reported 29-AUG-17 25 Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

WA WELLS WALOG2000780818

1667426 Not Reported 29-AUG-17 25 Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

WA WELLS

WALOG2000780821

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 1667429 Not Reported 29-AUG-17 25 Viking JV LLC LLC Co Running Bear Development 1374 Not Reported

Not Reported 10

Ecology Well Logs **BKP844** Notice of Intent #: DE02039 2 02-AUG-17 Water Static Water Level: 6

Static Level Not Reported

TC7214049.2s Page A-111

Distance Elevation			Database	EDR ID Number
AE284 NNE 1/2 - 1 Mile Lower			WA WELLS	WALOG2000780820
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs BKP843 DE02039 2 02-AUG-17 Water 6 Static Level Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1667428 Not Reporte 29-AUG-17 25 Viking JV LI 1374 Not Reporte Not Reporte 10	LC LLC Co Running Bear Development
AE285 NNE 1/2 - 1 Mile Lower			WA WELLS	WALOG2000780819
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs BKP842 DE02039 2 02-AUG-17 Water 6 Static Level Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1667427 Not Reporte 29-AUG-17 25 Viking JV LI 1374 Not Reporte Not Reporte 10	LC LLC Co Running Bear Development
AE286 NNE 1/2 - 1 Mile Lower			WA WELLS	WALOG2000780840
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs BKP863 DE02039 2 02-AUG-17 Water 6 Static Level Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1667448 Not Reporte 29-AUG-17 25 Viking JV LI 1374 Not Reporte Not Reporte 10	LC LLC Co Running Bear Development
AE287 NNE 1/2 - 1 Mile			WA WELLS	WALOG2000780839

1/2 - 1 Mile Lower

> Database: Well Tag #: Notice of Intent #: Diameter (in):

Ecology Well Logs BKP862 DE02039 2 Well Log ID: Project Tag #: Date Received: Casing Depth (ft):

Well completion:
Well Type:
Static Water Level:
Flow Type:
Well Test:

02-AUG-17 Water 6 Static Level Not Reported

Ecology Well Logs

BKP861

2

6

DE02039

02-AUG-17

Static Level

Not Reported

Water

Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

WA WELLS WALOG2000780838

Lower Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

AE289 NNE 1/2 - 1 Mile Lower

AE288

NNE 1/2 - 1 Mile

> Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

Ecology Well Logs BKP864 DE02039 2 02-AUG-17 Water 6 Static Level Not Reported Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 1667446 Not Reported 29-AUG-17 25 Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

WA WELLS WALOG2000780841

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:

1667449 Not Reported 29-AUG-17 25 Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

WA WELLS WALC

WALOG2000780844

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 1667452 Not Reported 29-AUG-17 25 Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

AE290 NNE 1/2 - 1 Mile Lower

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test: Ecology Well Logs BKP867 DE02039 2 02-AUG-17 Water 6 Static Level Not Reported

Distance Elevation			Database	EDR ID Number
AE291 NNE 1/2 - 1 Mile Lower			WA WELLS	WALOG2000780843
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs BKP866 DE02039 2 02-AUG-17 Water 6 Static Level Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1667451 Not Reporte 29-AUG-17 25 Viking JV LL 1374 Not Reporte Not Reporte 10	LC LLC Co Running Bear Development
AE292 NNE 1/2 - 1 Mile Lower			WA WELLS	WALOG2000780842
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs BKP865 DE02039 2 02-AUG-17 Water 6 Static Level Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1667450 Not Reporte 29-AUG-17 25 Viking JV LL 1374 Not Reporte Not Reporte 10	LC LLC Co Running Bear Development
AE293 NNE 1/2 - 1 Mile Lower			WA WELLS	WALOG2000780837
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs BKP860 DE02039 2 02-AUG-17 Water 6 Static Level Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1667445 Not Reporte 29-AUG-17 25 Viking JV LL 1374 Not Reporte Not Reporte 10	LC LLC Co Running Bear Development

NNE 1/2 - 1 Mile Lower

> Database: Well Tag #: Notice of Intent #: Diameter (in):

Ecology Well Logs BKP855 DE02039 2 Well Log ID: Project Tag #: Date Received: Casing Depth (ft):

Well completion:
Well Type:
Static Water Level:
Flow Type:
Well Test:

02-AUG-17 Water 6 Static Level Not Reported

Ecology Well Logs

BKP854

DE02039

02-AUG-17

Static Level

Not Reported

Water

2

6

Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

WA WELLS WALOG2000780831

1667439

Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:

AE296 NNE 1/2 - 1 Mile

AE295

NNE 1/2 - 1 Mile Lower

Lower Database:

Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test: Ecology Well Logs BKP853 DE02039 2 02-AUG-17 Water 6 Static Level Not Reported Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:

Not Reported 29-AUG-17 25 Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

WA WELLS W

WALOG2000780830

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 1667438 Not Reported 29-AUG-17 25 Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

WA WELLS WALO

WALOG2000780833

Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #: 1667441 Not Reported 29-AUG-17 25 Viking JV LLC LLC Co Running Bear Development 1374 Not Reported Not Reported 10

AE297 NNE 1/2 - 1 Mile

Lower

- Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:
- Ecology Well Logs BKP856 DE02039 2 02-AUG-17 Water 6 Static Level Not Reported

Direction Distance Elevation			Database	EDR ID Number
AE298 NNE 1/2 - 1 Mile Lower			WA WELLS	WALOG2000780836
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs BKP859 DE02039 2 02-AUG-17 Water 6 Static Level Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1667444 Not Reporte 29-AUG-17 25 Viking JV L 1374 Not Reporte Not Reporte 10	, LC LLC Co Running Bear Development ed
AE299 NNE 1/2 - 1 Mile Lower			WA WELLS	WALOG2000780835
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs BKP858 DE02039 2 02-AUG-17 Water 6 Static Level Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1667443 Not Reporte 29-AUG-17 25 Viking JV L 1374 Not Reporte 10	, LC LLC Co Running Bear Development ed
AE300 NNE 1/2 - 1 Mile Lower			WA WELLS	WALOG2000780834
Database: Well Tag #: Notice of Intent #: Diameter (in): Well completion: Well Type: Static Water Level: Flow Type: Well Test:	Ecology Well Logs BKP857 DE02039 2 02-AUG-17 Water 6 Static Level Not Reported	Well Log ID: Project Tag #: Date Received: Casing Depth (ft): Well Owner: Driller #: Flow Rate (gpm): PSI: Water Reclamation #:	1667442 Not Reporte 29-AUG-17 25 Viking JV L 1374 Not Reporte Not Reporte 10	, LC LLC Co Running Bear Development ed

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

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 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.



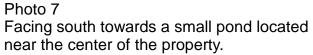




Photo 8

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.



ES-5559.06



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.

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			Taxpayer D	etails	
Parcel Number	0420353027		Taxpayer Name	CHEN PETER Y & I	IU BETH
Site Address	2301 23RD ST SE			s 4709 MEMORY LN	
Account Type	Real Property			UNIVERSITY PLAC	
Category	Land and Improvem	ents		98466-1038	_,
Assessment Use Code	-				
	84.34 CURRENT US	SE			
Appraisal Details			Related Parcels		
Land Economic Area 0	90901		Group Account	Number 36250	
	P16		Located On	n/a	
	Residential		Associated Par		
Business Name					
Last Inspection 0)3/28/2019-Physical Ii	nspection			
Appraisal Area 0	9				
Assessed Value					
Value Year	2022	Assess	sed Total	602,900	
Tax Year	2023		sed Land	602,900	
Taxable Value	253,231	Assess	sed Improvements	0	
Tax Code Area	096	Curren	t Use Land	253,231	
Tax Code Area Rate	0	Person	al Property	0	
Notice of Value Mailing	Date 06/24/2022	2			
Assessment Detai	ils		Tax Amoun	ts Due	
2022 Values for 2023 Tax	(Tax Year	Minimum Due	Total Due
Taxable Value \$253,2	231				
Assessed Value \$602,9	900		TOTAL	0.00	0.00
Property Tax Exen	nptions				

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

12/03/	SALE DATE
427	ETN
	PARCEL COUNT
OTTINGER SHAR	GRANTOR
CHEN PETER Y & LIU E	GRANTEE
632	SALE PRICE
Statutory Warranty	DEED TYPE
CU Open Space & Ag RCW 8	SALES NOTES

Мар	
+ - 0 600 ft Spatial Services	Powered by Esri
Spatial Services	Fowered by LSIT



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		Taxpayer De	etails	
Site AddressXXXAccount TypeRealCategoryLandAssessment Use Code9400-	357011 24TH STREET PL SE Property and Improvements CU OPEN SPACE RCW CURRENT USE	Taxpayer Name Mailing Addres	 CHEN PETER Y & I 4709 MEMORY LN UNIVERSITY PLAC 98466-1038 	W
Appraisal Details	Related Parcels			
Land Economic Area090901Value AreaPI6Appr Acct TypeResidentialBusiness Name04/16/2019-Physical InspectionLast Inspection04/16/2019-Physical InspectionAppraisal Area09		Group Account Located On Associated Par	Number 36250 n/a r cels n/a	
Assessed Value				
Value Year Tax Year Taxable Value	2023 Asses	sed Total sed Land sed Improvements	4,800 4,800 5 0	
Tax Code Area Tax Code Area Rate Notice of Value Mailing Date		nt Use Land nal Property	960 0	
Assessment Details		Tax Amoun	ts Due	
2022 Values for 2023 Tax		Tax Year	Minimum Due	Total Due
Taxable Value\$960Assessed Value\$4,800		TOTAL	0.00	0.00
Property Tax Exemption				

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

12/03/20	SALE DATE
42744	ETN
	PARCEL COUNT
OTTINGER SHARON	GRANTOR
CHEN PETER Y & LIU BE	GRANTEE
632,0	SALE PRICE
Statutory Warranty De	DEED TYPE
CU Open Space & Ag RCW 84.	SALES NOTES

Мар	
+ - 0 400 ft	
Spatial Services	Powered by Esri

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

Site Name:

Sunset Pointe 2301 23rd St SE Puyallup, WA 98372 EDR Inquiry # 7214049.3

Earth Solutions Northwest 15365 NE 90th S Redmond, WA 98052 Contact: Kyler Kelly

Client Name:



12/29/22

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 5559.06 Project

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:

University Publications of America

EDR Private Collection

The Sanborn Library LLC Since 1866™

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Earth Solutions Northwest (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

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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

Site Name:

Client Name:

12/29/22

Sunset Pointe 2301 23rd St SE Puyallup, WA 98372 EDR Inquiry # 7214049.8

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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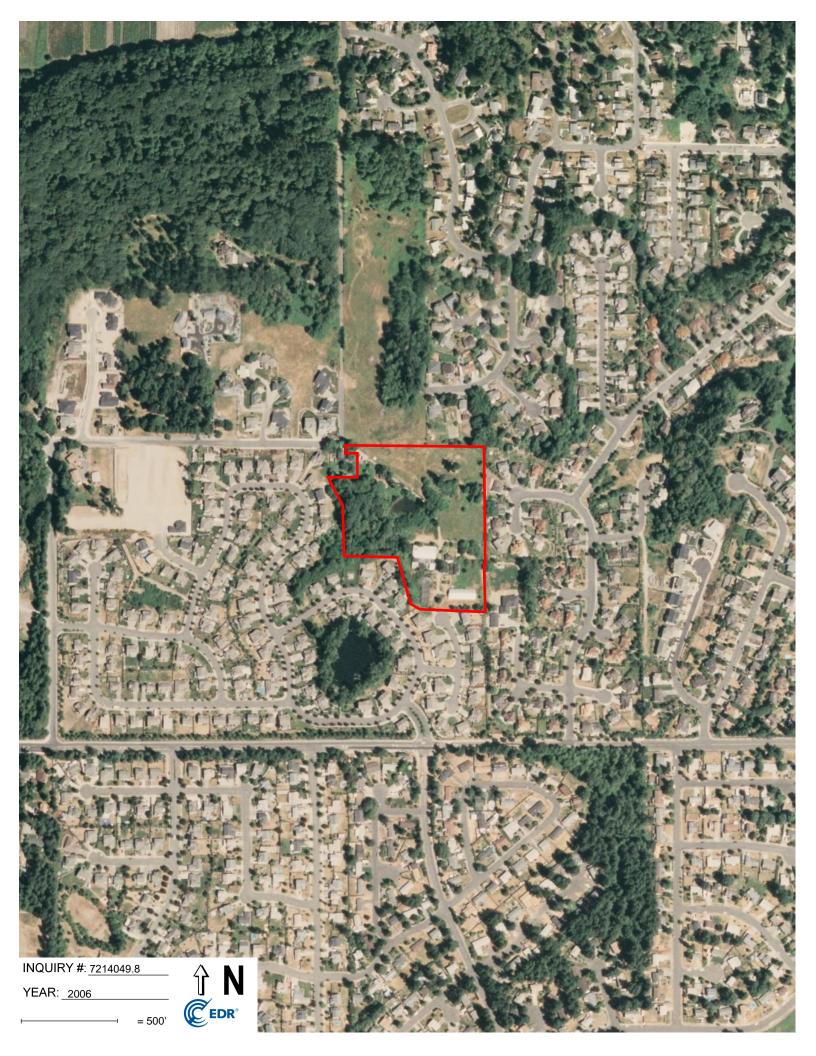
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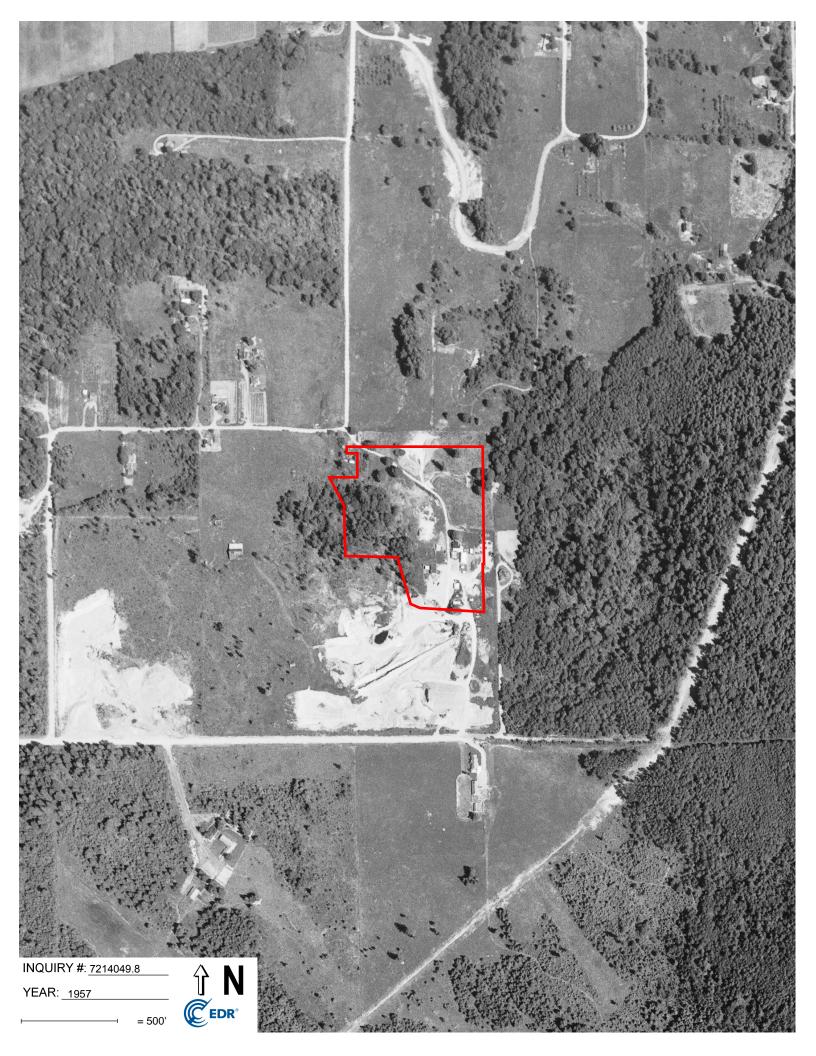


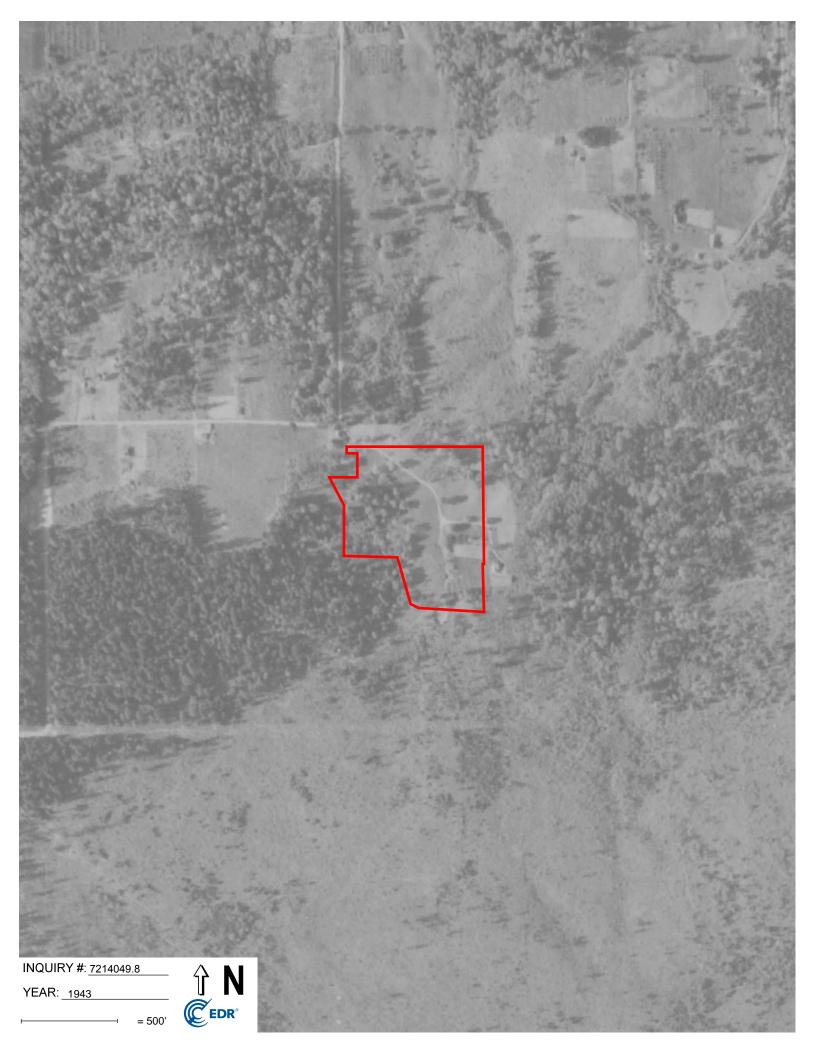














Appendix F

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



6 Armstrong Road Shelton, CT 06484 800.352.0050 www.edrnet.com

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Executive Summary

Findings

City Directory Images

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available 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 & Brad street. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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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.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2017	\checkmark	\checkmark	EDR Digital Archive
2014	\checkmark	\checkmark	EDR Digital Archive
2010	\checkmark	\checkmark	EDR Digital Archive
2005	\checkmark	\checkmark	EDR Digital Archive
2000	\checkmark	\checkmark	EDR Digital Archive
1995	\checkmark	\checkmark	EDR Digital Archive
1992	\checkmark	\checkmark	EDR Digital Archive
1989	\checkmark	\checkmark	Polk's City Directory
1984	\checkmark	\checkmark	Polk's City Directory
1979	\checkmark	\checkmark	Polk's City Directory
1974	\checkmark		Polk's City Directory
1969	\checkmark		Polk's City Directory
1964	\checkmark		Polk's City Directory
1959	\checkmark		Polk's City Directory

<u>Year</u>

Target Street Cross Street

<u>Source</u>

FINDINGS

TARGET PROPERTY STREET

2301 23rd St SE Puyallup, WA 98372

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

Source

CROSS STREETS

<u>CD Image</u>

<u>Year</u>

<u>22ND ST SE</u>		
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
1969	-	Polk's City Directory
1964	-	Polk's City Directory
1959	-	Polk's City Directory

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
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

Street not listed in Source Street not listed in Source Street not listed in Source Street not listed in Source

Street not listed in Source Street not listed in Source Street not listed in Source Street not listed in Source Street not listed in Source Street not listed in Source Street not listed in Source Street not listed in Source

FINDINGS Year CD Image Source

1959

-

Polk's City Directory

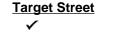
Street not listed in Source

City Directory Images

-

Cross Street ✓ Source EDR Digital Archive

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



Cross Street

-

Source EDR Digital Archive

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

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
2221 OADUST A DADUST

_

- 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

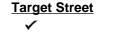
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1203	AJAMI, FAREED W
1207	CARLSEN, ERIC
1210	SAND BLASTED ART
-	ZACHARY, LANCE W
1211	COLEMAN, GRACE M
1301	LABRASH, KERRY D
1301	
4000	SMITH, WINSTON S
1302	MARTIN, MARY E
1309	DUNN, KATHLEEN T
2101	OCCUPANT UNKNOWN,
2102	SCHOFIELD, JAY F
2105	RYBALKA, 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,
2404	ANDERSON, GREGORY S
2407	KELLER, LARRY R
-	RUSLER, GREGORY L
2408	
2410	SCHULTZ, DONALD J
2412	
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
3904 3908	RODRIGUEZ, DENISE L
3908 3912	HITCHCOCK, MITCH
0012	

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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,



Cross Street

-

Source EDR Digital Archive

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

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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

-

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,

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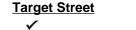
Cross Street ✓ Source EDR Digital Archive

(Cont'd)

2010

22ND ST SE

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,



Cross Street

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Source EDR Digital Archive

- 101 A & JLLC ENDICOTT COFFEE **FASTENAL CO** NORTHWEST CLIMATE CONTROLS INC **S & K ENTERPRISES INC NEELEY CONSTR & CABINET CO** 111 116 PROSPECT CONSTRUCTION INC 117 **OLYMPIC TRACKS INC** LAKE SIDE DOORS 120 LAKESIDE DOORS INC **TINORTHWEST** 121 OLSSON, BRIAN L 124 131 MICHAEL, MEGAN 133 NORTHWEST INFRASTRUCTURES 136 BROSSART, GREG
- 210 OCCUPANT UNKNOWN, TRIDENT WATERWORKS INC
- 216 ADKINS, DARREN K RICHARDSON, AMY
- 218 ALLEN, DESIREE

-

Source EDR Digital Archive

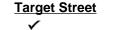
23RD STREET PL SE 2010

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

-

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
2102	SCHOFIELD, JAY F
2105	RYBALKA, YULIY V
2100	DOUGHERTY, JAMES H
2100	POTTER, CLARK M
2110	RESOURCE GROUP
	WIRELESS COMMUNICATIONS CO
2114	AMY, GLENN A
2114	CHARTER FUNDING
2117	ENNIS, ROBERT S
2110	BELL, DALE R
2118	PALMER, MARK A
2126	
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

	<u>Target Street</u> -	<u>Cross Street</u> ✓	Source EDR Digital Archive		
		22ND ST SE	2005	(Cont'd)	
3611	DESMOND, KEVIN E				



Cross Street

-

- 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

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Source EDR Digital Archive

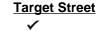
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2105	ALTA ENGINEERING CONSTRUCTION
	OTTESEN, JEFFERY L
2112	HOLLAND, JOHN W
2113	SALON PETITE
2120	JEPPESEN, LOUIS P
2121	OCCUPANT UNKNOWN,
2201	JACKSON, HERBERT N
2202	BUNDROCK, GARY D
2209	THOMETZ, LUKE M
2210	MERKT, WAYNE J
2217	MOSS, GARY A
	RJM CO
2218	OCCUPANT UNKNOWN,
2225	SANCHEZ, SANDRA P

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Source EDR Digital Archive

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
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3503	GEBAUER, MICHAEL
3505	KING, ROBERT D
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3511	DEORA, ARUN J



Cross Street

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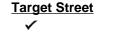
Source EDR Digital Archive

- 118 P M P SECURITY SERVICE INCORPORATED
- 121 BOBS AUTOMOTIVE

-

Source EDR Digital Archive

 1211 COLEMAN, JOHNNY E 1301 OCCUPANT UNKNOWNN 1305 LUNDGBORG, JOHN B 2402 MCDANIELS, RAYMOND A 2403 OCCUPANT UNKNOWNN 	1207	GENOWAY, DAVID
1305LUNDGBORG, JOHN B2402MCDANIELS, RAYMOND A2403OCCUPANT UNKNOWNN		,
2402MCDANIELS, RAYMOND A2403OCCUPANT UNKNOWNN		
2403 OCCUPANT UNKNOWNN		-
	2402	
	2403	OCCUPANT UNKNOWNN
2404 GLEIM, GERALD L	2404	GLEIM, GERALD L
2406 ANDERSON, TIMOTHY	2406	ANDERSON, TIMOTHY
2408 RUSLER, GREGORY L	2408	RUSLER, GREGORY L
2410 FORD, ROBERT	2410	FORD, ROBERT
2412 GOOLD, MARTIN W	2412	GOOLD, MARTIN W
3402 SHOWACY, ED	3402	SHOWACY, ED
3404 TERRY, DAVID	3404	TERRY, DAVID
3405 OCCUPANT UNKNOWNN	3405	OCCUPANT UNKNOWNN
3406 OCCUPANT UNKNOWNN	3406	OCCUPANT UNKNOWNN
3410 ROCKSTAD, BYRON J	3410	ROCKSTAD, BYRON J
3503 SMITH, DANIEL	3503	SMITH, DANIEL
3505 KING, ROBERT D	3505	KING, ROBERT D
3506 MEMOVICH, RICHARD J	3506	MEMOVICH, RICHARD J
3507 OCCUPANT UNKNOWNN	3507	OCCUPANT UNKNOWNN
3508 JINKS, CLAUD	3508	JINKS, CLAUD
3511 SNYDER, WARREN	3511	SNYDER, WARREN
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3608 KONECNY, RAYMOND J	3608	



Cross Street

-

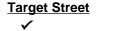
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- 114 W SAM LIPOMA INCOME TAX
- 118 LEWIS, DAVID
- PMP SECURITY SVC INC
- 120 MEEKHOF, MARK
- 121 BOBS AUTOMOTIVE
- 124 OLSSON, BRIAN
- 133 EVERGREEN WHOLESALE SPORTS
- 136 OCCUPANT UNKNOWNN
- 210 OCCUPANT UNKNOWNN
- 216 DETRAY, ARNOLD

-

Source EDR Digital Archive

1207 1211	GENOWAY, DAVID 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
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3611	KUCHARZAK, MICHAEL

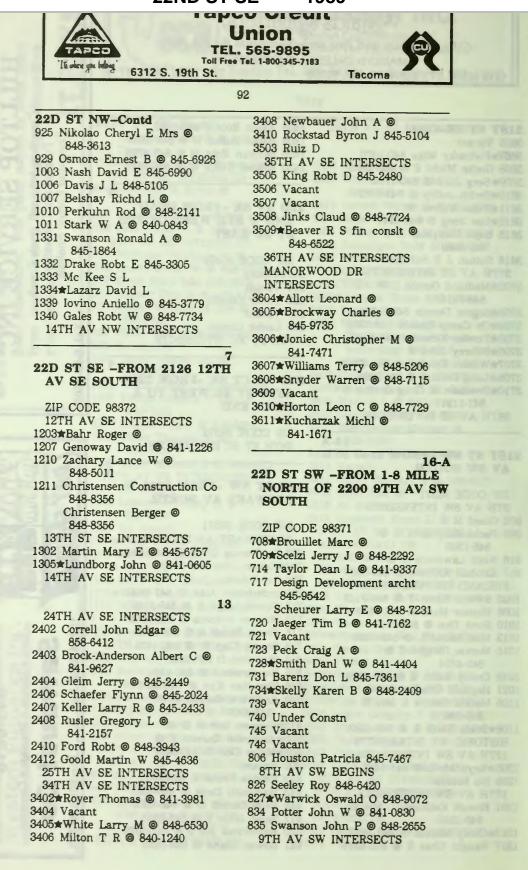


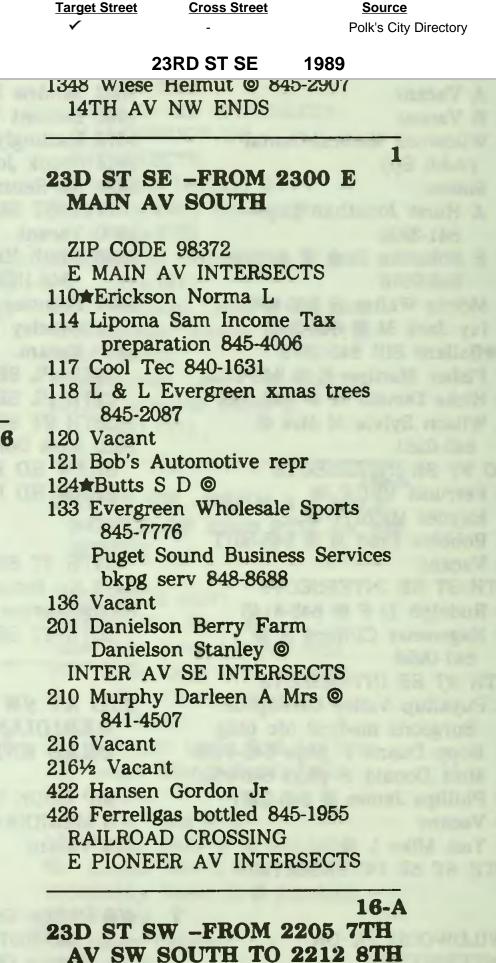
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- 114 LIPOMA, W S W S LIPOMA INCM TX
 116 L&L EVERGREEN CO
 117 COOL-TEC COOLER TECHNLGY
 118 CHEMICAL HANDLNG
- 121 BOBS AUTOMOTIVE
- 124 OLSSON, BRIAN
- 133 EVERGRN WHLSL SPRT PUGET SND BSNS SVC
- 136 PAYNE, STEVEN
- 210 MURPHY, DARLENE
- 21612 DEARTH, DAVID

Cross Street

Source Polk's City Directory





-

Cross Street ✓ <u>Source</u> Polk's City Directory

dn		76
E. Stewart Ave., Puyallup	22D ST NW-Contd	3503★Ruiz D
2 5	909*Lee D	3505 Under Constn
D L	912 Ritchie Fredk H	3506*Fraser Thomas 848-8466
. e	913*Hoekstra Stacy © 916 Ralls Darrell © 848-8309	3507 Harada Yutaka 848-9308
? A	917 Zajac John V @ 845-5818	3508 Foy G L 848-9709
I E	920 Sagen Miles T © 848-7807	3509★Mackey Wm
val	921 Bowen Diana © 848-5859	MANORWOOD DR SE
ev u	925 Nikolao Mosamoa P ©	INTERSECTS
	848-3613	
ы V	929 Osmore Ernest © 845-6926	22D ST SW —FROM 7TH AV
2 5	1003 Nash David E 845-6990	SW ONE WEST OF 21ST ST
305	1006 Davis J L 848-5105	SW ONE WEST OF 21ST ST SW SOUTH
	1007 Belshay Richd L ©	Sw Soom
	1010 Perkuhn Rod © 848-2141	ZIP CODE 98371
	1011*Stark W A © 848-5621	720 Vacant
	1331 Swanson Ronald A 845-1864	723 Under Constn
	1332 Drake Robt 845-3305	728±Ortiz Carlos M © 848-4177
	1333 Vacant	739 * Skelly M
	1334 No Return	835*Swanson John P @ 848-2655
C	1339 Iovino Aniello © 845-3779	
Ē	1340 Gales Robt W 848-7734	9
	14TH AV NW INTERSECTS	23D AV SE (SOUTH CITY
		LIMITS)—FROM 2300
-	7 22D ST SE —FROM 2126 12TH	MERIDIAN ST S EAST
	AV SE SOUTH	
E		ZIP CODE 98371
2	ZIP CODE 98371	113 Morris Walter H © 845-5991
Ð	12TH AV SE INTERSECTS	115 Ivy Jack M 💿
E	1203 Bahr Roger J 💿	120 Wildwood Medical-Dental
20	1207 Genoway David © 841-1226	Bohanan Jack R dentist
hlke-Bargmeyer,	1210 Zachary Lance W	848-9316
	1211 Christensen Construction Co	Oh Geo D phys 848-4453
	848-8356	Tindall Le Roy E dentist
	Christensen Berger 💿	848-9317
	848-8356	Puyallup Valley Physical
9	13TH PL SE INTERSECTS	Therapy 848-2309
	1302 Martin M E © 845-6757	206*Asp Lawrence W 841-0121
	1305★Judd Earle W ⊚	207 Fisher Marilyn E © 848-4258
	14TH AV SE INTERSECTS	215 Hicks Donald M © 848-1057
D		225 Wilson Sylvia M Mrs 845-0281
	24TH AV SE INTERCOM	3D ST SE INTERSECTS
	24TH AV SE INTERSECTS 2402 Espe Glodyn @ 841 9217	325 Ferrucci Vitt P ⊚ 845-8122 327 Henderson Donald E ⊚
	2402 Espe Gladys © 841-2317 2403 Knajdek Gary Lee ©	845-5273
	2404 Gleim Jerry © 845-2449	404 Robbins Fred M © 845-5971
	2406 Hansen Alan W © 848-0018	5TH ST SE INTERSECTS
	2407 Keller Larry © 845-2433	510*Palsy Truman W ©
	2408 Rusler Gregory L @	516 Rudolph D F © 845-8145
TM	841-2157	519 Sanders Geo A @ 848-0635
	2410 Vacant	521+Hart Kathy
	2412 Goold Martin W 845-4636	525 Zimbelman Clyde
	2414 Morrison Richd	7TH ST SE INTERSECTS
	25TH AV SE INTERSECTS	702 Puyallup Valley Orthopedic
1	34TH AV SE INTERSECTS	Surgeons 845-6606
+	3402 Vacant	Hopp Duane F phys 473-1300
K	3404★Burlingame Gary ⊚	Mott Donald H phys 473-1300
XIII	848-3159	Renn John S phys 473-1300
	3406★Jackson Steven © 841-4519	719 Phillips James © 845-2467
	3408 Vacant	729 * Tamura Mark
	3410 Vacant 35TH AV SE INTERSECTS	731 Hammond Bradford 845-3474
	AND AV SE INTEDETTO	9TH ST SE INTERSECTS

Cross Street

Source Polk's City Directory

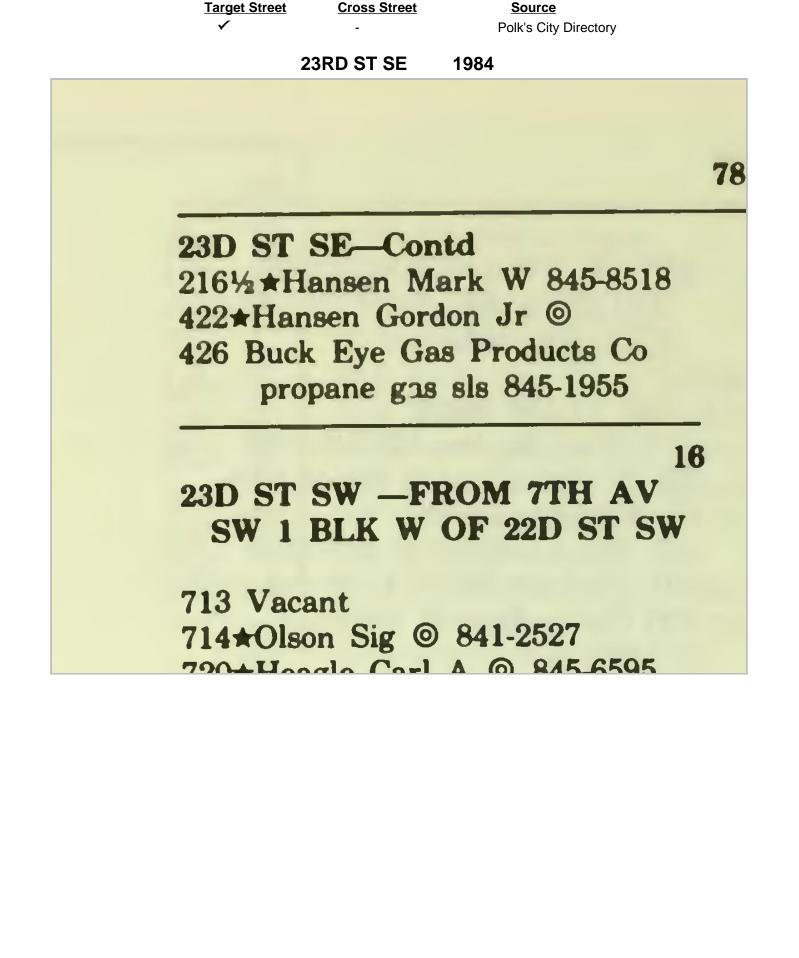
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23RD ST SE 1984

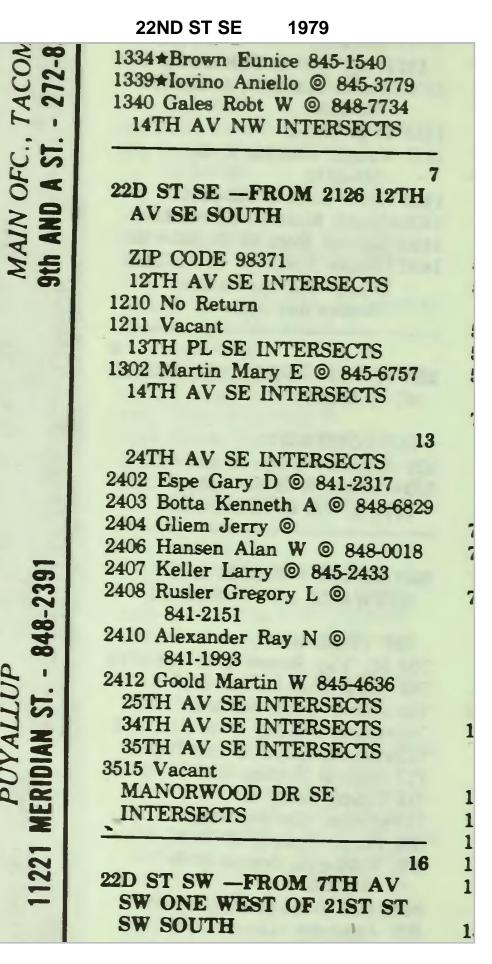
848-3196 1344 Gilge Ronald © 848-4407 1348 Wiese Helmut © 845-2907 14TH AV NW INTERSECTS

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

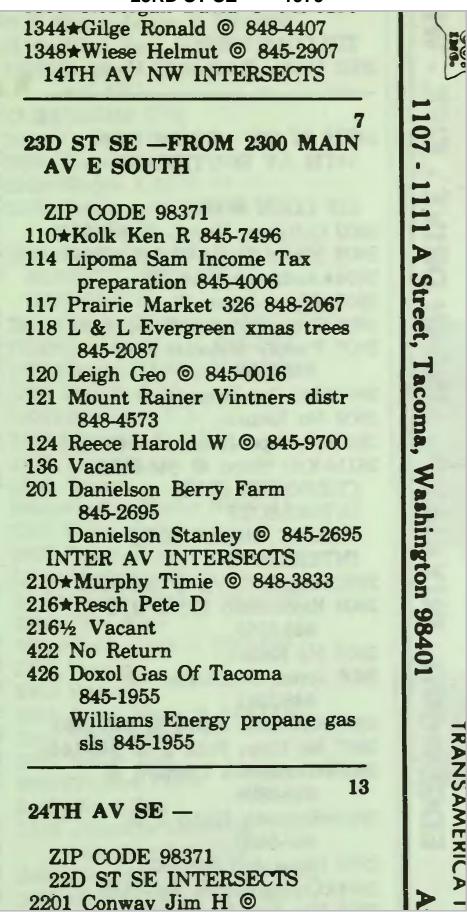


<u>Cross Street</u> ✓ Source Polk's City Directory



Cross Street

Source Polk's City Directory



Target Street Cross Street

Source Polk's City Directory

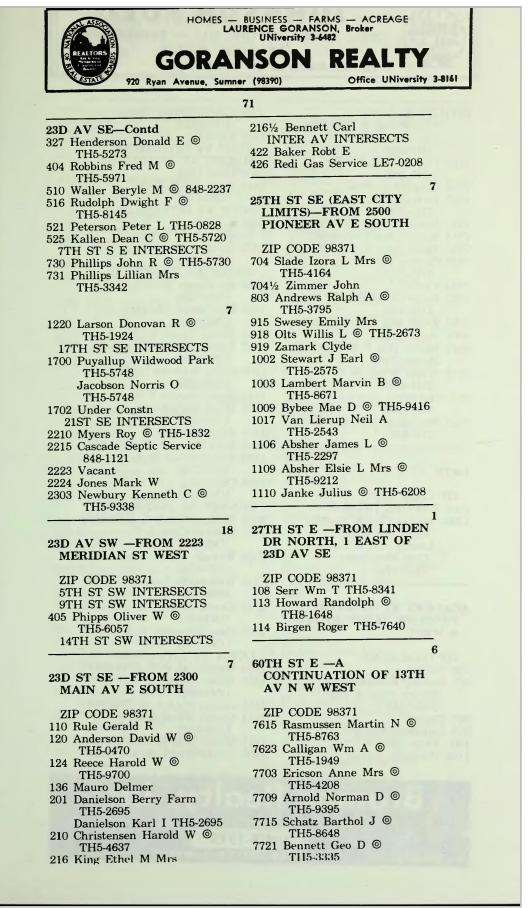
23RD ST SE 1974 9TH ST SW INTERSECTS 405 Phipps Oliver W [©] TH5-6057 **14TH ST SW INTERSECTS** 7 23D ST SE -FROM 2300 MAIN AV E SOUTH **ZIP CODE 98371** 117 Prairie Market 326 848-2067 118 L & L Evergreen xmas trees **TH5-2087** 120 * Leigh Geo 845-0016 124 Reece Harold W
TH5-9700 136 * Calloway Marvin 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 O TH5-7245 426 Doxol Gas Of Puyallup **UN3-9200** 7 25TH ST SE (EAST CITY

LIMITS)-FROM 2500 **PIONEER AV E SOUTH**

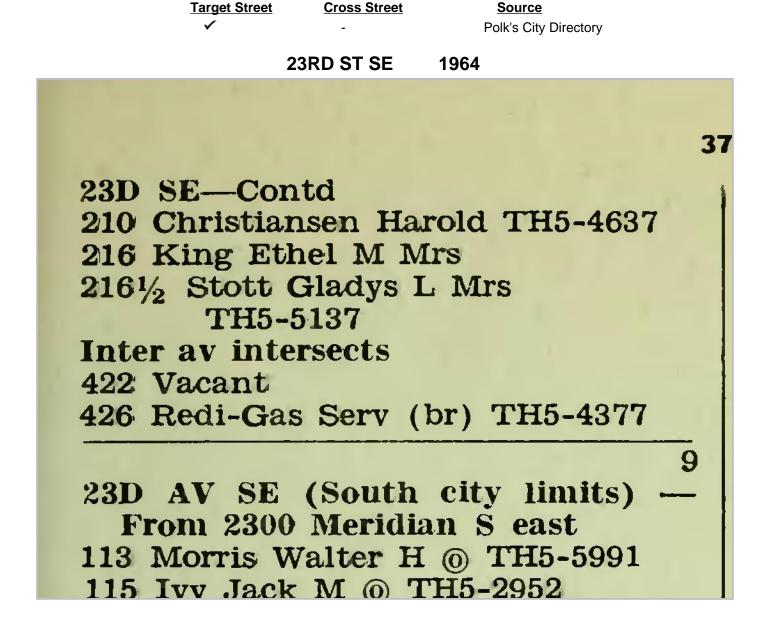
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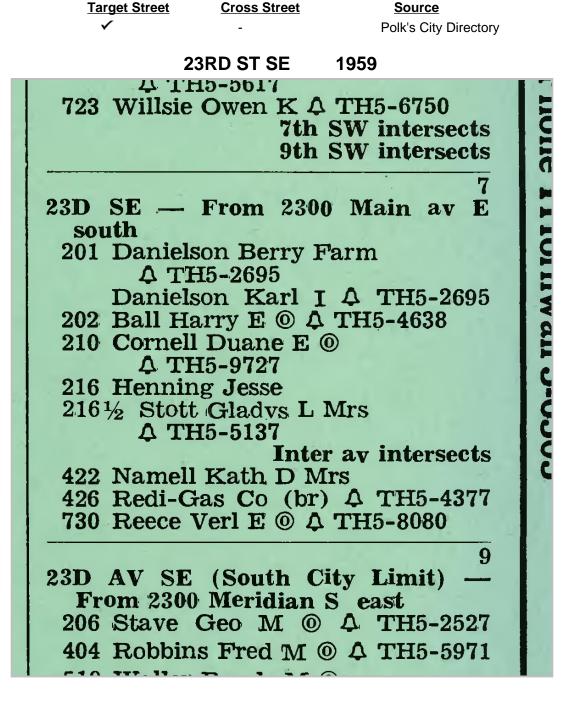
Cross Street

Source Polk's City Directory



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Target Street
                Cross Street
                           Source
                           Polk's City Directory
             23RD ST SE
                       1964
oth SW miersecus
701 Krippaehne Chas E 🔘
        TH5-5617
723 Wilson Gerald G (0)
7th SW intersects
9th SW intersects
                                       7
23D SE - From 2300 Main av E
  south
110 Whitaker Ernest R 
<sup>(0)</sup> TH5-0675
120 Reece Verl E (10) TH5-8080
124 Reece Harold W 
<sup>(0)</sup> TH5-9700
136 Elgin Albert H TH5-0977
201 Danielson Berry Farm
        TH5-2695
    Danielson Karl I TH5-2695
202 Vacant
```





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

Site Name:

Client Name:

12/29/22

Sunset Pointe 2301 23rd St SE Puyallup, WA 98372 EDR Inquiry # 7214049.4

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:		Coordinates:	
P.O.#	Sunset Pointe	Latitude:	47.172539 47° 10' 21" North
Project:	5559.06	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 Provide	d:		
2020	1961		
2017	1956, 1961		
2014	1949		
1997	1944		
1993, 1994	1941, 1942		
1981	1900		
1973	1897		
1968			

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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



2014 7.5-minute, 24000

1997 Source Sheets



Puyallup 1997 7.5-minute, 24000 Aerial Photo Revised 1990

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

1993, 1994 Source Sheets





7.5-minute, 24000

Aerial Photo Revised 1990

1994

Sumner 1993 7.5-minute, 24000 Aerial Photo Revised 1986

1981 Source Sheets



Puyallup 1981 7.5-minute, 24000 Aerial Photo Revised 1978

1973 Source Sheets





7.5-minute, 24000

Aerial Photo Revised 1973

Puyallup 1973 7.5-minute, 24000 Aerial Photo Revised 1973

1968 Source Sheets

Puyallup

7.5-minute, 24000

Aerial Photo Revised 1968

1968

1973

Sumner 1968 7.5-minute, 24000 Aerial Photo Revised 1968

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

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

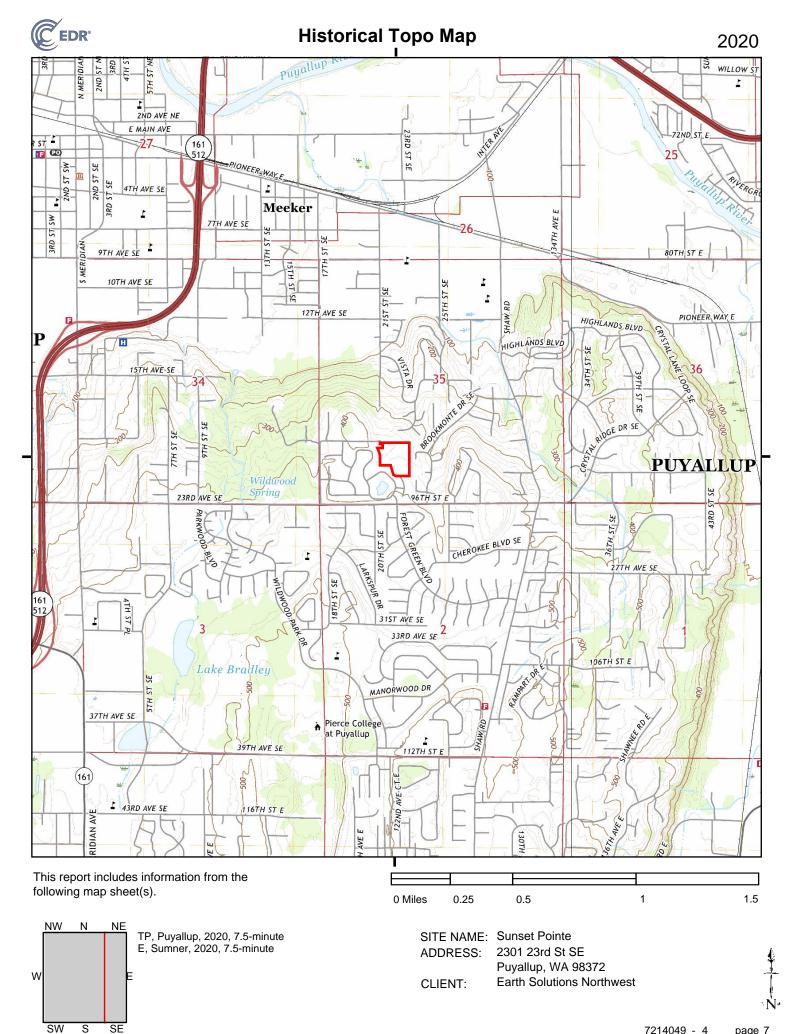


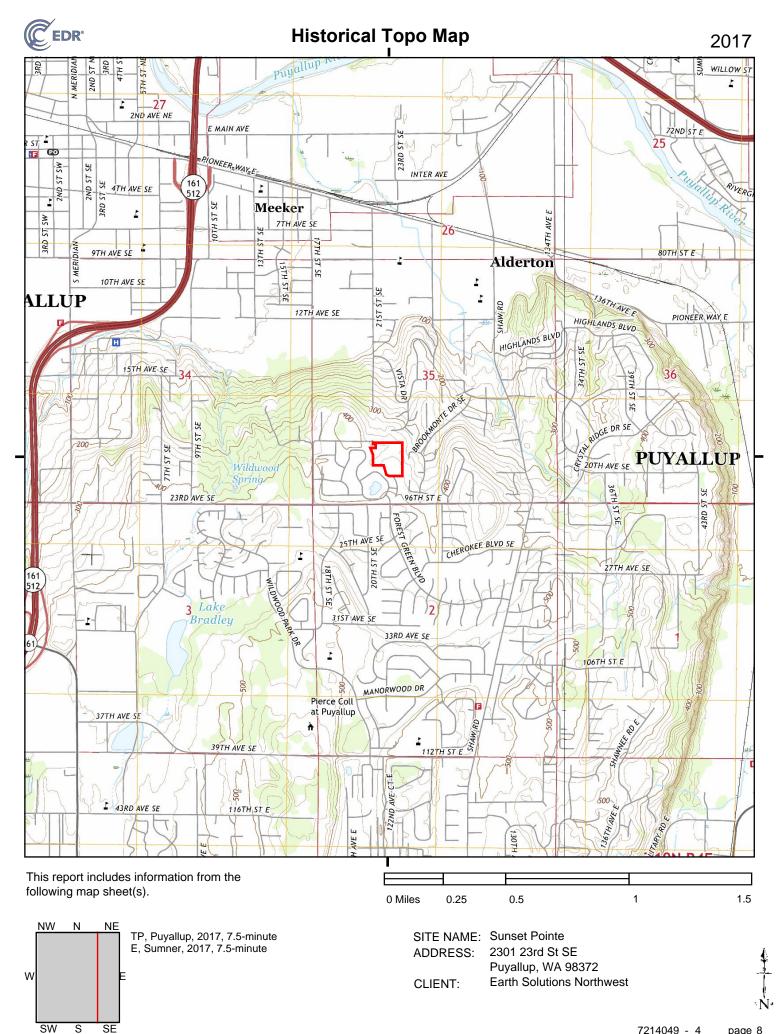
Tacoma 1900 30-minute, 125000

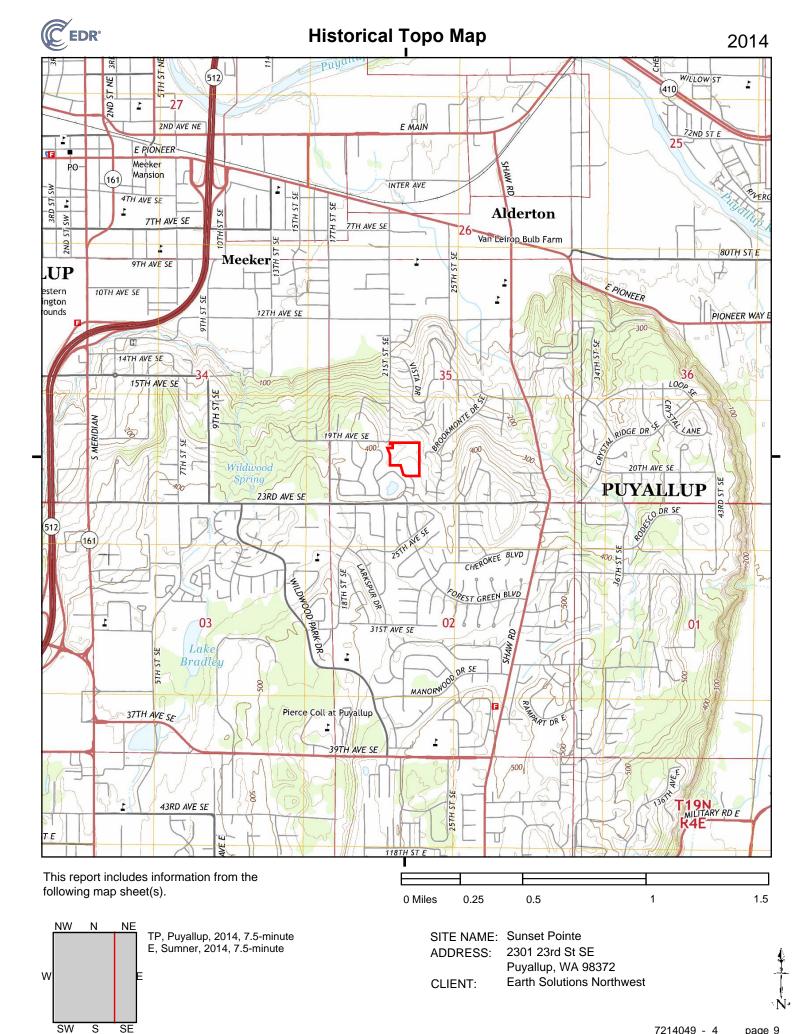
1897 Source Sheets

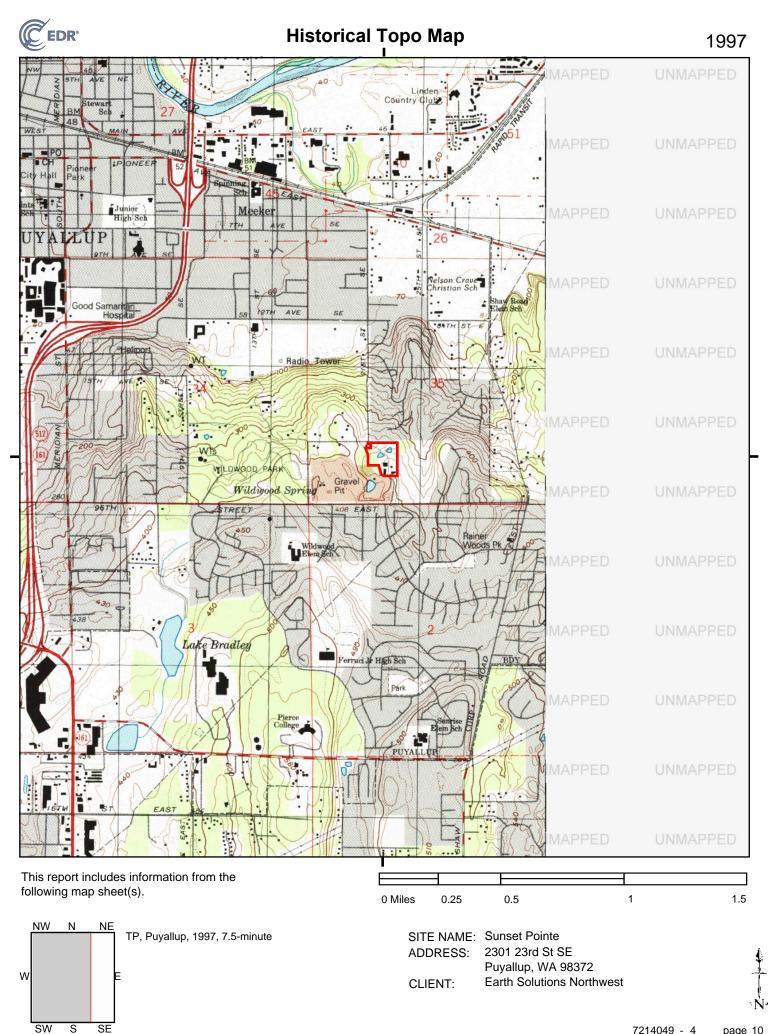


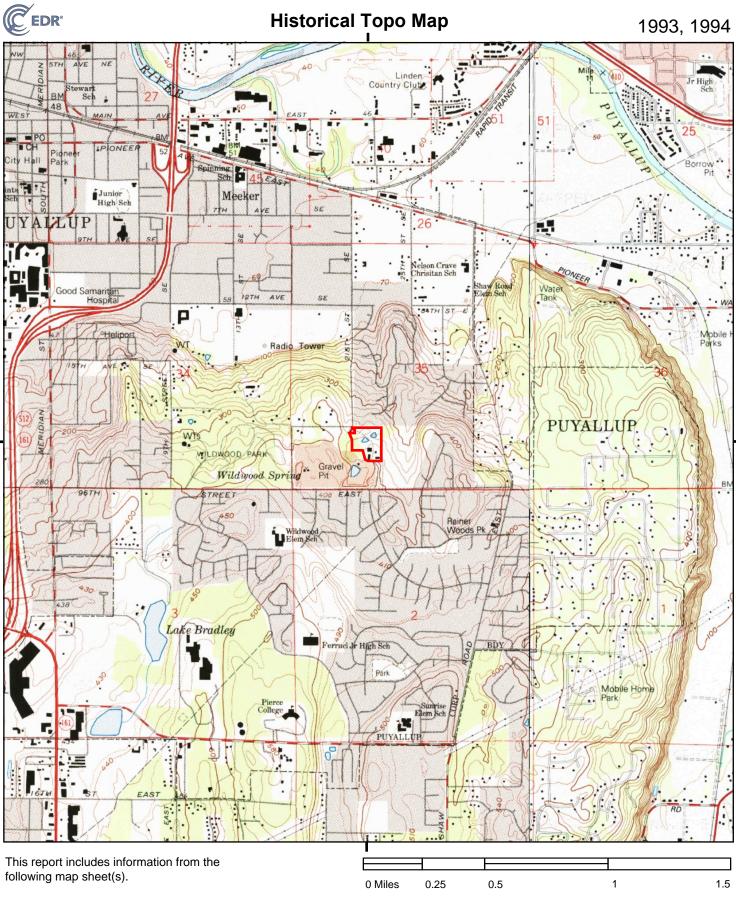
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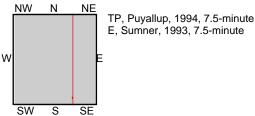




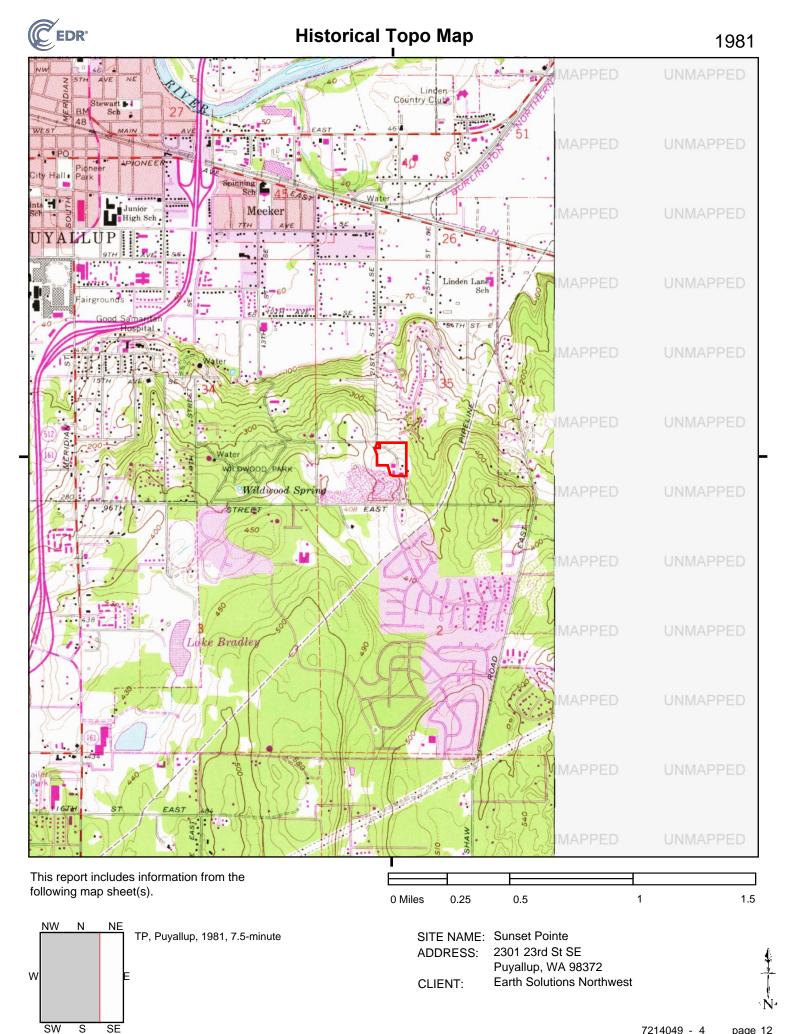








SITE NAME:	Sunset Pointe
ADDRESS:	2301 23rd St SE
	Puyallup, WA 98372
CLIENT:	Earth Solutions Northwest



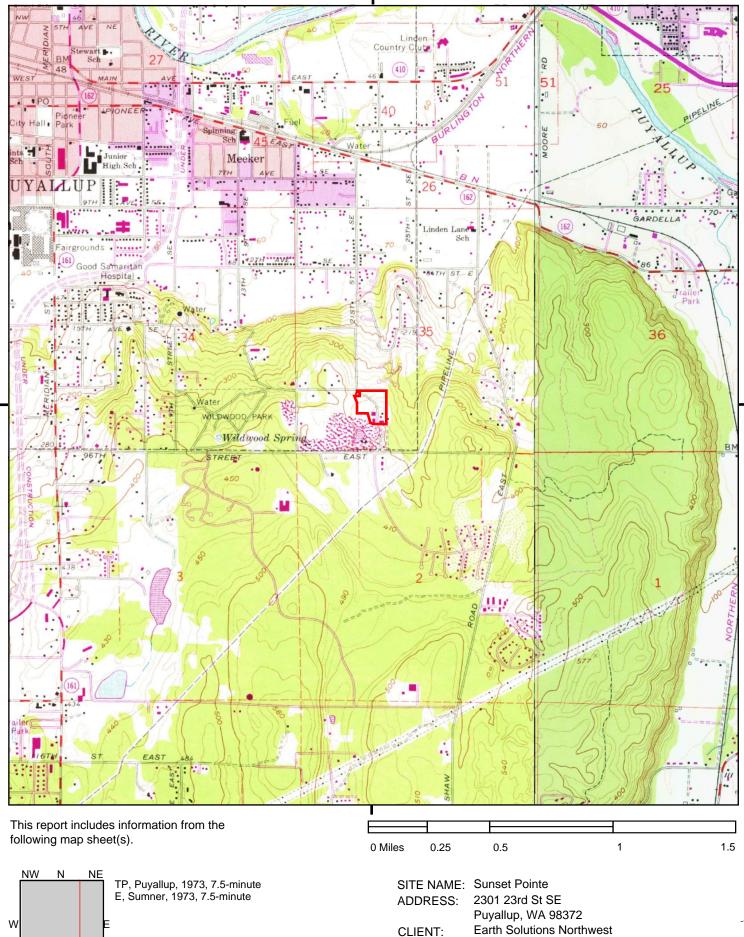


SW

S

SE

Historical Topo Map



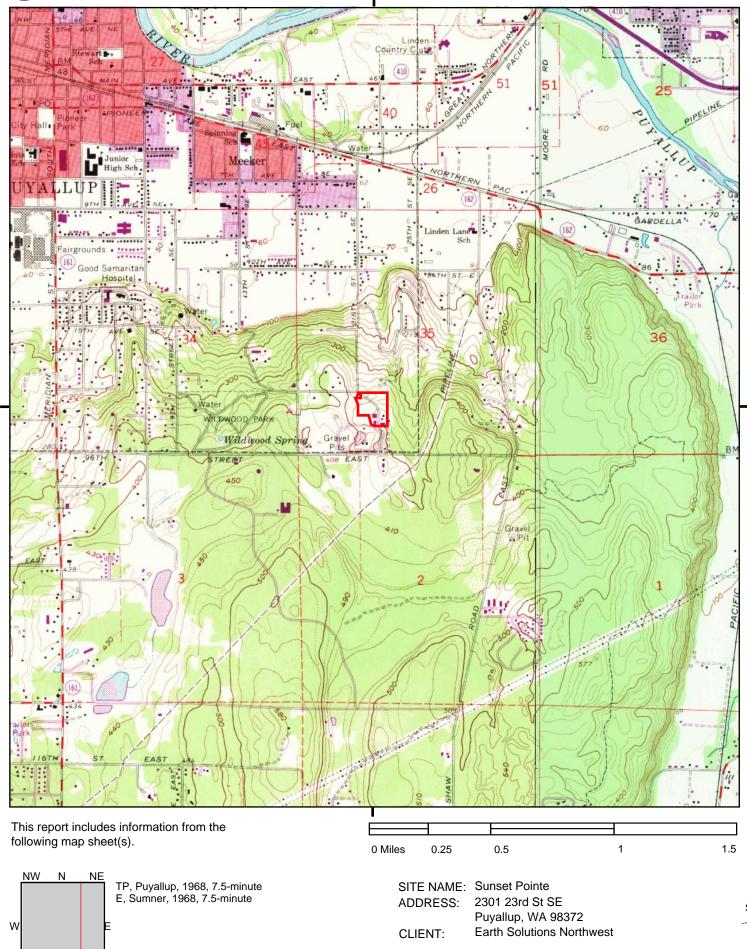


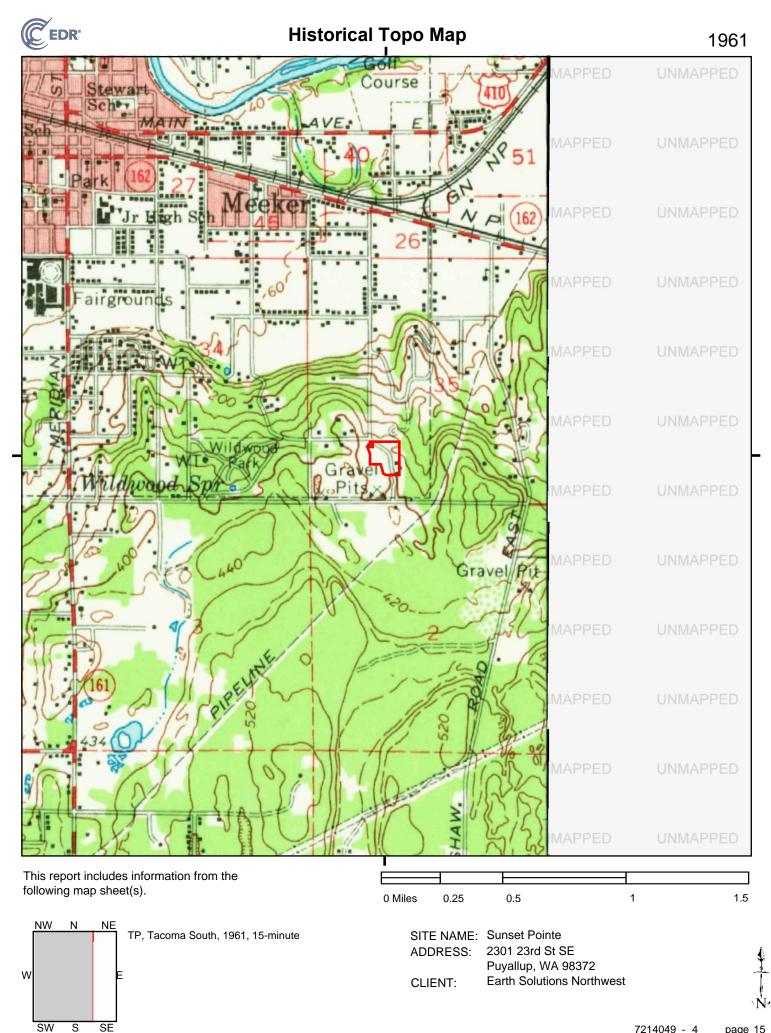
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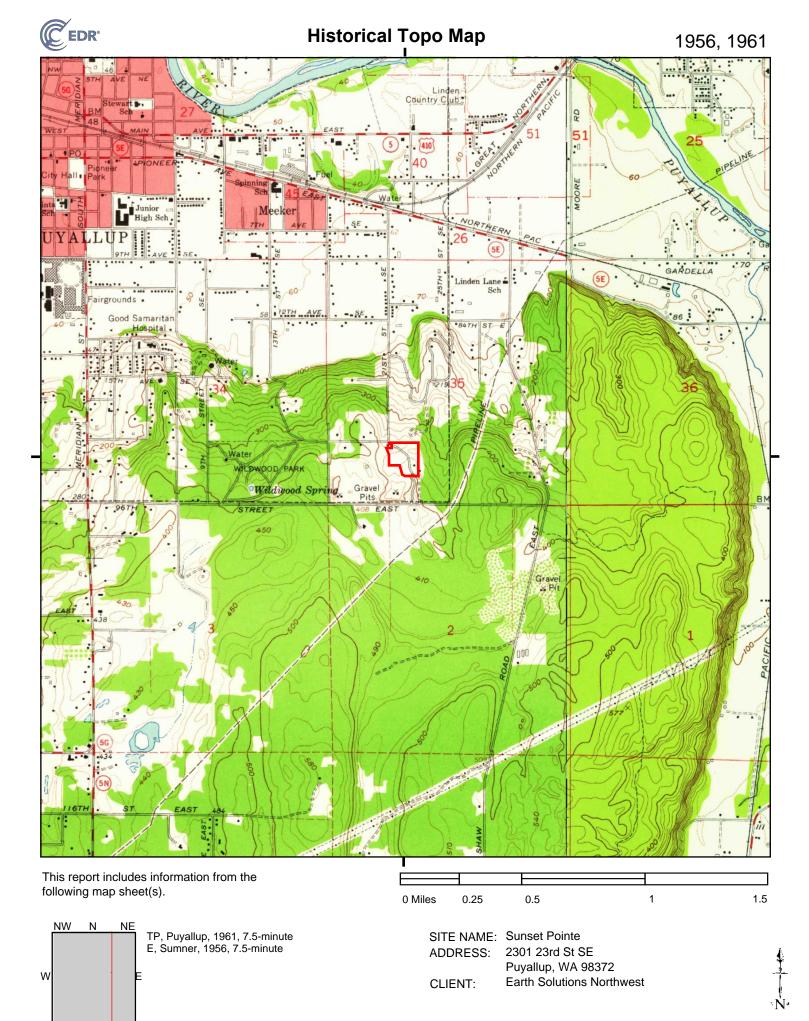
S

SE

Historical Topo Map







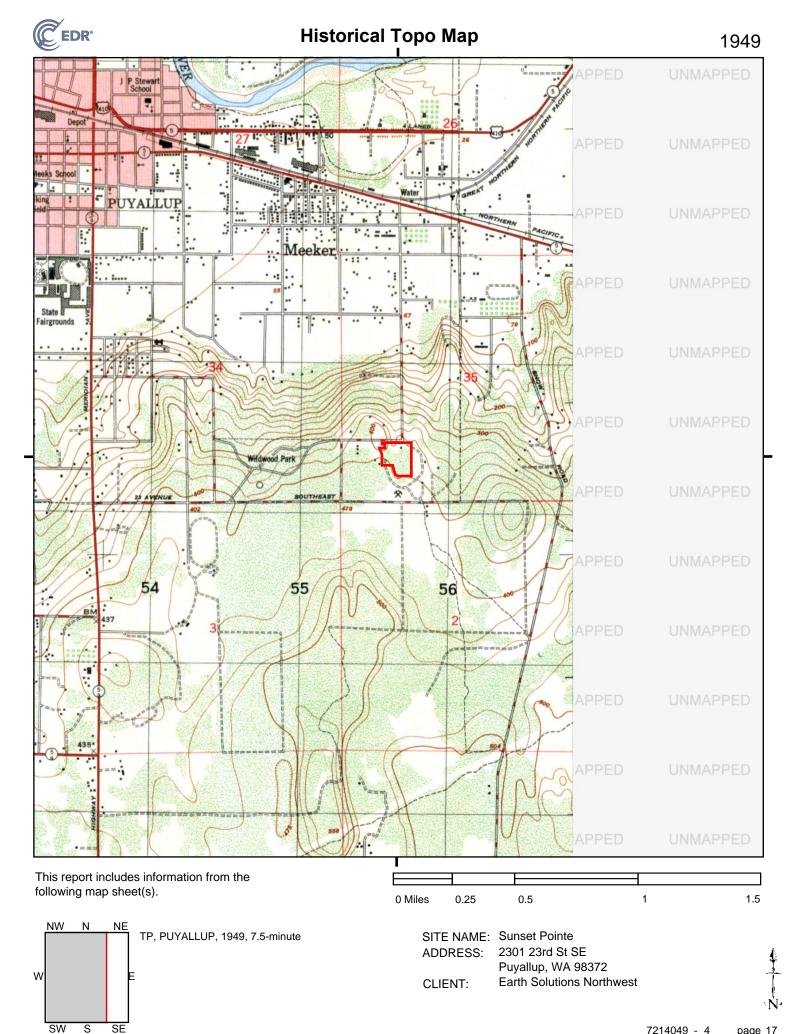
SW

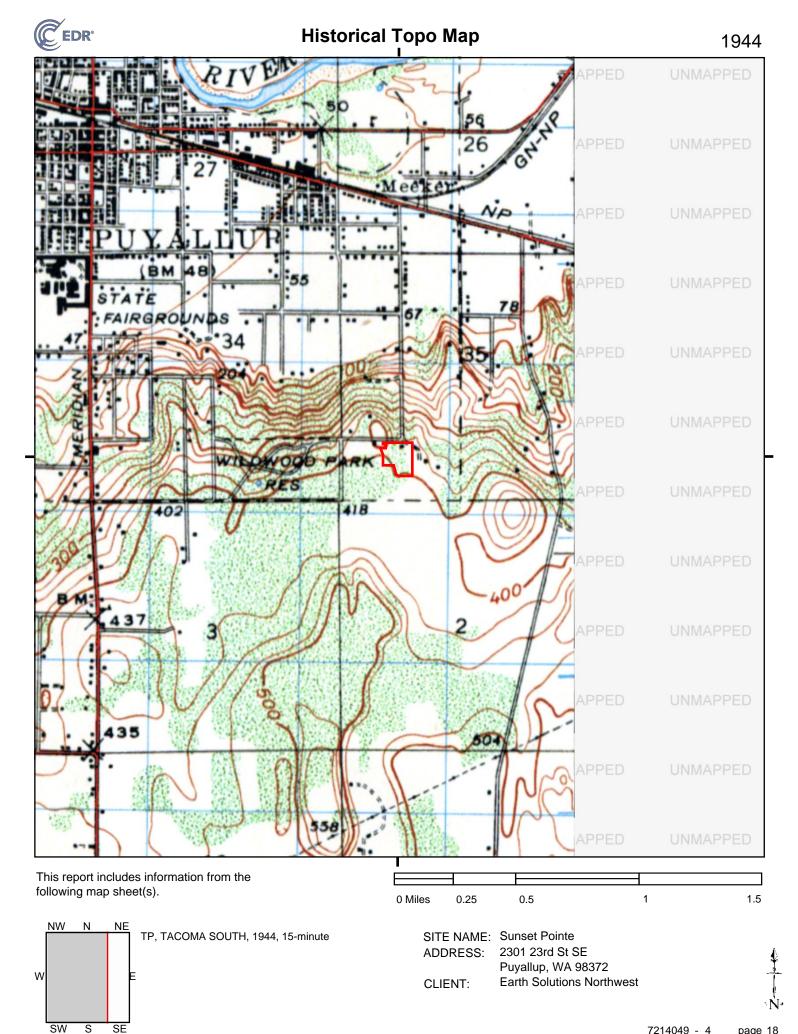
S

SE

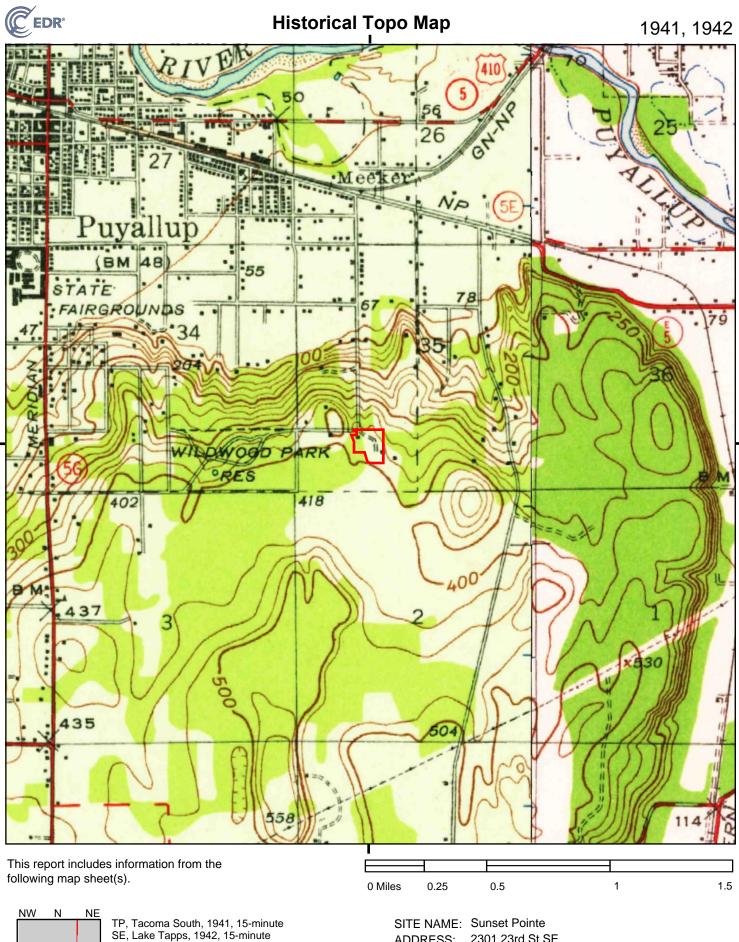
7214049 - 4

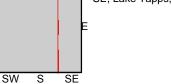
page 16



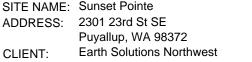


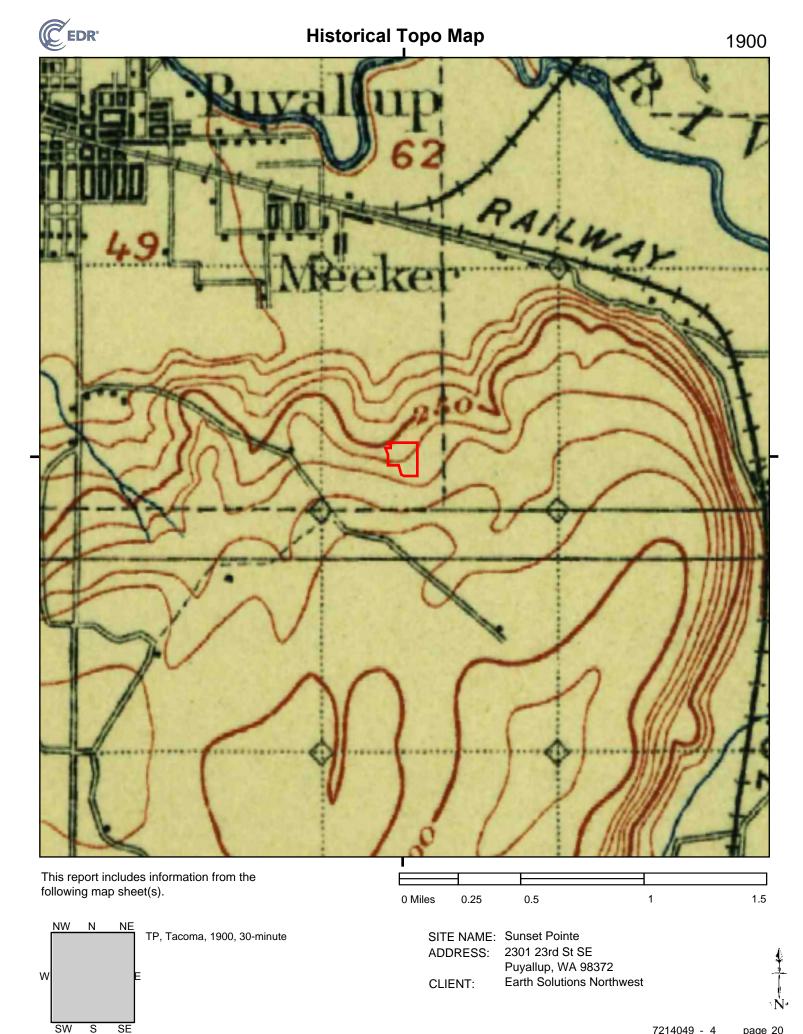
7214049 - 4 page 18

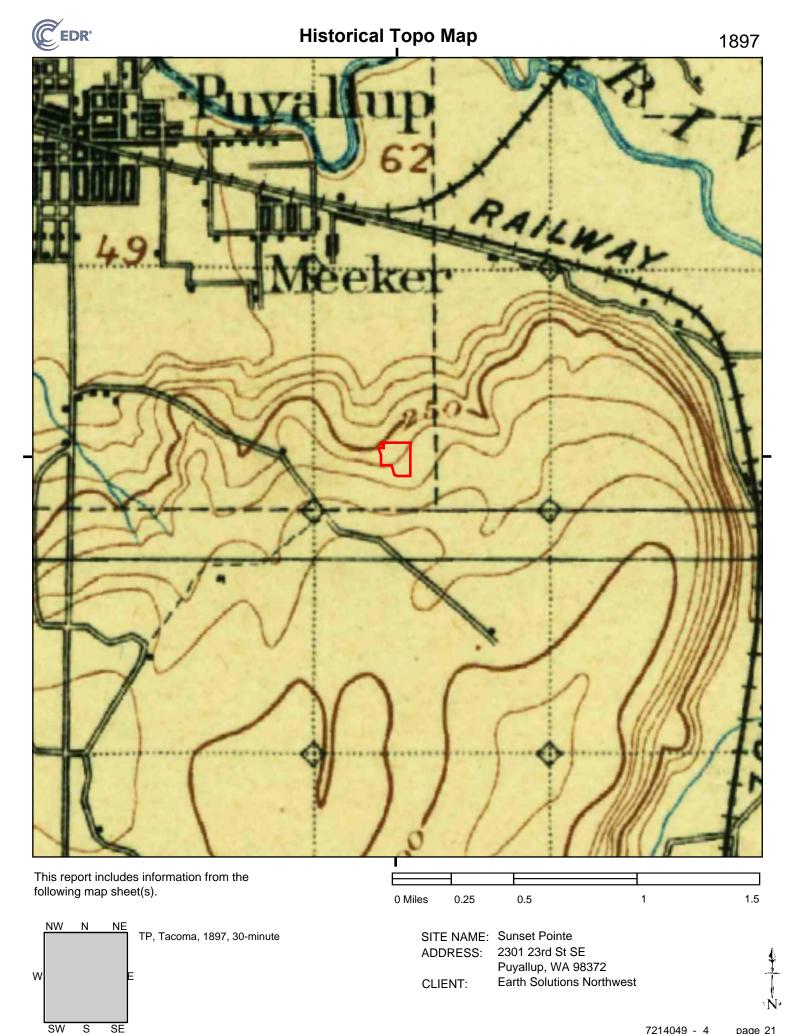




W







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 9846
Person Completing this Form:	Peter Chen
Years Associated with Property:	11

Please answer the following questions to the best of your knowledge.

 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:	before 12/2011	_

Existing or prior	structures used for v	vhat purpos	es and duration:	, 1
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 pla and control plans, etc.	ans; spill prevention; countermeasure; ∬⁰
Reports regarding hydrogeological conditions	on the property or surrounding area; N_{o}
Correspondence from any government agency environmental laws with regard to the property encumbering the property	y relating to past or current violations of or relating to environmental liens \mathcal{N}_0
Hazardous waste generator notices or reports	
Geotechnical studies	ESNW
Risk assessments	No
Recorded Activity and Use Limitations (AULs)	No
	Environmental compliance audit reports Environmental permits Underground Storage Tank registration Underground Injection System registration Material Safety Data Sheets Community Right-To-Know Plan Safety plans: preparedness and prevention pla and control plans, etc. Reports regarding hydrogeological conditions Correspondence from any government agency environmental laws with regard to the property encumbering the property Hazardous waste generator notices or reports Geotechnical studies Risk assessments

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)	Ŏ		
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?
- 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 remoi 8/10/2010
Fill dirt originating from an unknown or contaminated site?	D		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.

- Is the property served by a private well or non-public water system? If so, please answer the following:
 - 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.	Туре	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?
- 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.

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 Environmental liens	. Completion	of the asbestos removal
b.	Environmental liens	by Tacoma	8/10/2018

- 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?

tarm

- 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? 6) Based on your knowledge and experience related to the property are there any obvious 8/10/2018
- 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:

- 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, fulltime 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 multifamily 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.



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 #	Туре	Status	Date Entered					
20-000179	Legacy Case	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					
	<u>Description</u> : Critical area violation, dangerous buildings derelict buildings, junk and solid waste see 15-000163							
15-000163	Legacy Case	Closed	09/03/2015					
		<u>Description</u> : Clearing in critical areas, dangerous and derelict structures, junk vehicles, solid waste accumulation. Public Nuisance						

Complaint

•				
RECORD_ID_FACILITY_ID_A	CCOUNT_ID <u>ReceivedBy</u>	RECEIVED_DATE RECEI	VED_TIME ASSIGNED TO	ASSIGNED_DATE ASSIGNED TIME
CO0031382	Vergia Seabrook	12/02/2011 15:27		
STATUS CASE	DISPOSITION PE		COMPLAINT_MODE	SITE_LOCATION
Closed	OPERATION & M	1AINTENANCE		2301 23rd Street SE
COMPLAINANT		<u>_CITY</u> <u>C_ZI</u>	<u>P C_STATE C_HPHONE</u>	<u>C_HEXT</u> <u>C_WPHONE</u> <u>C_WEXT</u>
<u>C_MEMO</u>				
	nent granted 12/2/11; house burned ar	nd will be demolished after o	closing; septic will be decomm	issioned at that time. Probable
connection to Puyallup sewer	s when redeveloped.			
P_NAME	P_BUS_NAME	<u>P_PHONE</u> P_	EXT P_DISTRICT	P_APN
				0420353027
P_STREET_NUMBER P_HYP	HEN_FRACTION P_STREET_DIRECTION	<u>N P_STREET_NAME</u>	P_ADDRESS_TYPE P_POST	_DIRECTIONAL
2301		23rd	St SE	
<u>P_STREET_UNIT_TYPE</u> P_S	STREET_UNIT <u>P_STREET_ADDRESS2</u>	<u>P_CITY</u>		P_CITY_CODE
		Puyallup	WA 98372 ⁽	City of Puyallup
PO_NAME	PO_BUS_NAME	PO_ADDRESS1	<u>PO_A</u>	DDRESS2
<u>PO_CITY</u> <u>P</u>	O_STATE PO_ZIP PO_HPHON	<u>IE PO_HEXT PO_W</u>	PHONE PO_WEXT INS	<u> SP_RESOLVED_BY_INSP_RESOLVED_DATE</u>
LAST PMT DATE PENALI	TY AMT TOTAL DUE PMT RECEIVED	D BY ABATEMENT DA	ATE NUM NOTICES PRINTE	D EURTHER ACTION
	0.00 0.00			Y
ENTERED_DATE ENTERED_	BY UPDATE_DATE UPDA	ATE_BY LA	AST_TOUCHED FAX	EMAIL
12/02/2011 VSEABROO	06/23/2018 TPCH		/23/2018 2:22:32PM	
JURISDICTION Rela	ated_IDGIS_LATITUDEGIS_LON	IGITUDE UDF CSM MASTN	IO UDF_FT_LOCATION	
	_			
UDF_VICTIM_AGE UDF_INC	CIDENT_DATE UDF_SHOT_DATE	UDF_ANIMAL_NAME	UDF_ANIMAL_TYPE UDF_E	EXPOSURE_PROPHYLAXIS
UDF_VET_NAME UDF	DESCRIPTION	UDF_VICTIM_GENDER	UDF_VET_PHONE UDF_B	REEDS UDF_DISEASE

UDF_INCIDENT_ADDRESS UDF_REFERRED UDF_QUARANTINE UDF_EXPOSURE UDF_RABIES_SHOT UDF_STRAY UDF_OUTBREAK_ID

UDF_SALEDATE UDF_FIRSTNOTICE	UDF_SECONDNOTICE UDF_FINALN	OTICE UDF_RECORDINGDATE	UDF_MASTER_EVENT_ID	UDF_VENDOR_PERMIT_ID
UDF_WELL_TYPE UDF_CE_FINAL	<u>UDF_CE_CNC</u> <u>UDF_CE_CC</u> <u>U</u>	DF_CE_NOVA UDF_CE_PA_REF	<u>UDF_CE_INJUNCTION</u> <u>U</u>	DF_INVOICENO
<u>SITE_ADDRESS</u> 2301 23rd ST SE	<u>PO_EMAIL</u> <u>UDF_L</u>	OCATION		UDF_DISCLOSURE
UDF_ALERT	UDF_CONTACT_ME UDF_REL4	TED_ID_UDF_FIRM_ID_UDF_IND	DIVIDUAL_ID UDF_COMPLA	INT_TYPE
UDF_CONTACT UDF_ONGOING UD	F_WEATHER UDF_N	O_CONTACT UDF_VIOLATION_E	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 <u>Public</u> <u>Records Request Center</u> 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





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 Reques	t for Patient Care Records	s Form
District Records Aboveground/u	nderground storage ta	ank records, hazardous
Other materials use/s	pill/storage records, c	ode violations
Identification of Records:		ident Date:
1) Location/Address of Incident:	t SE, Puyallup	
2) Name: Last	First	MI
Requestor:	1/ den	
Name: Last Kelly	First Kyler	MI
Company: Earth Solutions NW. LLC	Phon	e:206.856.3937
Email Address: kylerk@esnw.com	Fax	x:
Street / Mailing Address: 15365 NE 90th St	Suite 100 Redmone	
City:		J WA, 98032
Attorney / Legal Owner / Pat	ient Dublic N	Non-Related
Guardian Media		gencies (i.e., Police,
Date of Request: 12/29/22	DSHS	S, Fire Marshal) Time:
Requestor's signature:		I me
For Office	Use Only	Vacant lot. Not records found.
	lus si dis unt di	vacant lot. Not records found.
Processed Date: 01/09/2023	Incident #	
Check here if request	is for <u>inspection only</u> .	
Amount Paid:	Cash F	Receipt Number:
Request granted	Check Number:	
Image: Second with the second wi	neld 🗌 R	ecord withheld in part
Mailed Faxed	P	icked up in person
1. If withheld, name the exemption contained in		rizes the
withholding of the record or part of record: S		
2. If withheld, explain how the exemption applie	es to the record withheld:	
CPFR Employee Signature: Denise Ross		

Denise Ross

From: Sent: To: Subject: Attachments: Kyler Kelly <kylerk@esnw.com> Thursday, December 29, 2022 9:00 AM Records@CentralPierceFire.org ES-5559.06 Public Records Request Form 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: <u>kylerk@esnw.com</u>

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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. Former Pioneer Museum December 7, 2011 Page 2 of 2

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,

Jean Cros

Kim Cross **Toxics Cleanup Program** Southwest Regional Office

ksc:ENL 12072011 Former Pioneer Museum

by certified mail: (7010 0780 0002 3403 2803)

Joshua Gunia cc: Sharon Bell, Department of Ecology Cris Matthews, Department of Ecology

nitial Rep	ort			External	Reference #		
Caller Informa	ation			Where did it happe	<u>en</u>		
	First	Last		Berth		Anchorage	
Name	Lt.	Neally		Location Name			
	Tacoma Fire Dep	partment			1900 blk 22nd Place		
Street Address				Other Address			
Other Address				-	PUYALLUP	State WA	Zip
City E-mail		State WA	Zip	County - Region WIRA #	PIERCE	SWRO	FS ID
E-mail			Confidential_FL			-	
Phor	ie Ext	Туре		Waterway	47 470054		vpe
(253)	591-5733	Busine	SS	Latitude	47.172051	Longitude	122.265
				Topo Quad 1:24:000			
<u>Nhat happen</u>	<u>ed</u>	Spills Pro	ogram Oil Spill? N	Direction/Landmark (m	me post, cross roads, nuseum. 2140 22nd S		
Incident Date	6/27/2010 F	Received Date	6/27/2010 5:55	200 1001 09 200 1001	nuseum. 2140 22nu (
Medium	BUILDING/STRI	UCTURE					
Material	UNKNOWN			Primary Potentiall	y Responsible Pa	rty Informat	tion
	Quantity	Unit		First	Last	•	
	15	DRUM		Name	Unknown		
Source	UNKNOWN			Business Name			
Course				Street Address			
Cause	UNKNOWN			Other Address			
Activity				City		State WA	Zip
Activity Impact	UNKNOWN POTENTIAL PO	LLUTION/RELE	ASE	Phone	Ext	Ту	•
Vessel Name				E-mail			
Huil Num	her						
Additional Co	ntact Informati	ion					
Name		Phone		Туре			
, Greg		(253)	377-6854	Business			
, oleg							
, онеу More Informa	tion						

ERTS # 620837

Referral

					Referral #	134886
Referral Method	Person Referred to	BROOKS, NANNETTE			Primary	
O E-mail ERTS number		(360) 407-6242	Fax (3)	60) 407-6305		
O E-mail attachment		nbro461@ecy.wa.gov SPILLS, PREVENTION	PREPA	REDNESS AND RESPO	NSE	
	-	PO BOX 47775				
 Telephone 	City Region/Location	olympia Swro	WA	98504-		
	Referral Date					
					Referral #	138717
Referral Method	Person Referred to	BELL, SHARON			Primary 🗌	
 E-mail ERTS number E-mail attachment 	E-mail Program/Organization		Fax			
 Print Telephone 	Address	ТАСОМА	WA			

ERTS # 620837

Followup

Inspe	ector Inform	nation					Where did i	<u>it happen</u>				Followup #1
	Referral	# 134886	3				Berth	ı		Anchorage		
	Lead Inspect	or BROO	KS, NAN	INETTE			Location Name)				
Progra	am/Organizatio		5, PREVI ESPON		PREPAREDNE	SS	Street Address Other Address		nd Place			
*	Region/Location	on SWRO)					PUYALLUP	- -	State WA	Zip	
#	f of Ecology Sta	aff 2	Ov	ertime 🗸			-	PIERCE		SWRO	FS ID	
<u>Actio</u>	n				Start Date	End Dat	te Waterway		Region		F3 10	
TCP -	SIS				11/16/2010	5/27/20	011 WRIA#			Туре		
TELE	PHONE - TEC	HNICAL A	SSISTA	NCE	11/16/2010	5/27/20						
	happened	6/27	7/2010	Spills Pr	ogram Oil Spill?	N	Latitude Topo Quad 1	47.17 24,000 PUY		Longitude		122.26551
<u>Medi</u>	um						Direction/Lan	dmark (mile po	st, cross	roads, town	ship/rang	e)
	LDING/STRUC	TURE						(p -	- 1			-,
<u>Mate</u> UNł	<u>rial</u> KNOWN											
	Quantity	Unit			Est	-			. .			
	15	DRUM				Ŀ	Potentially R					
<u>Sour</u> UNK	<u>ce</u> F KNOWN	Regulated	?				Cne	ck if the prima	гу РКР рі	roviaea notic	Ce to Ecol	logy
Caus												
<u>lmpa</u> POT	KNOWN Ict FENTIAL POLL	.ution/ri	ELEASE									
Vess	<u>iei</u>											
	at the location various states	and disco of fullness	vered the	e drums i of the 55 g	mpany. Greg fro n an unaffected jallon drums are lice department.	part of th full and s	e building. The some are closer	drums are not to empty. Wh	t compror nen Fire le	nised at this eaves the so	time. Th	ney are in
					Ve decided I sho y owner, this rea						Due to the	e stability of
	l briefed Fire a	at 06:27.										
	l updated Ron	Holcomb	at 06:31									
							Entry Person:	Baxter, Susar	ı	En	itry Date	6/28/2010
Inspe	ector Inform	nation					Where did	it happen				Followup #2

ERTS # 620837

Referral # 134	1886		Berth		Anchoraç	je
Lead Inspector HOI	LCOMB, RON		Location Name			
ogram/Organization SPI ANI	ILLS, PREVENTION D RESPONSE	N, PREPAREDNESS	Street Address Other Address	1900 blk 22nd	Place	
* Region/Location SW	/RO		Citv/Place	PUYALLUP	State WA	Zip
# of Ecology Staff	2 Overtime		Countv		Region SWRO	FS ID
<u>tion</u> ELD RESPONSE - INVE	STIGATION	Start Date End I 6/28/2010 6/28	Date Waterway 2010 WRIA #		Ту	
4 1	Crille		Latitude	47.172	113 Longitud	le 122.265218
hat happened	•	Program Oil Spill? Y		47.172 24,000 PUYAL	-	122.200210
Incident Date 6 Iedium	6/27/2010		•			unable (see as)
_and			Direction/Land	mark (mile post	, cross roads, to	wnsnip/range)
laterial						
Dily Water Mixture		Sheen Only				
	o Imperm Recover	NRDA Est				
051 0 0			Potentially Re			
	_				PRP provided n	otice to Ecology
	ited?		Primary 🔽	First	-	Last
eaking Drum or Containe		Primon /	Name S	sharon	Tanner	
Type Private Proper	l y	Primary 🖌	Business Name			
i <u>use</u> Nora Eutoreal Ora dition			Street Address 2	5518 - 133rde .	Ave. NE	
ther - External Condition			Other Address			
Type External Cond	ntions	Primary 🖌	City A	RLINGTON	State WA	Zip 98225-
<u>ident Type</u>			Phone (360) 435-6469	Ext	Type Home
il Spill			E-mail			
<u>stivity</u>			Primary	First		Last
ither pact			Name J		Gunia	
OIL CONTAMINATION			Business Name			
ssel			Street Address 1	5714 44th Ave	nue Ct. E.	
			Other Address			
				ACOMA	State WA	Zip 98446-
			Phone (253) 579-6769		Type Mobile
				uniagroup@co		The mone
				unagroup@co	nodatinet	
Narrative						
On 6/27/10 I (Ron Ho Central Pierce Fire & Pioneer Museum in F	Rescue regarding Puyallup. I advised	cted by after-hours spill r a number of abandoned Nannette to check with today. Nannette called t	drums discovered SWRO Regional Sp	while dealing w ill Response U	ith a fire at the ol nit Supervisor Jir	d Western Washington m Sachet to determine
On 6/27/10 I (Ron Ho Central Pierce Fire & Pioneer Museum in F whether we should as	Rescue regarding Puyallup. I advised issess the situation biz and I responded	a number of abandoned Nannette to check with today. Nannette called t to Puyallup and met with	drums discovered SWRO Regional Sp back and said Jim v	while dealing w ill Response U vanted to hold o	ith a fire at the ol nit Supervisor Jir off until Monday (d Western Washington n Sachet to determine 6/28/10).
On 6/27/10 I (Ron Ho Central Pierce Fire & Pioneer Museum in F whether we should as On 6/28/10 Doug Sto conducted a site insp We initially checked a	Rescue regarding Puyallup. I advised assess the situation plz and I responded pection (see photos an old horse barn a	a number of abandoned Nannette to check with today. Nannette called t to Puyallup and met with	drums discovered SWRO Regional Sp back and said Jim v h CPF&R at Station	while dealing w ill Response U vanted to hold o #2. We then fo	ith a fire at the ol nit Supervisor Jir ff until Monday (ollowed Engine 7	ld Western Washington n Sachet to determine 6/28/10). '2 to the property and
On 6/27/10 I (Ron Ho Central Pierce Fire & Pioneer Museum in F whether we should as On 6/28/10 Doug Sto conducted a site insp We initially checked a were observed in this	Rescue regarding Puyallup. I advised issess the situation plz and I responded pection (see photos an old horse barn a s building that was r	a number of abandoned Nannette to check with today. Nannette called t to Puyallup and met with in file).	drums discovered SWRO Regional Sp back and said Jim v h CPF&R at Station (~25 - 30) empty 55	while dealing w ill Response U vanted to hold c #2. We then fo gallon drums (i	ith a fire at the ol nit Supervisor Jir ff until Monday (ollowed Engine 7 metal and fiber).	ld Western Washington n Sachet to determine 6/28/10). /2 to the property and No other chemicals
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On 6/27/10 I (Ron Ho Central Pierce Fire & Pioneer Museum in F whether we should as On 6/28/10 Doug Sto conducted a site insp We initially checked a were observed in this We then proceeded to what was identified: Container Type 55-gallon drums 15/30-gallon drums	Rescue regarding Puyallup. I advised issess the situation of and I responded pection (see photos an old horse barn a s building that was i to the burned buildin Total #Empty 22 4 3 1	a number of abandoned Nannette to check with a today. Nannette called t to Puyallup and met with in file). and identified numerous (not involved in the fire. ng and did some basic a # Full/Partially Full 18 2 3 4	drums discovered of SWRO Regional Sp back and said Jim v h CPF&R at Station (~25 - 30) empty 55 ssessment of the de Total Maximum Cap 990 gallons 45 gallons	while dealing w ill Response U vanted to hold c #2. We then fo gallon drums (n rums and other	ith a fire at the ol nit Supervisor Jir ff until Monday (ollowed Engine 7 metal and fiber).	d Western Washington n Sachet to determine 6/28/10). /2 to the property and No other chemicals

ERTS # 620837

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

a great weekend. Joshua Gunia, Vice Preside A Advanced Septic Services 253-435-9999 Office 253-579-6769Cell joshua@guniagroup.com aadvancedservices.com `The Guys To Know When `	ent s, Inc.	or working with	us on this. m	y mailing ado	dress is 15714	4 44th ave ct e Tac	oma WA 9	8446. Have
Because the SWRO Spill Re referred to the Toxic Cleanu Referral to TCP (Sharon Be	up Program.		·			of the cleanup at t	his site, it v	will be
			Ent	ry Person: I	HOLCOMB, R	ON E	Entry Date	6/29/2010
spector Information			<u>wi</u>	<u>nere did it</u>	happen			Followup #3
Referral # 138717	Overtime	Start Date 11/16/2010 11/16/2010	Str	eet Address her Address City/Place	Former Pion 2301 23rd SI PUYALLUP PIERCE		Zip FS ID	9490

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ERTS # 620837

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<u>Vhat happened</u>		Spills Program Oil Spill?	Ν	Latitude	e 47.1721	113 Longi	tude 122.265	218
Incident Date	6/27/2010			Topo Quad	1:24,000 PUYAL	LUP		
<u>Medium</u> SOIL				Direction/Lan	dmark (mile post	, cross roads,	township/range)	
<u>Material</u> CHEMICAL								
	Jnit	Est		Potentially P	Poononoihla	Dorty Infor	motion	
1051 G	ALLON				Responsible		Ination to Ecology	7
	ulated?				First		Last	_1
OTHER				Name	Sharon	Tanner		
<u>Cause</u>				Business Name				
HUMAN FACTOR - U	NINTENTIONA	L		Street Address	11907 240th St I	NE		
				Other Address				
				City	ARLINGTON	State WA	Zip 98225-	
Activity				Phone	(360) 435-6469	Ext	Type Home	
OTHER Impact				E-mail				
SOIL CONTAMINATIO	ON			Primary 🖌	First		Last	
Vessel		,		Name	Sharon	Tanner		
				Business Name	Former Pioneer	Museum		
				Street Address	11907 240th Str	eet		
				Other Address				
				City	ARLINGTON	State WA	Zip 98223-	
				Phone	(360) 474-1829	Ext	Type Home	
				E-mail				
Narrative								
	NDED FOR LIS	STING IN ISIS. SEE INITI	AL INV	ESTIGATION SE	ENT TO SWRO F	RECORDS CE	ENTER 04/30/2012.	
				Enfry Person:	JUNEAU, CONI	VIE	Entry Date 5/2/20	12

In	itial Investigation Close-Out Router
ERI	S#: 620837 Site Name: PIONEER MUSEUM
1	Recommended Action: Circle the appropriate categories: NFA Listing on SIS High Priority SHA Initial Investigator:
2	Unit Supervisor: CM Justifice 6/21/11
3	Final Action: Circle the appropriate categories: NFA Listing on SIS High Priority SHA Section Manager: //// for Rebecca Lawson 6/23/11
	NFAs go Directly to the Incident Tracker, and Then the File Room; Others Follow the Process Below
4	Entered on SIS: Date: $ 2 07 201 $ SIS Site Number: Facility Site Number: 9490 Date Early Notice Letter Sent: 72072011 SIS # 11739 FS/SIS Coordinator: Kull Markows
5	FS/SIS Coordinator: Keuloss Incident Tracker: Date: 5/2/12
6	File Room: County: File Type:

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ERTS # 620837

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Initial Rep	ort			External I	Reference #			
Caller Informa	ation			Where did it happe	en			
	First	Last		Berth		Anchorage		
Name	Lt.	Neally		Location Name				
Busines Name	Tacoma Fire I	Department		Street Address	1900 blk 22nd Place			
Street Address				Other Address				
Other Address				City/Place	PUYALLUP	State WA	Zip	
City		State WA	Zip	County - Region	PIERCE	SWRO	FS ID	
E-mail			Confidential_FL	WIRA #				
Phon	ie E	xt Type		Waterway		Ту	pe	
(253)	591-5733	Busin	ess	Latitude	47.172051	Longitude		122.26551
(,				Topo Quad 1:24:000	PUYALLUP			
What happen	ed	Spills F	Program Oil Spill? N	Direction/Landmark (m 200 feet by 200 feet r	nile post, cross roads, museum. 2140 22nd \$	• •	•	
Incident Date	6/27/2010	Received Date	6/27/2010 5:55	-				
Medium	BUILDING/S	TRUCTURE						
Material	UNKNOWN			Primary Potential	y Responsible Pa	arty Informat	<u>ion</u>	
	Quar	ntity Unit		First	Last			
	15	DRUM		Name	Unknown			
Source	UNKNOWN			Business Name				
				Street Address				
Cause	UNKNOWN			Other Address				
Incident Type				City		State WA	Zip	
Activity		POLLUTION/REL		Phone	Ext	Тур	-	
Vessel Name	FUTENTIAL	FOLLOHOMALE	LAGE	E-mail				
Hull Num								
Additional Co	ntact Inforn	nation						
Name		Pho		Туре				
, Greg		(253) 377-6854	Business				
More Informa	tion							
Fire has disco	overed 15 drun	ns of unknown con	ents and a scene of an	abandoned warehouse	fire.			
			Entry Pe	erson Baxter, Susan		Entry Dat	e 6/28/2	2010

ERTS # 620837

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Referral

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					Referral #	134886
Referral Method	Person Referred to	BROOKS, NANNETTE	Ξ		Primary	
 E-mail ERTS number E-mail attachment Print Telephone 	E-mail Program/Organization Address	PO BOX 47775	N, PREPAI	60) 407-6305 REDNESS AND R 98504-	ESPONSE	
	Region/Location Referral Date	OLYMPIA SWRO 6/27/2010	WA	90JU4-	Referral #	138717
Referral Method C E-mail ERTS number E-mail attachment		(253) 798-2891 erts@tpchd.org	Fax		Primary [
 Print Telephone 	Address	TPCHD TACOMA	WA			

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ERTS # 620837

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Followup

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Inspector Information		W	here did if	happen			Followup #1
Referral # 134886		<u></u>	Berth	<u>nappon</u>	Anchorage		
Lead Inspector BROOKS, NANNETTE		Lor	cation Name		Androidage		
Program/Organization SPILLS, PREVENTION AND RESPONSE		SS Str		1900 blk 22nd	I Place		
* Region/Location SWRO		0		PUYALLUP	State WA	Zip	
# of Ecology Staff 2 Overtime			•	PIERCE	Region SWRO	FS ID	
Action	Start Date	End Date	Waterway	TILINOL	0	FOID	
TELEPHONE - TECHNICAL ASSISTANCE	6/27/2010	6/27/2010	WRIA #		Туре		
What happened Spills I	Program Oil Spill?	N	Latitude	47.172	2051 Longitude		122.26551
Incident Date 6/27/2010		Г	opo Quad 1:	24,000 PUYA	LLUP		
Medium		Di	rection/Land	mark (mile pos	it, cross roads, town	ship/rang	le)
BUILDING/STRUCTURE							
Material							
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15 DRUM	題	<u>ru</u>			Party Informat		loav 🗌
Source Regulated?			0100	ata are prinsu)	, , provided four		
UNKNOWN							
Cause							
UNKNOWN							
Incident Type							
Activity							
UNKNOWN							
Impact							
POTENTIAL POLLUTION/RELEASE							
Vessel							
Narrative							
I (Nannette Brooks) contacted the Fire C	omnany Grea fro	om Engine C	ompany 72 <i>(</i>	on scene. He i	old me that Engine	72 resno	nded to a fire
at the location and discovered the drums	s in an unaffected	part of the bu	illding. The	drums are not	compromised at this	time. Th	ney are in
various states of fullness-some of the 55 posting a fire watch and neither will the p						ene, the	y will not be
posting a fire watch and heither will the	once department.	1116 6166 15	residentiar.	LCOIDY assist	ance requested.		
I briefed my duty partner, Ron Holcomb.						Due to the	e stability of
the drums and the need to contact prope	eny owner, this res	ponse will be	e conquctea (during regular	business nours.		
I briefed Fire at 06:27.							
l updated Ron Holcomb at 06:31.							
		_			_		
		En	try Person:	Baxter, Susan	Er	ntry Date	6/28/2010
Inspector Information		W	here did if	t happen			Followup #2
Referral # 134886			Berth		Anchorage		
Lead Inspector HOLCOMB, RON		Lo	cation Name		0		
Program/Organization SPILLS, PREVENTION	N, PREPAREDNE	SS Str	eet Address	1900 blk 22nd	d Place		
AND RESPONSE * Region/Location SWRO		Ot	her Address				
			City/Place	PUYALLUP	State WA	Zip	
# of Ecology Staff 2 Overtime Action	Start Date	End Date	County	PIERCE	Region SWRO	FS ID	
FIELD RESPONSE - INVESTIGATION	6/28/2010	6/28/2010	Waterway		Туре		
	0/20/2010	0/20/2010	WRIA #		,		
Monday, November 01, 2010 ****	The Initial report co	•	formation pro	vided to Ecolog	y from the		Page 3 c

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ERTS # 620837

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1 March D. C.	•	ills Program Oil Spil		Latitude	e 47.1721 1:24,000 PUYAL	4	tude 122.265218
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ERTS # 620837

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

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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



INITELL INVESTIGATION (LELD REPORT

ERTS Number: <u>620837</u> **Parcel #:** <u>0420353027</u> **COUNTY:** <u>PIERCE</u>

SITE INFORMATION

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Site Name (e.g., Co. name over door): Pioneer Museum	Site Address (including City and Zip+4): 2301 23 rd 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 240 th 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

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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

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OBS	ERV	ΆT	IONS

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.

Method	Analyte Group	Detects	Concentration	MTCA CUL	CLARC
8081A			0.01	0.01	0.0770
	pesticides	Beta-BHC (lindane)	0.01	0.01	0.0769
		Methoxychlor	0.019		400
8151A Chlorinated acid					
	herbicides	MCPP	36		
		МСРА	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

S1 results for pesticides and herbicides; measurement units are mg/kg

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

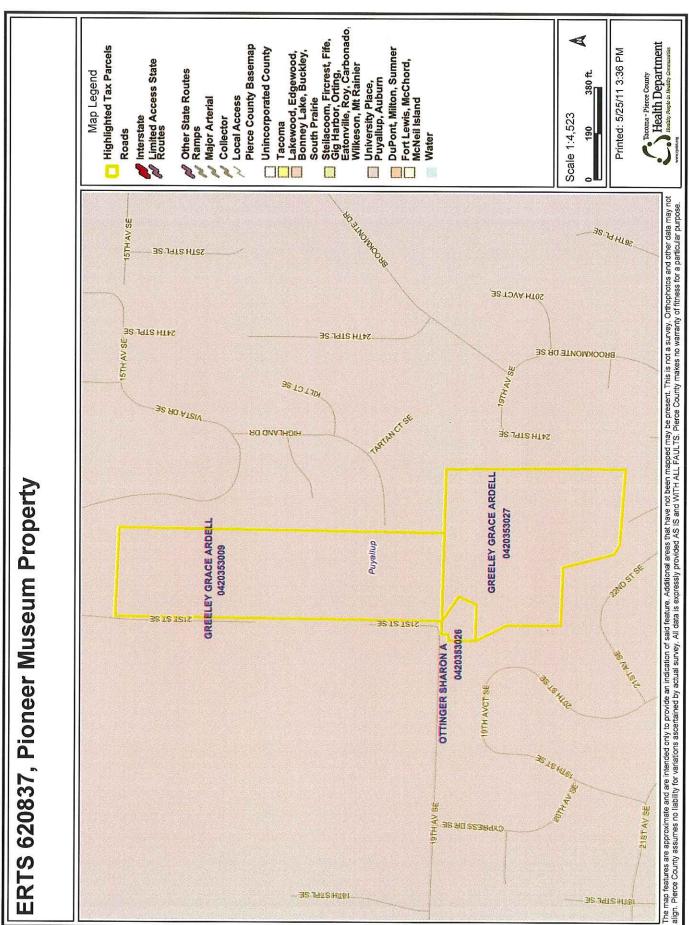
for the presence of lindand	e and o	ther ag	ricul	1 che	micals	is war	ranted	. Note	: EDB	was n	o te	ed for.				
The TPCHD recommends	listing	this p	roperty	as coi	ntamin	ated.										
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																,
Description of past practice	s likely	to be i	espons	ible fo	r conta	minatic	n:									
Overflowing drums, leakin								ucts in	drums.							
ACTIVITIES OR PRAC	TICES	RESP	PONSI	BLE F	OR C	ONTA	MINA	TION:								
Spill	1102.		\boxtimes		011 0		JST									
Pesticide disposal				Tank Improper handling												
Landfill Drums							proper proper									
Other – Describe:											_					
					-~											
Are discharges permitted (i	f yes, d	lescribe	;): N	lo 🛛	Yes		Standar	d Indu	strial C	ode(s)						
CONTAMINANT(S)																
AFFECTED MEDIA		TAMI											s of cor	ntamina	int:	
		C = Co			1	r		-				····	10	1	1 1 7 1	16
Ground Water	1	2 S	. 3	4	5	6 S	7 S	8	9	10	11	12	13	14	15	16
Surface Water							5									
Drinking Water	<u> </u>													<u> </u>		
Soil		С				С	С						····			
Sediment																
Air	 															
1 Base/neutral organics		-	7 Pe	troleun	1 produ	icts	•••••	-	<u>.</u>	13 C	orrosiv	ve wast	es			
2 Halogenated organic con	npound	s		enolic	-					14 1	Radioa	ctive w	astes			
3 Metals - Priority pollutan	ts		9 No	on-halo	genate	d solve	nts			15 C	Conven	tional c	ontami	inants,	organic	
			10 D	ioxin						16 C	Conven	tional c	ontami	inants,	inorgan	ic
5 Polychlorinated biPhenyl	ls (PCE	s)	11 Po	lynucl	ear aro	matic h	ydroca	rbons ((PAHs)						·	
			 Polynuclear aromatic hydrocarbons (PAHs) Reactive wastes 													

SITE INFORMATION ((
Soil type 13B Everett gravelly sandy loan and 20B, 20C Kitsap silt loam	Slope Level					
Site vegetation/cover present: Forest Image: Solid state s	Pasture/open field Wetlands Pavement Surface water					
Landscaped						
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	g water source?	Yes		🗌 No		
Are there monitoring wells in the vicinity?		Yes		🗌 No		
Are there dry wells in the vicinity?		Yes		🗌 No		

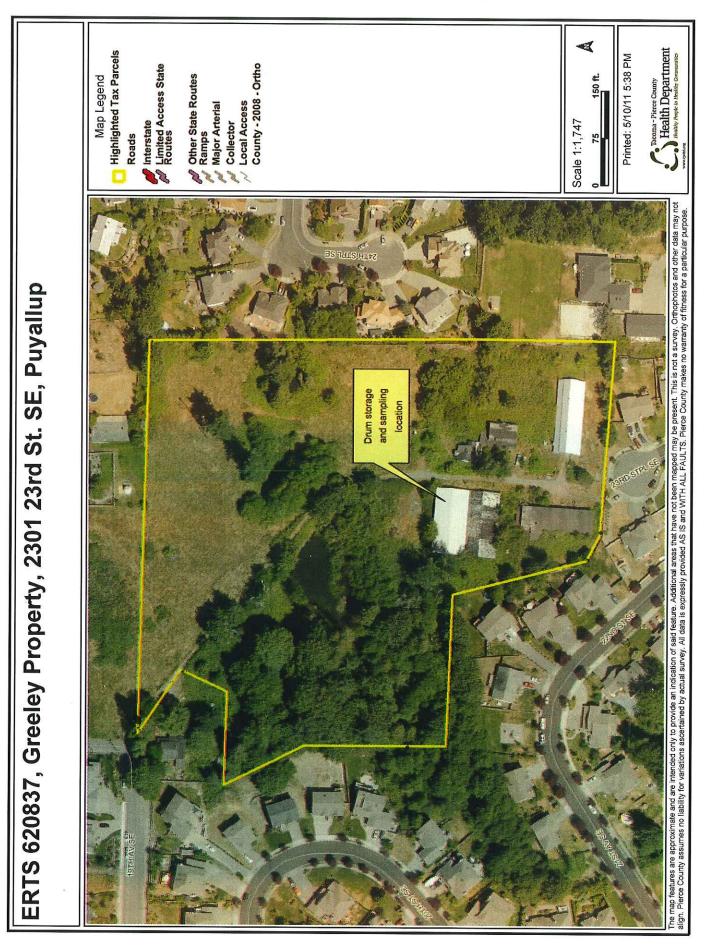
CONTAMINANT PATHWAYS AND TARGETS

.

	Ingestion	Inhalation	Contact
Ground Water	Х	x	x
Surface Water	X	x	x
Drinking Water	х	x	x
Soil	Х	x	x
Sediment			
Air		x	
Targets possible: Human, adult Human, children		Residential 🖾 Industrial 🔲 Commercial 🗍	
This site overlies the Central P wetlands, parks and streams.	describe: 'ierce County Sole Source Aquifa	er. A pond/wetland is present on the site	. Within two miles are multiple
General Comments:			



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Parcel Summary for 0420353027

05/24/2011 09:44 AM

Property Detail	5		Taxpayer Details	1	
Parcel Number:	0420353027		Taxpayer Name:	GREELEY GRACE ARDELL	
Site Address:	2301 23RD ST SE		Mailing Address:	11907 240TH ST NE	
Account Type:	Real Property			ARLINGTON WA 98223-8593	
Category:	Land and Improvement	S			
Use Code:	8300-CU FARM & AGRI CURRENT USE	RCW 84.34			
Appraisal Detai	ls		Tax/Assessment		
Value Area:	PI5		Property in Forec	losure	
Appr Acct Type:	Residential		Current Tax Year:	2011	
Business Name:			Taxable Value:	89,590	
Last Inspection:	03/02/2006 - Physical	Inspection	Assessed Value:	405,000	
Related Parcels	•		·		
Group Account Nu	mber:	<u>36250</u>			
Mobile/MFG Home parcel(s) located o	and Personal Property on this parcel:	n/a		· .	
Real parcel on whi	ch 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

Land Characteristics for 0420353027

05/24/2011 09:44 AM

Property Detail	S	Taxpayer Detail	S
Parcel Number:	0420353027	Taxpayer Name:	GREELEY GRACE ARDELL
Site Address:	2301 23RD ST SE	Mailing Address:	11907 240TH ST NE
Account Type:	Real Property		ARLINGTON WA 98223-8593
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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Parcel Summary for 0420353009

05/24/2011 09:44 AM

Property Detail	S		Taxpayer Details	· · · · · · · · · · · · · · · · · · ·	
Parcel Number:	0420353009		Taxpayer Name:	GREELEY GRACE ARDELL	
Site Address:	2301 23RD AV SE		Mailing Address:	11907 240TH ST NE	
Account Type:	Real Property			ARLINGTON WA 98223-8593	
Category:	Land and Improvement	ts			
Use Code:	8300-CU FARM & AGRI CURRENT USE	RCW 84.34			
Appraisal Detai	ls		Tax/Assessment	L .	
Value Area:	PI5		Property in Foreclosure		
Appr Acct Type:	Residential		Current Tax Year:	2011	
Business Name:			Taxable Value:	1,805	
Last Inspection:	02/23/2006 - Physica	I Inspection	Assessed Value:	351,600	
Related Parcels	1 • •				
Group Account Number:		n/a			
Mobile/MFG Home parcel(s) located	and Personal Property on this parcel:	n/a			
Real parcel on wh	ich 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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Land Characteristics for 0420353009

05/24/2011 09:45 AM

Property Detail	S s s s s s s s s s s s s s s s s s s s	Taxpayer Detail	S	:
Parcel Number:	0420353009	Taxpayer Name:	GREELEY GRACE ARDELL	
Site Address:	2301 23RD AV SE	Mailing Address:	11907 240TH ST NE	
Account Type:	Real Property		ARLINGTON WA 98223-8593	
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	

Warning: Appraisal data provided is for informational purposes only and is incomplete for determination of value.

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Parcel Summary for 0420353026

05/24/2011 09:45 AM

Property Detail	S		Taxpayer Details	•	
Parcel Number:	0420353026		Taxpayer Name:	OTTINGER SHARON A	
Site Address:	2100 19TH AV E		Mailing Address:	11907 240TH ST NE	
Account Type:	Real Property			ARLINGTON WA 98223-8593	
Category:	Land and Improvement	S			
Use Code:	1101-SINGLE FAMILY D	WELLING			
Appraisal Details		Tax/Assessment		:	
Value Area:	PI5		Property in Foreclosure		
Appr Acct Type:	Residential		Current Tax Year:	2011	
Business Name:			Taxable Value:	177,200	
Last Inspection:	07/15/2004 - Board		Assessed Value:	177,200	
Related Parcels	; i			· · · · · · · · · · · · · · · · · · ·	
Group Account Nu	ımber:	n/a			
Mobile/MFG Home parcel(s) located (and Personal Property on this parcel:	n/a			
Real parcel on wh	ich this parcel is located:	n/a			
Tay Description					

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 Detail	S	Taxpayer Detail	ls	
Parcel Number:	0420353026	Taxpayer Name:	OTTINGER SHARON A	
Site Address:	2100 19TH AV E	Mailing Address:	11907 240TH ST NE	
Account Type:	Real Property		ARLINGTON WA 98223-8593	
Category:	Land and Improvements			
Use Code:	1101-SINGLE FAMILY DWELLING		<u></u>	
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

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e Name	ERTS 6	,20837,	GREEU	EY PROPERTY	1 (a Ka Pioneer	Museum	
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				•		PRUM	
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Sharon Bell

From: Sent: To: Subject: Attachments: Sharon Bell Tuesday, May 24, 2011 8:53 AM 'A Advanced Septic' Sample results 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.

1

Sharon Bell

From: Sent: To: Subject: Attachments: David Baumeister [dbaumeister@onsite-env.com] Monday, May 23, 2011 3:14 PM Sharon Bell Report for Project 620837 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.

1

David A. Baumeister Project Manager



14648 NE 95th Street, Redmond, WA 98052 <u>www.onsite-env.com</u> T: 425-883-3881 Cell: 206-550-2483 <u>dbaumeister@onsite-env.com</u>



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

OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

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 4ounce 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.

2

NWTPH-HCID

(with acid/silica gel clean-up)

Matrix: Soll Units: mg/Kg (ppm)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	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				
	00.00.054044					
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					
	05-092-03					
Laboratory ID:						
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				

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NWTPH-HCID QUALITY CONTROL (with acid/silica gel clean-up)

4

Matrix: Soil Units: mg/Kg (ppm)

Analyte	Result	POL	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				

OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

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 8270/310	5-16-11	5-18-11	
2,4,6-Trichlorophenol	ND	1.9	EPA 8270	5-16-11 5-16-11		
•	ND	1.9	EPA 8270		5-18-11	
2,3-Dichloroaniline	ND	1.9	EPA 8270 EPA 8270	5-16-11 5-16-11	5-18-11 5-18-11	
2,4,5-Trichlorophenol	ND	1.9	EPA 8270 EPA 8270			
2-Chloronaphthalene	ND	1.9		5-16-11 5 16 11	5-18-11	
2-Nitroaniline	ND	1.9	EPA 8270 EPA 8270	5-16-11 5-16-11	5-18-11	
1,4-Dinitrobenzene	ND	1.9	EPA 8270 EPA 8270	5-16-11 5-16-11	5-18-11	
Dimethylphthalate					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	

OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

SEMIVOLATILES by EPA 8270D/SIM page 2 of 2

				Date	Date	
Analyte	Result	PQL	Method	Prepared	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	5-16-1 1	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	5-16-1 1	5-18-11	
4-Nitroaniline	ND	1.9	EPA 8270	5-16-11	5-18-11	
Fluorene	ND	0.015	EPA 8270/SIM	5-16-1 1	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	ĘPA 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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SEMIVOLATILES by EPA 8270D/SIM page 1 of 2

Matrix: Soil Units: mg/Kg

				Date	Date	
Analyte	Result	PQL	Method	Prepared	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 5-16-11	5-19-11	
1,2-Dinitrobenzene	ND	3.6	EPA 8270	5-16-11	5-19-11	
-	ND	0.036	EPA 8270/SIM	5-16-11	5-20-11	
Acenaphthylene	ND					
3-Nitroaniline	UNI UNI	3.6	EPA 8270	5-16-11	5-19-11	

OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

SEMIVOLATILES by EPA 8270D/SIM page 2 of 2

				Date	Date		
Analyte	Result	PQL	Method	Prepared [.]	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		
1-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		
ois-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		
ois(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		
ndeno[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	=						
Terphenyl-d14		41 - 110 53 - 107				S S	

OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

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:	S3-00-051011	·			, indigiou	
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-methyiphenol	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	

OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

Date Date PQL Result Method Prepared Analyzed Flags Analyte S3-00-051011 **Client ID:** 05-092-03 Laboratory ID: 5-16-11 8.9 EPA 8270 ND 5-19-11 2,4-Dinitrophenol 0.015 0.014 EPA 8270/SIM 5-16-11 5-19-11 Acenaphthene ND 4-Nitrophenol 1.8 EPA 8270 5-16-11 5-19-11 2,4-Dinitrotoluene ND 1.8 EPA 8270 5-16-11 5-19-11 ND Dibenzofuran 1.8 EPA 8270 5-16-11 5-19-11 ND 2,3,5,6-Tetrachlorophenol 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 ND 1,2-Diphenylhydrazine 1.8 EPA 8270 5-16-11 5-19-11 ND 4-Bromophenyl-phenylether 1.8 EPA 8270 5-16-11 5-19-11 Hexachlorobenzene ND 1.8 EPA 8270 5-16-11 5-19-11 ND Pentachlorophenol 8.9 EPA 8270 5-16-11 5-19-11 0.052 Phenanthrene 0.014 EPA 8270/SIM 5-16-11 5-19-11 Anthracene ND 0.014 EPA 8270/SIM 5-16-11 5-19-11 ND Carbazole 1.8 EPA 8270 5-16-11 5-19-11 Di-n-butylphthalate ND 1.8 EPA 8270 5-16-11 5-19-11 ND Fluoranthene 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 EPA 8270 5-16-11 18 5-19-11 Benzo[a]anthracene ND 0.014 EPA 8270/SIM 5-16-11 5-19-11 Chrvsene 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 ND Indeno[1,2,3-cd]pyrene 0.014 EPA 8270/SIM 5-16-11 5-19-11 ND Dibenz[a,h]anthracene 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 30 - 97

SEMIVOLATILES by EPA 8270D/SIM

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40 - 104

35 - 102

44 - 97

41 - 110

53 - 107

83

96

94

89

87

92

Phenol-d6

Nitrobenzene-d5

2-Fluorobiphenyl

Terphenyl-d14

2,4,6-Tribromophenol

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
				•	f	¥
_aboratory 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	
ois(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	
,4-Dichlorobenzene	ND	0.033	EPA 8270	5-16-11	5-17-11	
3enzyl alcohol	ND	0.033	EPA 8270	5-16-11	5-17-11	
,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	
ois(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	
1-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	
sophorone	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	
ois(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	
1-Chloroaniline	ND	0.033	EPA 8270	5-16-11	5-17-11	
Hexachlorobutadiene	ND	0.033	EPA 8270	5-16-11	5-17-11	
I-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	
-Methylnaphthalene	ND	0.0067	EPA 8270/SIM	5-16-11	5-19-11	•
-lexachlorocyclopentadiene	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	
,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	
,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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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		0.033	EPA 8270	5-16-11	5-17-11	
4-Nitroaniline	ND	0.033	EPA 8270		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		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	
	ND	0.033	EPA 8270	5-16-11	5-17-11	
Carbazole	ND	0.33	EPA 8270	5-16-11	5-17-11	
Di-n-butylphthalate	ND	0.33				
Fluoranthene	ND		EPA 8270/SIM	5-16-11	5-19-11	
Benzidine		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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SEMIVOLATILES by EPA 8270D/SIM SB/SBD QUALITY CONTROL

Matrix: Soil Units: mg/Kg

					Per	cent	Recovery		RPD	
Analyte	Re	sult	Spike	Level	Rec	overy	Limits	RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB05	16S3		•						
·	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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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.

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PCBs by EPA 8082

Matrix: Soil Units: mg/Kg (ppm)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	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				

PCBs by EPA 8082 QUALITY CONTROL

Matrix: Soil Units: mg/Kg (ppm)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	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			•	

					Source	Pe	rcent	Recovery		RPD	
Analyte	Re	sult	Spike	Level	Result	Rec	overy	Limits	RPD	Limit	Flags
MATRIX SPIKES											
Laboratory ID:	05-0	78-01									
	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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ORGANOCHLORINE PESTICIDES by EPA 8081A

Matrix: Soil Units: ug/Kg (ppb)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	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	Р
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	Р
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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ORGANOCHLORINE PESTICIDES by EPA 8081A METHOD BLANK QUALITY CONTROL

Matrix: Soil Units: ug/Kg (ppb)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	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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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.

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ORGANOCHLORINE PESTICIDES by EPA 8081A MS/MSD QUALITY CONTROL

Matrix: Soil Units: ug/Kg (ppb)

RPD	
) Limit	Flags
10	
13	
10	
10	
11	
15	
}	3 10 2 11

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CHLORINATED ACID HERBICIDES by EPA 8151A

Matrix: Soil Units: ug/Kg (ppb)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	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	Р
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	Р
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	Р
Surrogate:	Percent Recovery	Control Limits				
DCAĂ	57	30-96				

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CHLORINATED ACID HERBICIDES by EPA 8151A QUALITY CONTROL

Matrix: Soil Units: ug/Kg (ppb)

5 5 6 11 7				Date	Date	
Analyte	Result	PQL	Method	Prepared	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				

					Source	Pe	rcent	Recovery		RPD	
Analyte	Re	sult	Spike	Level	Result	Rec	covery	Limits	RPD	Limit	Flags
MATRIX SPIKES											
Laboratory ID:	05-0	92-01									
	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			

TOTAL METALS EPA 6010B/7471A

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Matrix:	Soil					
Units:	mg/kg (ppm)			b .		
	_ <i>u</i>			Date	Date	
Analyte	Result	PQL	EPA Method	Prepared	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	

6010B

5-13-11

5-13-11

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0.54

ND

Silver

TOTAL METALS EPA 6010B/7471A

Matrix: Units:	Soil mg/kg (ppm)					
				Date	Date	
Analyte	Result	PQL	EPA Method	Prepared	Analyzed	Flags
Lab ID: Client ID:	05-092-03 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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TOTAL METALS EPA 6010B METHOD BLANK QUALITY CONTROL

Date Extracted:	5-13-11
Date Analyzed:	5-13-11

Matrix:SoilUnits: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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TOTAL MERCURY EPA 7471A METHOD BLANK QUALITY CONTROL

Date Extracted:5-11-11Date Analyzed:5-11-11Matrix:SoilUnits:mg/kg (ppm)Lab ID:MB0511S1

AnalyteMethodResultPQLMercury7471AND0.25

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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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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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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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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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ORGANOPHOSPHORUS PESTICIDES by EPA 8270D/SIM

Matrix: Soil Units: mg/Kg

				Date	Date	
Analyte	Result	PQL	Method	Prepared	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	NÐ	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- 1 1	
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	NĎ	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	NÐ	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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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.

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ORGANOPHOSPHORUS PESTICIDES by EPA 8270D/SIM METHOD BLANK QUALITY CONTROL

Matrix: Soil Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
	MDOFICSI					
Laboratory ID: Dichlorvos(DDVP)	<u>MB0516S1</u> ND	0.020	EPA 8270/SIM	5-16-11	E 40 44	
Mevinphos/Phosdrin	ND	0.020	EPA 8270/SIM	5-16-11 5-16-11	5-16-11 5-16-11	
Ethoprophos	ND	0.020	EPA 8270/SIM			
Monocrotophos	ND	0.050	EPA 8270/SIM	5-16-11 5-16-11	5-16-11	
Naled	ND	0.050			5-16-11 5-10-11	
Sulfotepp	ND	0.050	EPA 8270/SIM EPA 8270/SIM	5-16-11 5-16-11	5-16-11	
Phorate	ND	0.020	EPA 8270/SIM		5-16-11	
	ND			5-16-11	5-16-11	
Dimethoate		0.020	EPA 8270/SIM	5-16-11	5-16-11	
Demeton-S	ND . ND	0.020	EPA 8270/SIM	5-16- 1 1	5-16-11	
Diazinon		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	
enchlorphos/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	
Frichloronate	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	
Fokuthion/Prothiofos	ND	0.020	EPA 8270/SIM	5-16-11	5-16-11	
ensulfothion	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	
\zinphos-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				<u> </u>
Tributyl phosphate	65	28 - 109				
Triphenyl phosphate	80	37 - 118				

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ORGANOPHOSPHORUS PESTICIDES by EPA 8270D/SIM SB/SBD QUALITY CONTROL

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Matrix: Soil Units: mg/Kg

					Per	cent	Recovery		RPD	
Analyte	Re	sult	Spike	Level	Recovery		Limits	RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB05									
	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	
Valathion	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			

NWTPH-Gx/BTEX

Matrix: Soil Units: mg/kg (ppm)

		1.		Date	Date	
Analyte	Result	PQL	Method	Prepared	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		1		

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NWTPH-Gx/BTEX QUALITY CONTROL

Matrix: Soil Units: mg/kg (ppm)

Surrogate:

Fluorobenzene

				Date	Date	
Analyte	Result	PQL	Method	Prepared	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				

					Source	Per	cent	Recovery		RPD	
Analyte	Re	sult	Spike	Level	Result	Reco	overy	Limits	RPD	Limit	Flags
DUPLICATE											
Laboratory ID:	05-0	94-20									
	ORIG	DUP									
Benzene	ND	ND	NA	NA		Ν	IA	NA	NA	30	
Toluene	ND	ND	NA	NA		N	IA	NA	NA	30	
Ethyl Benzene	ND	ND	NA	NA		٨	A	NA	NA	30	
m,p-Xylene	ND	ND	NA	NA		N	IA	NA	NA	30	
o-Xylene	ND	ND	NA	NA		N	IA	NA	NA	30	
Gasoline	ND	ND	NA	NA		N	IA	NA	NA	30	
Surrogate:											
Fluorobenzene						110	104	68-124			
SPIKE BLANKS		•									
Laboratory ID:	SB05	13S1									
	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	

68-124

93

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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.

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NWTPH-Dx (with acid/silica gel clean-up)

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Matrix: Soil Units: mg/Kg (ppm)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	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
U						

Laboratory iD.	00 002 00					
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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NWTPH-Dx QUALITY CONTROL (with acid/silica gel clean-up)

Matrix: Soil Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Dat Analy	-	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					
			Percent	Recovery		RPD	
Analyte	Result		Recovery	Limits	RPD	Limit	Flags
DUPLICATE							
Laboratory ID:	05-098-03						
	ORIG DU	P			,		

Diesel Range Organics	ND	ND				NA	NA		-
Lube Oil Range Organics	ND	ND				NA	NA		
Surrogate:									
o-Terphenyl			116	108	50-150				

% 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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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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									($\left(\begin{array}{c} \end{array} \right)$							
Reviewed by/Date	Received by	Relinquished by	Received by	Relinquished by	Received by	Relinquished by	Signatury	1				(00 - 06	0 - 0	1 51-00-051011	Lah 10 Sample Identification		Project Manager:	CO20837	Project Number: TPC HD	Phone: (425) 883-3881 • Fax: (425) 885-4603 Company:	Environmental Inc. 14548 NE 95th Street - Redmond, WA 98052	Onsite
Reviewed by/Date			1200	Speedy	Sheely	TPCHO	Сотаралу						11:30 4 2 1	$ \cdot \leq \cdot \leq \cdot $	5/0/1, 10:45 Sil 3 1	Ourier) Date Time # of Sampled Samplet Matrix Cont. N		(TPH analysis 5 working days)	2 Day 3 Day	Same Day 1 Day	(Check One)	Turnaround Request (In working days)	Chain of Custody
			SININ NSS	5.11.11 1155	2-11-11 8:40	5-11-11 8:40	Date Time C					•	8	× 8	8	NWTPH-C NWTPH-E Volatiles t Halogena Semivolat PAHs by 8	Dx by 826 ted Vo iles by 3270C	0B latiles by 8270C	1 8260	B		Laboratory Number:	stody
Chromatograms with final report			RALING Shows DR/ STA			* If HCID indicates Dresence	Comments/Special Instructions:									PCBs by i Pesticides Herbicide Total RCF TCLP Me HEM by 1 VPH EPH	s by 80 s by 8 RA Met tals 664	151A iais (8)	D ((op)	Requested Analysis	05-09	Page 1 of
			~	i' q x		ile							E		X	% Moistu	re					N	

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Report Copy Pink - Client Copy

From: Sent: To: Subject: Sharon Bell Tuesday, May 10, 2011 1:18 PM 'Joshua Gunia' 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.

1

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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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.



5 gallon container visible in doorway 5.



6. Leakage is visible around bottom of container, as well as a heavily stained area to the south (left)..



Closeup of stained area south of drum, on the inside of the doors to the building.



building.

12. Same drums, view towards east/southeast; note doors to building in background.



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.

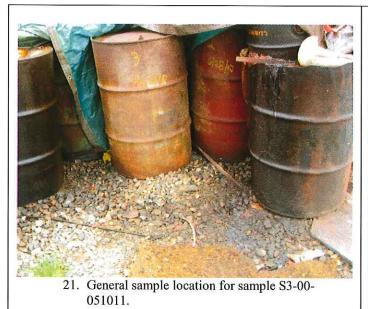
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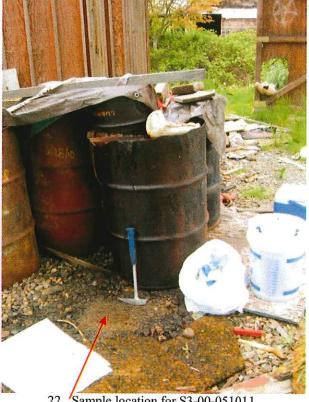
ERTS 620837, Pioneer Museum Photos taken by S. Bell, 05.10.11



19. Photo depicts surface soil held together by sticky material at this location.

20. General sample location for S2-00-051011.





22. Sample location for S3-00-051011.

From: Sent: To: Subject: Sharon Bell Monday, May 09, 2011 9:50 AM 'A Advanced Septic' 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.

1

Environmental Health Specialist Tacoma Pierce County Health Department, MS323 3629 South D Street Tacoma, WA 98418

Phone: 253/798-2891 Fax: 253/798-6294

From: Sent: To: Subject: Sharon Bell Monday, April 11, 2011 11:18 AM 'Joshua Gunia' 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: <u>SBell@tpchd.org</u> To: <u>joshua@guniagroup.com</u> 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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From:Joshua Gunia [joshua@guniagroup.com]Sent:Thursday, April 07, 2011 7:56 AMTo:Sharon BellSubject:RE: Re-inspection, Pioneer Museum

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Phone: 253/798-2891 Fax: 253/798-6294

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From: Sent: To: Subject: Sharon Bell Tuesday, November 09, 2010 2:54 PM 'A Advanced Septic' 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" <<u>SBell@tpchd.org</u>> To: "<u>guniagroup@comcast.net</u>" <<u>guniagroup@comcast.net</u>> 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

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Phone: 253/798-2891 Fax: 253/798-6294

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2

From: Sent: To: Subject: Sharon Bell Thursday, November 04, 2010 10:27 AM 'A Advanced Septic' 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" <<u>SBell@tpchd.org</u>> To: "<u>guniagroup@comcast.net</u>" <<u>guniagroup@comcast.net</u>> 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 Fax: 253/798-6294

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From: Sent: To: Subject: Sharon Bell Tuesday, November 02, 2010 4:57 PM 'guniagroup@comcast.net' 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

Holcomb, Ron (ECY)

620837

From: Sent: To: Subject: A Advanced Septic [guniagroup@comcast.net] Friday, August 20, 2010 3:34 PM Holcomb, Ron (ECY) 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_L ist.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 guestions.

Thank you and good luck with your efforts to sell the property.

Ron Holcomb

Holcomb, Ron (ECY)

Holcomb, Ron (ECY) Friday, August 20, 2010 2:58 PM 'guniagroup@comcast.net' Drums at 2301 - 23rd Street SE, Puyallup 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

620837

Joshua,

From:

Sent:

Subject:

Attachments:

To:

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.

1

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,

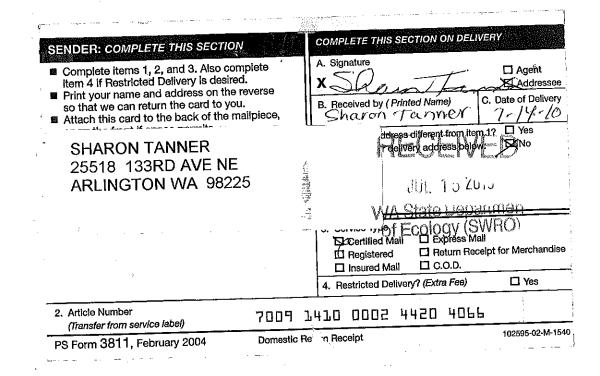
Ron Holcomb Hazardous Materials Specialist Southwest Regional Office (SWRO) Spill Response Unit Spill Prevention, Preparedness & Response Program rb/lp

Enclosures: Photographs HazMat Spills Contractor List

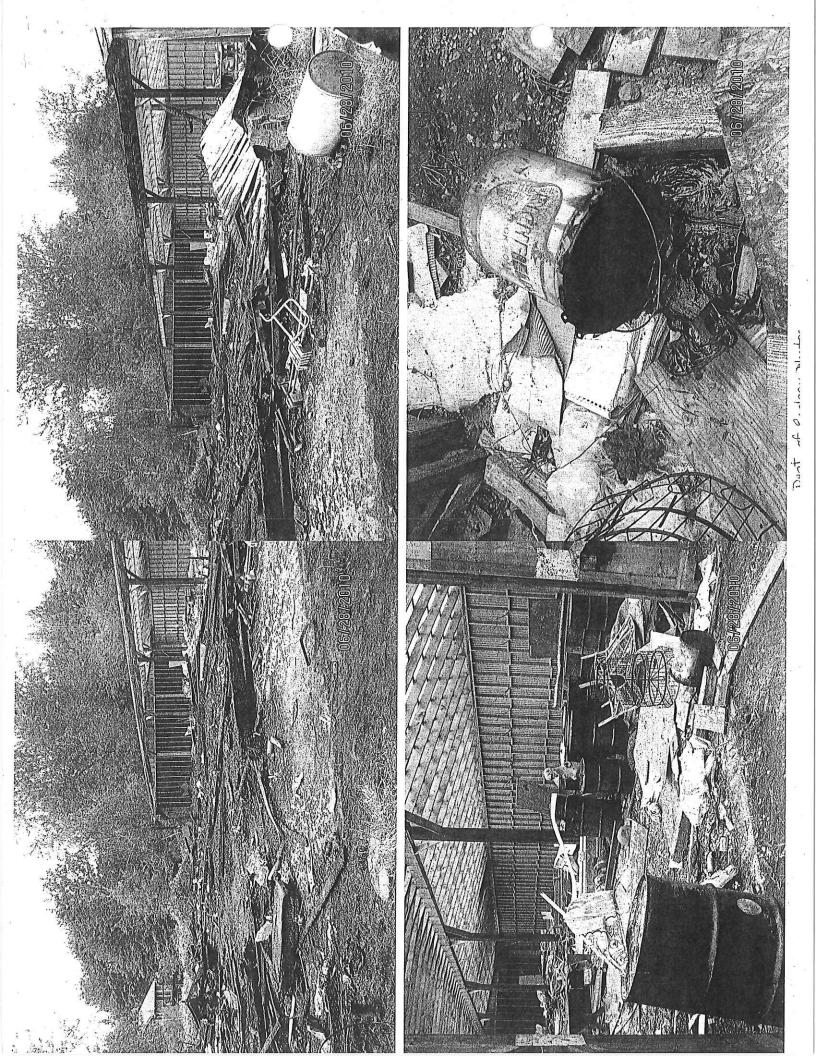
Sent by Certified Mail 7009 1410 0002 4420 4066

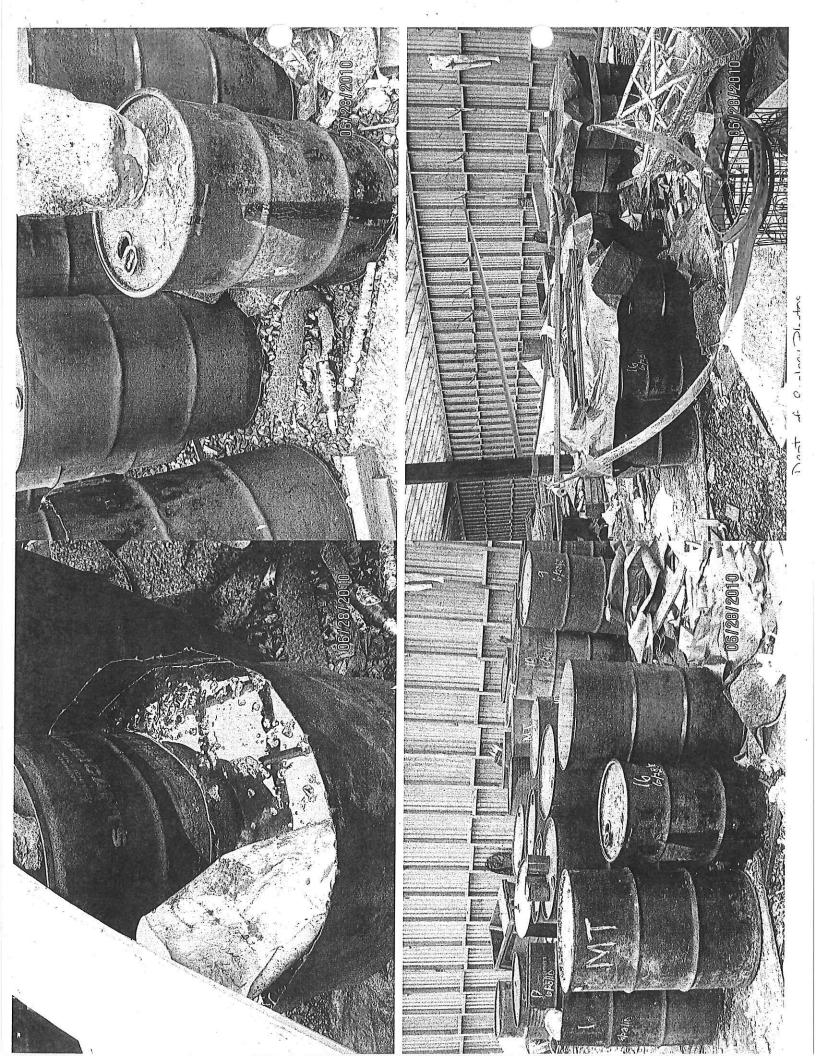
cc: Jim Sachet, Ecology, SWRO Spill Response SWRO Central Files, ERTS 620837, Pierce County





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Ecology does not verify or	Ecology does not verify or endorse any of the contractors o	r information	on this list		rmatio	n on this li	Information on this list is subject to change	et to ch	ande		
COMPANY	COMPANY		OIL SPIL	1_1	Haz		Reactives	Vac	Vessel/	STATE CC	COVERAGE
LOCATION	NAME	NUMBER	Small*	Large	Mat	Organic**	Cylinders	Truck	Water		Western
Aberdeen	Apex Environmental	(360) 532-3590	×	×				×			×
Aberdeen	Evergreen Environmental Inc.	(360) 533-6141	×	×							×
Battleground/Waitsburg	3 Kings Environmental	(360) 666-5464	×	×	×		×		×	×	×
Bellingham	Matrix Service	(360) 676-4905	×	Xw							×
Bellingham	Western Refinery Service	(360) 366-3303						×		[_	×
Camas	West Coast Marine Cleaning	(360) 696-3362	×	×		×		×		×	×
Astoria/Corvallis, OR	NWFF Environmental		MX	мX	×	×	×	×	×	×	: ×
Everett/Orting	Aspen Environmental, Ltd	(800) 716-3377	×	×	×			×		: ×	<
Graham, WA	Drakkar Industries	(253) 302-0014	×	×	×	×					<
Kent	Rivers Edge Services	(206) 941-1645	×	×	×			×			: ×
Longview/Portland/Seattle	Accord	(877) 251-8557	×	×	×	×	×	×			<
Longview	All Out Industrial & Env. Serv.	(360) 414-8655	×	мX	×			×			×
Longview/Astoria/Portland/Aberdeen		(888) 423-6316	×	×w	×	×		×	×	×	×
Lynnwood	Environmental Quality Mngmt	(425) 673-2900	×		×	×					×
Olympia	Focus Environmental Mgt Group	(815) 621-2398					×			×	×
Portland/Eugene/Vancouver	First Strike Environmental	(800) 447-3558	×	×	×	×		×	×	×	×
Portland/Kennewick	Oil Re-Refining Company	(800) 367-8894	×			、		×		×	: ×
Portland/Kennewick/Spokane	Harbor Oil	(503) 285-4648	×							<	<
Puyallup/Olympia	Best Cleaning		×	×	×			×			<>
Puyallup	Pro-Vac		: ×							>	<>
Renton	Aqua Clean Jet-N-Vac. Inc.		: >	: ×		<u>}</u>		<>		<>	<>
Taroma	Northweet Concelo	(010) 042-0020	<	<		<>		< :		×	×
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lacoma	Emerald Services			×	×				*	×	×
lacoma	PRS Group, Inc.	(253) 383-4175	×		×			×			×
Seattle	Baker Tanks	(425) 487-6503		X	×					×	×
Seattle	Ballard Diving & Salvage	(206) 782-6750		×					×		×
Seattle/Tacoma/Vancouver	Emerald Services Inc.	(206) 832-3000	×	×	×			×		×	×
Seattle	Clean Harbors	(800) 645-8265	×	×	×	×	×	×	×	×	×
Seattle/Tacoma/Spokane/Astoria	NRC Environmental Services, Inc	(800) 337-7455	×	мX	×		×	×	×	×	×
Seattle	Global Environmental	(206) 623-0621	×	Хw					×	×	×
Seattle	Marine Vacuum Service	(206) 762-0240	×	×				×		×	×
Seattle	ONYX Enviro. Services	(206) 241-3900			×		×			×	×
Seattle/Spokane	Pacific Industrial Resources	(206) 767-3957	×	×	×		×	×		×	×
Seattle/Tacoma/Washougal	Philip Services Corporation	(800) 547-2436		×	×			×		×	×
Seattle/Portland	Belfor Environmental	(800) 930-0011	×	×	×	×				: ×	: ×
Snohomish	Whiteside Inc		×	×				×		,	<
Spokane	Able Clean-up Technoloiges	(509) 466-5255	۸X	МX	×	×	×	:	×	×	:
Spokane	Big Sky Industrial	(509) 624 4949	×	×				×		: ×	
Vancouver/Pasco	Tidewater Environmental	(360) 695-8088		×	×					×	×
Woodinville	CADRE	(425) 883-8007					×			×	×
w = PRC: WAC 173-181 Approve * Small=roadside_home tank_sad	w = PRC: WAC 173-181 Approved Primary Response Contractor (oii) for faci * Small=roadside_home tank_saddle tank_storm drains_1 draim_atc	acilities.	** Organic=	sewage, b	lood, an	Organic≐sewage, blood, animal waste, etc	ĿŪ.	Revi	Revised March 2010	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)

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HAZMAT SPILLS CONTRACTOR LIST

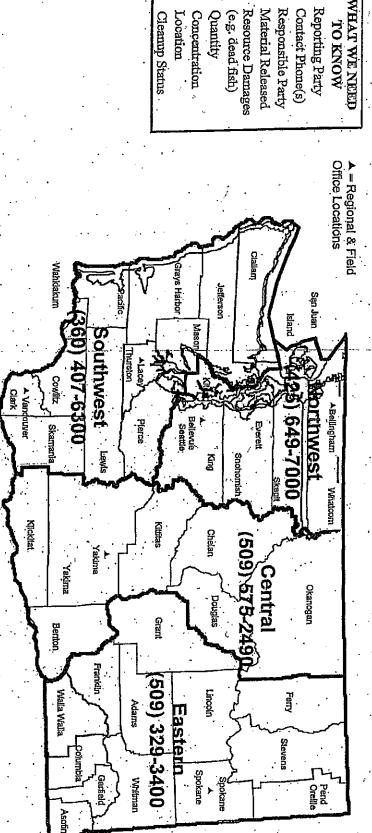
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Idaho: Communications Center (208) 327-7442 BC: Provincial Emergency Program (800) 663-3456 Or call the Department of Emergency Management 24-hour Number: 1-800-258-5990 For EPA and US Coast Guard reporting, call the National Response Center: 1-800-424-8802. Wahkiaku Grays Harbor 360) 407-6300 Southwest ▲ Vanc Plerce Skamania Lewis Oregon: Emergency Management (503) 378-6377 Nicklat Kittitas EPA Region X, Seattle: (206) 553-1263 Yakima . Yakima Grant Benton Franklin Walia Walia Adams Columbs

Washington State Department of Ecology Regional Office 24-Hour Oil Spill/Release Reporting Numbers ERO ORE KEY: CRO: Central Region SWRO. SWRO CRO SWRO NWRO NWRO Fife Scattle Everett Spokane Port Angeles Roosevelt Tacoma Petroleum Reclaiming Services Roosevelt Regional Landfill **Rinker** Materials Kemtech, Inc. Fields Shotwell Corp. Fife Sand & Gravel _eforge Cement ERO: Eastern Region. NWRO: Northwest Region 1-800-275-5641 (253) 922-7710 (360):457-1417 (253)383-4175 (206) 937-8025 (425) 355-211 (509) 624-0210 Disposal Only Thermal Desorption **Bio-Remediation** Stabilization/Disposal Soil Remediation Cement Incorporation Thermal Treatment/Recycling SWRO: Southwest Region SWRO Disposal (503) 640-9427

The Following is a List of Regional Treatment Centers for Petroleum Contaminated Soil:



Hillsboro, OR Hillsboro Landfill

Reporting Party

Responsible Party

(e.g. dead fish)

The News Tribune - Puyallup; "wo arsons being investigated at former "oneer Museum ... Page 1 of 1

620837



NEWS UPDATES

< Back to Regular Story Page

Puyallup: Two arsons being investigated at former Pioneer Museum

JOYCE CHEN, STAFF WRITER Last updated: July 8th, 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, cali Central Pierce Fire & Rescue at 253-538-6402 or Puyallup police 24-hour tip line at 253-770-3343.



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(2083)



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).

<u>**On-site containers**</u>: 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

Grace Ardell Greeley July 7, 2010 Page 2

cleanup standards. Failure to properly address this situation could lead to the property being listed on the state's contaminated site list.

<u>Please respond within seven calendar days</u> 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, jon

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 THIS SECTION ON DELIVERY
 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 mallplece, or on the front if space permits 	A. Signature Agent Agent Addressee B. Received by (<i>Printed Name</i>) Coate of Delivery
GRACE ARDELL GREELEY 25518 133RD AVE NE ARLINGTON WA 98225	delivery address below:
	Certified Mail Express Mail
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2. Article Number (Transfer from service label) 7005 143	LO 0002 4420 4073
PS Form 3811, February 2004 Domestic Rel	turn Receipt 102595-02-M-1540

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Nap Customer Service	Forms Gov't Services Careers Privacy Policy	Terms of Use	Business Customer Gateway
Nap Customer Service	Eorms Gov't Services Careers Privacy Policy a Reserved. No FEAR Act EEO Data FOIA Image: Constant of the service in the s	Terms of Use that to perclared that makes that have	Business Customer Gateway
Nap Customer Service	Eorms Gov't Services Careers Privacy Policy a Reserved. No FEAR Act EEO Data FOIA FOIA U.S. Postal Service m CERTIFIED MAILTM RECEIPT (Domestic Mail Only; No Insurance Coverage Privacy Information Visit our website at www.uspsite Postage For delivery information Visit our website at www.uspsite Certified Fee Postage 2.31 Postage 2.31 Return Receipt Fee (Endorsement Required) Restricted Delivery Fee Postage 2.31	Terms of Use	Business Customer Gateway
Nap Customer Service	Eorms Gov't Services Careers Privacy Policy a Reserved. No FEAR Act EEO Data FOIA FOIA U.S. Postal Service m CERTIFIED MAIL M RECEIPT (Domestic Mail Only; No Insurance Coverage Privacy Information Visit our website at www.uspsite Postage Certilied Fee 2.3 Postage 2.3 Postage 2.3 Postage Return Receipt Fee (Endorsement Required) Restricted Delivery Fee 2.3 Postage 2.3	Terms of Use	Business Customer Gateway

http://trkcnfrm1.smi.usps.com/PTSInternetWeb/InterLabelInquiry.do

Parcel Summary for 0420353027

Pierce County Assessor-Treasurer ePIP

07/01/2010 07:54 AM

620837

Property Detail	S		Taxpayer Details	· · · · · · · · · · · · · · · · · · ·
Parcel Number:	0420353027 PLACE		Taxpayer Name:	GREELEY GRACE ARDELL
Site Address:	2301 23RD ST SE		Mailing Address:	25518 133RD AVE NE
Account Type:	Real Property $^{\Lambda}$			ARLINGTON WA 98223-6829
Category:	Land and Improvement	S .		
Use Code:	8300-CU FARM & AGRI USE	RCW 84.34 CURRENT		
Appraisal Detai	ls .		Tax/Assessment	
Value Area:	P15		Current Tax Year:	2011
Appr Acct Type:	Residential		Taxable Value:	89,590
Business Name:			Assessed Value:	405,000
Last Inspection:	03/02/2006 - Physica	I Inspection		
Related Parcels	• • • • • • • • • • • • • • • • • • •		· · · · · · · · · · · · · · · · · · ·	
Group Account Nu	mber:	<u>36250</u>		
Mobile/MFG Home parcel(s) located o	and Personal Property on this parcel:	n/a		
Real parcel on whi	ch this parcel is located:	n/a		
Tax Description		······································		
ALG S LI SD SW 1 DEG 33 MIN 32 SE DEG 48 MIN 44 SE	974.60 FT TH N 01 DEG C W 44.88 FT TH N 15 I C W 226.43 FT TH N 27	06 MIN 54 SEC W 615. EG 12 MIN 37 SEC W DEG 29 MIN 55 SEC W	92 FT TO POB TH N 8 219.64 FT TH N 88 DE / 143.38 FT TH S 88 E	ESC AS FOLL COM AT SW COR OF SW TH E 7 DEG 01 MIN 41 SEC W 292.30 FT TH N 61 EG 57 MIN 28 SEC W 243.13 FT TH N 00 DEG 56 MIN 26 SEC E 145.92 FT TH N 28 E 1/20 CE SW TH 28 DEC 23 MIN 05 SEC E

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

07/01/2010 08:01 AM

Pierce County Assessor-Treasurer ePIP

Taxes / Values for 0420353027

Penalty Total 2010

Principal

2009 Property Tax Principal

Property Tax Interest

Property Tax Penalty

Weed Control Principal

Weed Control Interest

Pierce Conservation District

Prope	erty Details	5				Taxpayer	Detail	5				
Parcel Number:0420353027Site Address:2301 23RD ST 5Account Type:Real Property			27		Taxpayer Name: GREELEY GRACE ARDELL							
			ST SE		Mailing Ac				l8 133RD AVE NE NGTON WA 98223-6829			
			rty		-							
Categ	ory:	Land and I	mprove	ements								
Use C	ode:	8300-CU F/ USE	ARM &	AGRI RCW 84	1.34 CURRENT	•						
Asses	ssed Value	s										
Tax Year	Taxable Value	Assess Total	ed	Assessed Land	Assessed	Currei nents Land	nt Use	Person Prope			ce of Valu ng Date	ie
2011			05,000		•	9,700	19,890	riopa	•		1/2010	
2010	•		63,000			1,800	19,890				7/2009	
2009	115,		41,900	•		6,200	39,780				9/2009	
2008	119,		45,900	•		0,200	39,780			•	3/2007	
2007	122,		81,100	-		2,400	39,780				9/2006	
2006	120,		03,800			0,300	39,780			•	7/2005	
2005	117,	280 2	56,300	178,8		7,500	39,780				2/2004	
	ent Charges										_	
	-		maltura	haraac ara a	lculated on t		Recald		Exem			
					aculated on the 1st to avoid				No ex	emptio	ns	
charge	es. If the last	day of the i	month	falls on a holi	day or weeke	nd, you will h	ave the		<u></u>			
				nark without Jes for a futu	additional inte re date	erest and/or p	penalty.	It	Tax C	ode A	reas	
	<u>vith credit c</u>	ayment Mailing Address			Tax Year	тса	Rate					
-					as of 07/01/2010		2011	096	0.000	000		
	nce Due: 4,	190.32		inimum Due			J//U1//	2010	2010	096	11.25	
Tax Year	Charge Typ	е		Amount Charged	Minimum Due	Balance Due	Due Da	te	2009	090	10.17	
	Property Tax			1,032.02				30/10	2008	090	10.45	
	Property Tax			30.96		,	-	01/10	2007	090	11.27	7173
	Property Tax			30.96	30.96		-)1/10	2006	<u>090</u>	· 13.01	9260
	Weed Contro	ol Principal		2.11	1.05	2.11	04/3	30/10	2005	<u>090</u>	14.41	7815
	Weed Contro	Interest		0.06	0.06	0.06	07/0	01/10	*• • • • • • • • • •			
	Fire Benefit	Charge Princ	cipal	429.62	214.81	429.62	04/3	30/10	Recei	pts		
	Fire Benefit	Charge Inter	rest	12.89	12.89	12,89	07/0	01/10				Amount
	Fire Benefit	-	alty	12.89	12.89	12.89		01/10	Date		Number	Applied
	Pierce Conse Principal	Charge Pena						20110		12000	4512422	
		-	rict	5.00	2.50	5.00	04/:	30/10	01/02	•		4,083.80 3,807.94
	Pierce Conse Interest	ervation Dist		5.00 0.15				30/10 01/10	10/24 05/23	/2005 /2005	<u>4513435</u> 2655864 2502836 2137016	4,083.80 3,807.94 2,023.12 2,220.80

1,556.81

1,179.97

176.99

129,80

2.11

0.32

5.00

07/01/10

04/30/09

07/01/10

04/30/09

822.43

176.99

129.80

2.11

0.32

5.00

1,179.97

04/30/09 ULID Information 07/01/10 Click here for ULID information

03/31/2004 1690424

Interest 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

http://epip.co.pierce.wa.us/cfapps/atr/ePIP/taxvalue.cfm?parcel=0420353027

1,556.81

1,179.97

176.99

129.80

2.11

0.32

5.00

2,670.93

Total 2008	1,738.05	1,738.05	1,738.05	
Pierce Conservation District Penalty	0.55	0.55	0.55	07/01/1
Pierce Conservation District Interest	1.35	1.35	1.35	07/01/3
Pierce Conservation District Principal	5.00	5.00	5.00	04/30/0
Property Tax Penalty	137.99	137.99	137.99	07/01/
Property Tax Interest	338.70	338.70	338.70	07/01/2

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	Annound Deid
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 Princip	al 5.00
Plerce Conservation District Intere	st 1.05
Pierce Conservation District Penalt	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 Princip	al 5.00
Pierce Conservation District Interes	st 1.65
Pierce Conservation District Penalt	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 Princip	al 5.00
Pierce Conservation District Intere	t 0.30
Pierce Conservation District Penalt	0.15
Total 2005	1,848.54

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Pierce County Assessor-Treasurer ePIP

Land Characteristics for 0420353027

07/01/2010 08:02 AM

Property Detail	S	Taxpayer Detail	S
Parcel Number:	0420353027	Taxpayer Name:	GREELEY GRACE ARDELL
Site Address:	2301 23RD ST SE	Mailing Address:	25518 133RD AVE NE
Account Type:	Real Property	0.54	ARLINGTON WA 98223-6829
Category:	Land and Improvements	×.	8
Use Code:	8300-CU FARM & AGRI RCW 84.34 CURRENT USE	0	
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

Property Details

Pierce County Assessor-Treasurer ePIP

Building Characteristics for 0420353027

Property De	calls					lax	payer Deta	alls				
Parcel Numbe	er: 04	120353027				Tax	payer Name	e: GRI	ELEY GRAC	E ARDE	LL	
Site Address:	23	301 23RD ST SE				Mai	Mailing Address:		25518 133RD AVE NE			
Account Type: Real Property		eal Property						ARL	ARLINGTON WA 98223-6829			
Category:	La	and and Improven	nents									
Use Code:		300-CU FARM & A SE	GRI RC	W 84.34	CURREN	NT				40		
Building ID: 1 2 3 4								-	5 b	uilding	ı(s) on	this parce
General Cha	racter	istics										
Property Typ	e:	Residential	5	SF:		912	2	Fir	1. Attic SF:		0	
Condition:		Extra Poor		Vet SF:		0		То	tal Bsmnt.	SF:	0	
Quality:		Low Plus		Atch. Gai	age SF	: 0		Fir	n. Bsmnt. S	SF:	0	
Neighborhoo	d:	090901 / 0	b.	Det. Gara	nge SF:	0		Bs	mnt. Gar.	Door:	0	
Occupancy:		Single Family Residential		Carport S	SF:	0		Fi	eplaces:		1	
Built-As												ina ana ang ang ang ang ang ang ang ang a
Description	Year Built	Adj. Year Built	SF	Stories	Bed- rooms	Bath- rooms	Exterior	Class	Roof	HVAG	Units	Sprinkler SF
1 Story	1924	1950	912	1	1	1	Frame Siding	n/a	Built Up Rock	Electr	ic 1	0
Improvemer	nt Det	ails						•				
Detail Type			D	etail Des	criptio	n					Units	
Porch			M	etal Roof							790	
Porch			0	pen Slab							1,150	

Taxpaver Details

Warning: Appraisal data provided is for informational purposes only and is incomplete for determination of value.

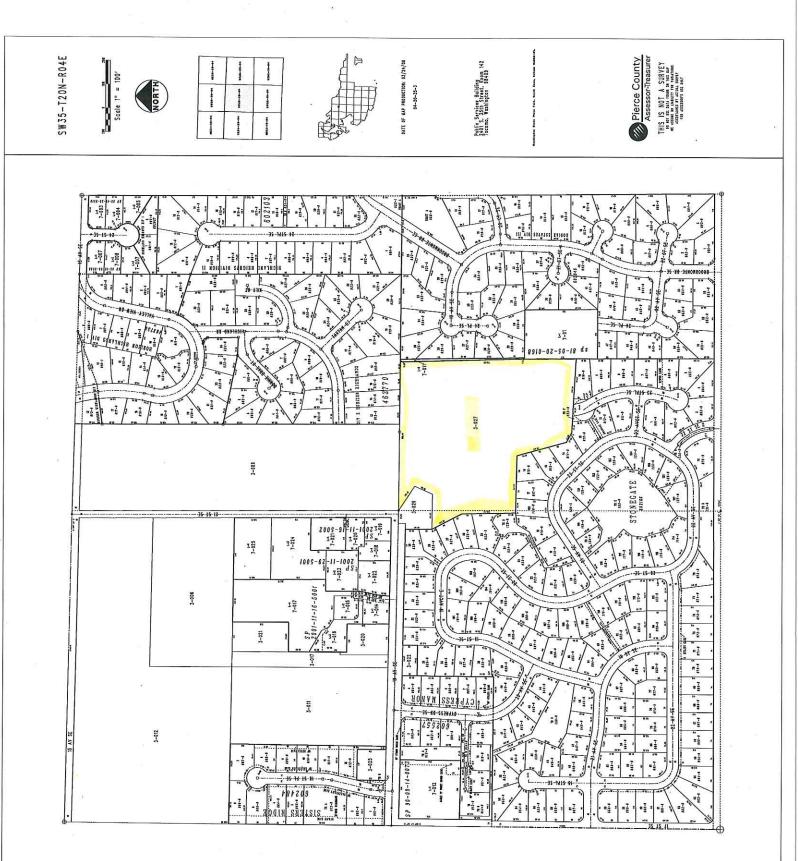
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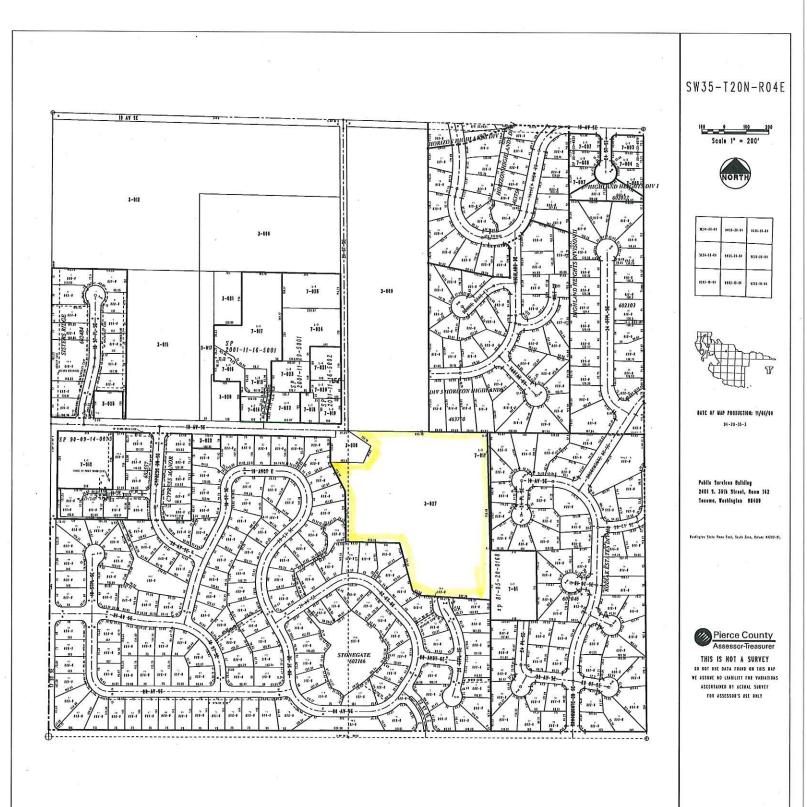
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07/01/2010 08:03 AM





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Pierce County Assessor-Treasurer ePIP

Parcel Summary for 0420353026

07/01/2010 07:55 AM

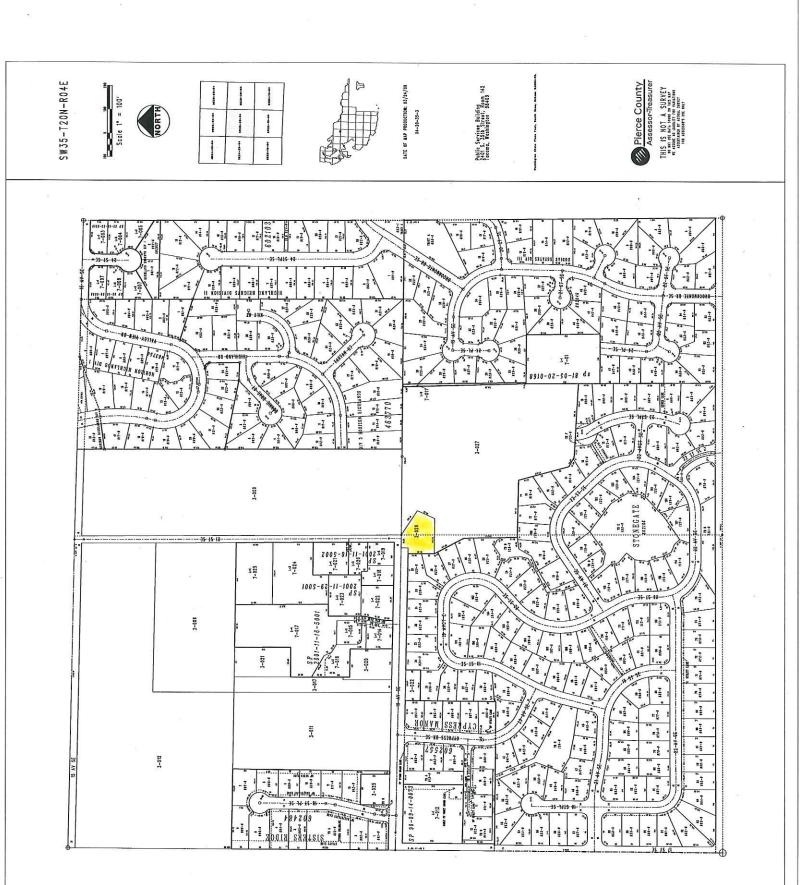
Property Detail	s		Taxpayer Details	
Parcel Number:	0420353026		Taxpayer Name:	OTTINGER SHARON A
Site Address:	2100 19TH AV E		Mailing Address:	25518 133RD AVE NE
Account Type:	Real Property		0.00	ARLINGTON WA 98223-6829
Category:	Land and Improvemen	its		
Use Code:	1101-SINGLE FAMILY	DWELLING		
Appraisal Detai	ls		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			Activity server the approximate the server of the server o
Related Parcels	•			1
Group Account Nu	mber:	n/a		
Mobile/MFG Home parcel(s) located o	and Personal Property on this parcel:	n/a		
Real parcel on whi	ch this parcel is located	: n/a		
Tax Description				
ALG W LI SD SW 1 DEG 21 MIN 11 SE	1387.82 FT TO NW COR EC E 132.18 FT TH S 28	OF SW OF SW T DEG 41 MIN 48	H E ALG N LI SD SUBD 1260 SEC W 80.82 FT TH N 88 DE	ESC AS FOLL COM AT SW COR OF SW TH N 0.60 FT TO POB TH CONT E 81.25 FT TH S 51 IG 56 MIN 26 SEC W 145.92 FT TH N 151.64 Y AFN 1212399 SEG F 7515 DC5/29/96JU

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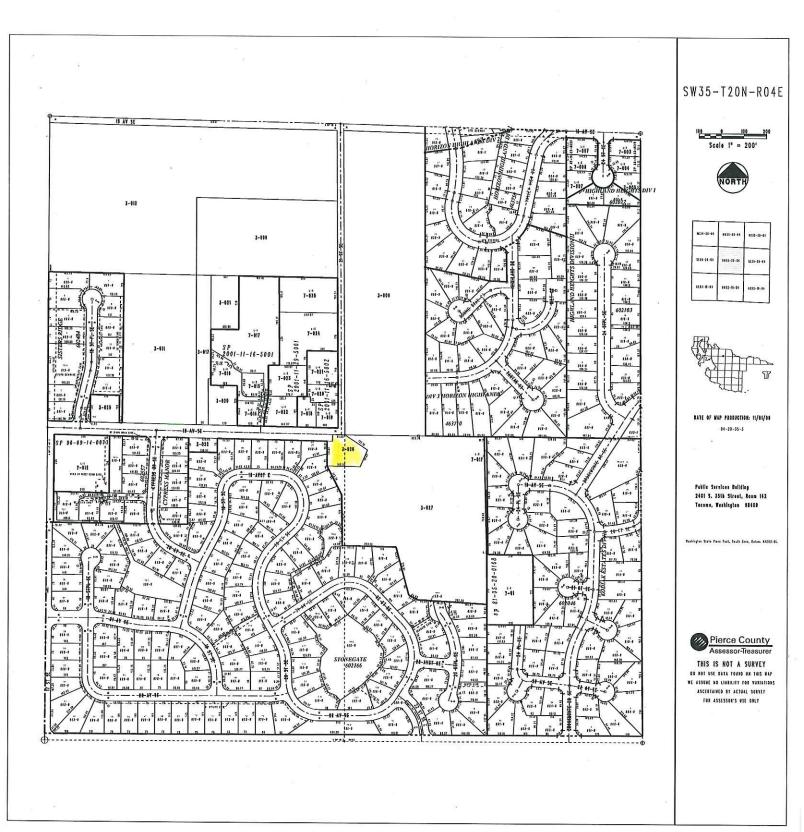
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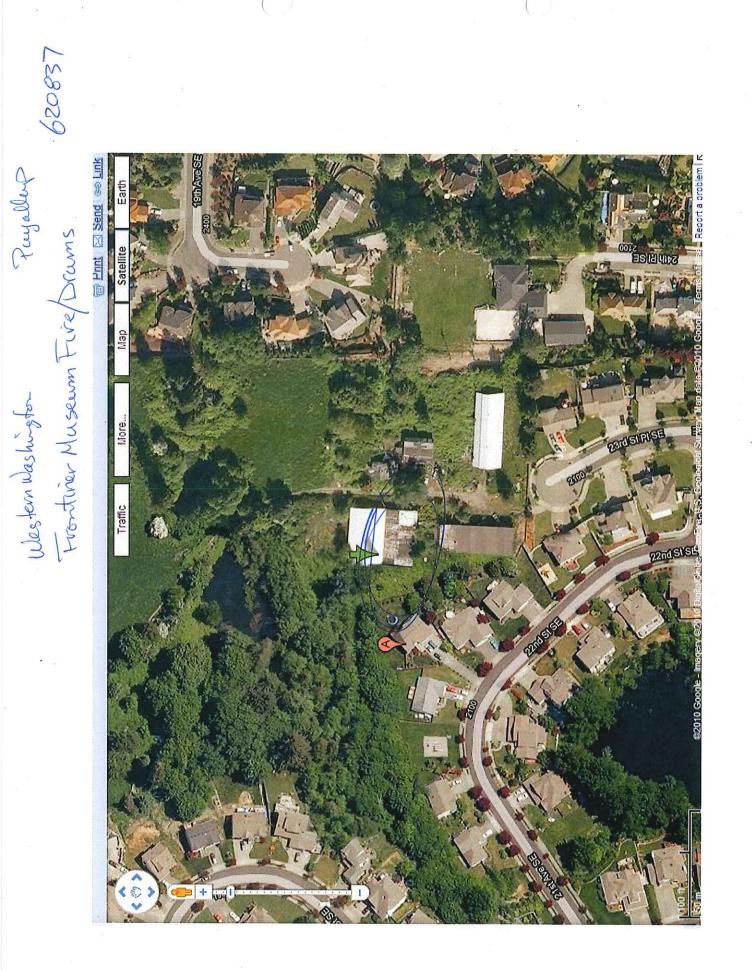
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Citte central Piercetine org

(360) 435-4669

Leo Ledbetter 11903 217th PI NE, Arlington, WA 98223(360) 435-4669

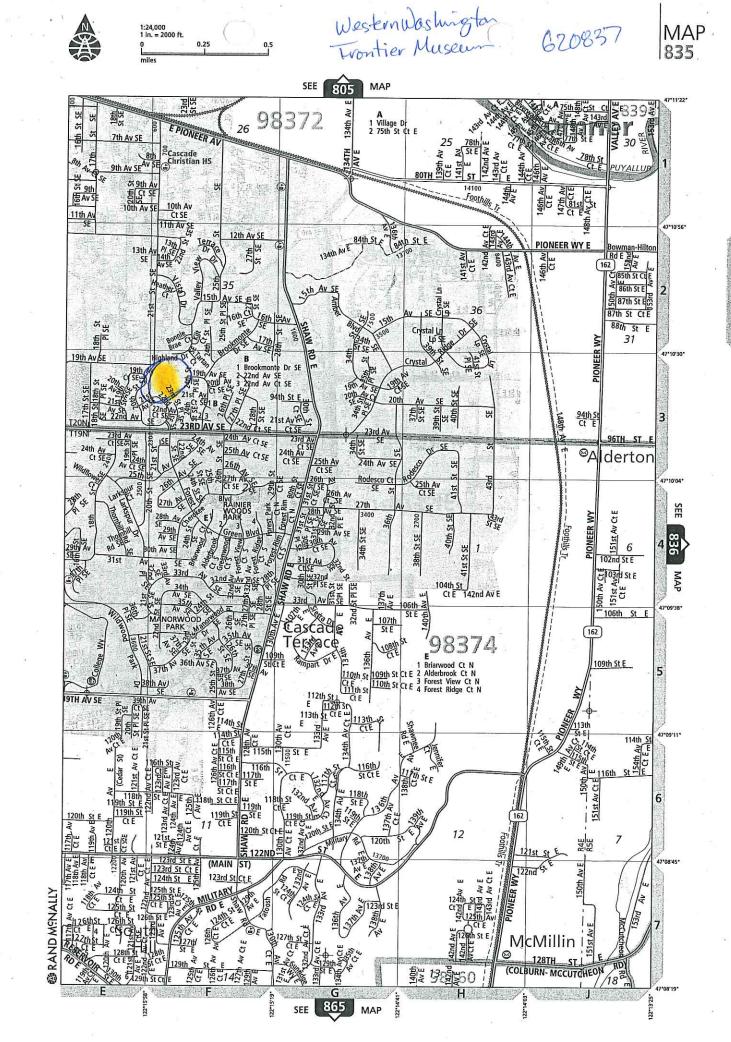
Shavon Janner, Daughter inherited is years ago. (360) 435-6469 Drums moved to Bidg. - Dather had grave pit - Treated fence posts -7/13/10 gum. No answer 7/9/10 - 0910 busy - 0920 no answer - 10 20 answer

8/20/10 1410 Sharon Tanner (360)435-6469 Cunic group & concast. net - Joshtha Gunia (253) 579-6769) 848-4306 (fax) (253) 273-46122 Jeremay Gunger Brother

1420

-No progress - lety of Puyallyp

SITE ADDRESS: 216, -23rd St. Place SE . Reyallup, WA 98372 Drums 47.172113 122.265218 620837 47. 17137 street Cousty that IF 122,26510 0420353027 South 8.99 ACE Grace cyde 11 Greeley Puyally iTE 23 STASE 2301 > 2100-19th Are. E. / Puyallup 0420353026 25518 133rd AR AZ shavon A. Ottinger 94225 ARUNTEN WA D.52 Aeres Ottinger AE (OTIGER (TANNER) SHARON llep Recept 25518 13350 AND NE 28225 ARLWHERN was CPFZR Fire Marshall 253-380-7359 LIFF Ciottea central pièrce fire. org Lotte RE: STONEGATE FIRE UNABLE TO CONTACT -PAST OLINER SHARRON A TANNER Noanswering machuie 360 - 435 - 6469 2104 23 rd ST SE NOT A GOOD ADDRESS lee country P.D INVESTIGATOR : SUE BOUZAR MIKE Kavalcki 973-0066 841 - 5521



AH A

PIERCE CO.

The News Tribune - Puyallup building ruined in suspected arson (print)

Page 1 of 1



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.

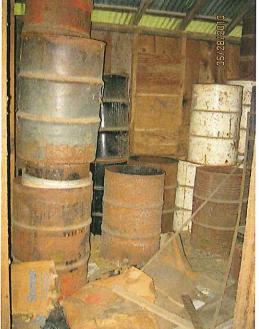
Joyce Chen, staff writer



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670837 19 Pioneer 6/23 se. PFZR 1000 Hei Horney & Fire Marshall Cotyattorne - OID barn RHIDS * All Metal drums ? Fiber Drans MT Product build Barned 18 (990 mar) 55-ga SIMT 22 (45 mar) 33 30-gal Mt. .15. 5-ga Miscl. 3 (15 max) 山 L 1 may 32.0fol 1,051 5 mas 2 55-gal 15/30gal) 5-gal 1-15 16 - 17 18-20 small/paint A-.0 Covered Drums offisite 1055 •

· · · · · · · · · · · · · · · · · · ·	(· · · · · · · · · · · · · · · · · · ·		(1
1. Incident Na		2. Operational Pe		e/Time) 6/2	8/10	INDIVIDUAL LOG
Frontie	Museum Drums	S From:	To:			ICS 214a-OS
3. Individual	Name Acomb	4. ICS Section		5. Assignment/L	ocation	620837
6. Activity Lo					Page	of
Time	(253) 538-	6571	Major Ev	vents		
0807	Greg Gullie	t/Central			Stat.72	
	·12-15 55-gal	lon druns	y cer [5th & shaw
	6-8 Druns	in ched			bete	om 37th to
	6-8 Druns	in shed				on Shaw Rd.
	Old Frontier				Lett	or shall kel.
		Muslim				·····
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	•	······································				
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	·					
7. Prepared b	y:	Date	/Time			
INDIVIDUA	L LOG			• ···· · ·		ICS 214a-OS
	-					

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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.**

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 :							

	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.

Notif	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						

Gø/N	Go/No Go: See Response Operations Manual, Chapter 4, Section B2							
Critei	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 vesselUNLESS 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/N	Go/No Go discussed with:							
Duty	Partne	er: Regional Supervisor:						
Othe	r:							

Decision: (check one)	🗌 Go	🗌 No Go	Referral to:

Over for notes @

Spill Response Ch(dist for Incident Notifications & J/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.

Significant	Incident Threshold: Consider the	nual, Chapter 3, Section B, Procedures actual or potential release or impacts, in con ns. If you have any doubt or question about n	and a second on the second second and a second s					
regional supervisor.								
Notification Received: Caller Information: Responder Name:								
Time: టర	155	Name: Tacoma Tire L+ Sleally	Name: BROOKS					
Date:	6-27-10	Responsible Party:	ERTS #: $\sqrt{2000}$					
Water bod	//Location:		eccost					
Yes No	Contact your Regional Supervis	or if any item is checked YES.						
	Actual or potential threat to pu	blic health, safety, or the environment regard	less of the location of the threat or					
	proximity to Washington water							
	Potential for escalation and/or	enforcement actions.	·					
	Complexity of circumstances.							
	Importance to stakeholders.	· · · · · · · · · · · · · · · · · · ·						
	Actual or potential public or me	dia interest.						
	Potential prevention lessons to	be learned.	·····					
	"Red flags" such as company, v	essel or facility history.	· · · · · ·					
	On-going priority issues of the Spills Program.							
	Crude, bunker or any other blac	k oil product likely to be spilled to water in la	rge quantities.					
	Disabled commercial vessels du	e to an accidental or intentional grounding, fa	ilure of the propulsion or primary steering					
	systems, loss of tow or other in	cidents that affects the vessel's seaworthiness	s or fitness for service.					
	Rescue Tug deployments to the	above or any other vessel incidents.	· · ·					
Notificatio	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)
M	Regional Supervisor		
	Local DEM		

Go/N	lo Go:	See Response Operations Manual, Chapter 4, Section B2
Crite	ria: C	onsider 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.
X		Requested by local, state or federal officials.
	K	Significant environmental and/or public health impacts have occurred.
X		The potential for significant environmental and/or public health impacts exists.
		The spill incident has not been stabilized or controlled.
\Box	ΧΞ	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 vesselUNLESS 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.
	\square	The incident is or potentially newsworthy.

Go/No Go disc	ussed with:		이 가지 않는 것은 것을 잘 하는 것 같은 것을 다 같은 것을 다 가지 않는 것 같은 것을 가지 않는 것을 것 같이 가지 않는 것을 것 같이 가지 않는 것을 것 같이 하는 것 같이 있다. 것은 것	
Duty Partner:	Ron Holcomb	Regional Supervisor:	Jin Sachit	· · · ·
Other:	,			
Decision: (check	one) 🔲 Go 🗌 No Go			

Over for notes 🦉

1.

1. incident Name	2. Operational Pe From:	riod (Date/Time) To:		INDIVIDUAL LOG ICS 214a-OS
3. Individual Name	4. ICS Section	5. Assignment/Loca	tion	· · · · · · · · · · · · · · · · · · ·
6. Activity Log			Page	of
Time		Major Events		
possi Den the)			·
building possil Residential - Drum are day 06:09 p Rontl 06:13 Briefed F 06:17 p Jim Such 06:24 Brief Jim- new to fond	ne response ili abandoni requesting E more stru con- call J) un-impact d museum cology assess etvox - Can	king Ead g stora and usai	na generation tornert tornert -no leaking
06:27 1 briefed usould handle	Fire this during	regular busin		hours
6231 I updated gave co	Ron Holcon Nact juto	mb for Greg Gill	List	
			·	
7. Prepared by:	Date	/Time 6-27-10	DG	0151
INDIVIDUALLOG	· · · · · · · · · · · · · · · · · · ·		ICS	214a-OS

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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



STATE OF WASHINGTON DEPARTMENT OF ECOLOGY

PO Box 47775 • Olympia, Washington 98504-7775 • (360) 407-6300 CEIVED

DEC 1 2 2011

Tacoma-Pierce County Health Dept.

vecpio

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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. Former Pioneer Museum December 7, 2011 Page 2 of 2

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,

eacros

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

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Environmental Health Program Initial Investigations

520837

Incident Date: 11/01/2010 6.27.10 ERTS #: 620837 RO# 0003684 **Received Date: 11/01/2010** 1st Site Visit Date: 11/16/18 Assigned to: plon, 11.2.10 **Closure Date:** Pioneer Maseim Listing on SIS **Disposition:** Site Hazard Assessment NFA guncagroup@convest. net **Site Information** Site Contact: Joshua Gunia, gra Site Name: Pioneer Museum of of 2301 23rd 45E Se Pupelen Site Address: 1900 blk 22nd Place **Phone:** 253/579-6769 ourer Type of Operation: -Barn FARM / museum Parcel #: N/A 012635 3027 λ= 47°10'19.6"N \$= 122°15'54.8"2 Lat/Long: RTSQQ: 04-20-35-3-4 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 moon, 3/29 (Tues) to meet Joshua at pite - grow photos + Soil Sample. Services, Inc. 253-435-9999 JOSHUA GUNIA c 253-579-6769 guniagroup@comcast.net 1 253-848-4306 www.aadvancedservices.com

ERTS # 620837

Initial Rep	ort			External I	Reference #	000	26 \$	20	
Caller Informa	tion			Where did it happe	$_{\rm en}$ ΛU	000	368		
	First	Last		Berth			Anchorage		
Name	Lt.	Neally		Location Name					
Busines Name	Tacoma Fire Depa	rtment		Street Address	1900 blk 22nd	d Place			
Street Address				Other Address					
Other Address				City/Place	PUYALLUP		State WA	Zip	
City E-mail		State WA	Zip Confidential_FL	County - Region WIRA #	PIERCE		SWRO	FS ID	
Phone	e Ext	Туре		Waterway			Ту	ре	
	591-5733	Busines		Latitude	47.	172051	Longitude		122.26551
(200)	391-3733	Dusines	5	Topo Quad 1:24:000	PUYALLUP				
What happene	ed	Spills Pro	gram Oil Spill? N	Direction/Landmark (m 200 feet by 200 feet r	-				
Incident Date	6/27/2010 Re	eceived Date	6/27/2010 5:55						
Medium	BUILDING/STRU	CTURE							
Material	UNKNOWN			Primary Potential	ly Responsi	ble Par	ty Informat	<u>ion</u>	
	Quantity	Unit		First	La	ast			
	15	DRUM		Name	Ur	nknown			
Source	UNKNOWN			Business Name					
Cause	UNKNOWN			Street Address					
Incident Type				Other Address					
Activity	UNKNOWN			City		S	State WA	Zíp	
	POTENTIAL POL	LUTION/RELEA	SE	Phone		Ext	Тур	e	
Vessel Name				E-mail					
Hull Num	ber								
Additional Cor	ntact Informatio	on							
Name		Phone	Ext	Туре					
, Greg		(253) 3	77-6854	Business					
More Informat									
Fire has disco	vered 15 drums of	unknown conter	ts and a scene of an	abandoned warehouse	fire.				
			Entry Pe	erson Baxter, Susan	<u></u>		Entry Dat	e 6/28/	2010

Department of Ecology - Environmental Report Tracking System

ERTS # 620837

Referral

					Referral #	134886
Referral Method	Person Referred to	BROOKS, NANNETTE			Primary	
○ E-mail ERTS number	Phone	(360) 407-6242	Fax (36	0) 407-6305		
 E-mail attachment 	E-mail	nbro461@ecy.wa.gov				
	Program/Organization	SPILLS, PREVENTION,	PREPAR	REDNESS AND RESPO	NSE	
Telephone	Address	PO BOX 47775				
	City	OLYMPIA	WA	98504-		
	Region/Location	SWRO				
	Referral Date	6/27/2010				
					Referral #	138717
Referral Method	Person Referred to	BELL, SHARON			Primary	
C E-mail ERTS number	Phone	(253) 798-2891	Fax			
 E-mail attachment 	E-mail	erts@tpchd.org				
O Print	Program/Organization	TOXICS CLEANUP				
○ Telephone	Address	TPCHD				
	City	TACOMA	WA			
	Region/Location	swro				
	Referral Date	11/1/2010				

ERTS # 620837

Followup

× 1

Increator Information	Where did it happon	Followup #1
Inspector Information Referral # 134886	Where did it happen	
Lead Inspector BROOKS, NANNETTE	Berth Anchor	age
Program/Organization SPILLS, PREVENTION, PREPAR	EDNESS Street Address 1900 blk 22nd Place	
AND RESPONSE	Other Address	
* Region/Location SWRO	City/Place PUYALLUP State W	/A Zip
# of Ecology Staff 2 Overtime	County PIERCE Region SWR0	D FS ID
TELEPHONE - TECHNICAL ASSISTANCE 6/27/24	Waterway	уре
What happened Spills Program Oil	•	ude 122.26551
Incident Date 6/27/2010	Topo Quad 1:24,000 PUYALLUP	ourobia konzo)
<u>Medium</u> BUILDING/STRUCTURE	Direction/Landmark (mile post, cross roads, t	ownsnip/range)
Material		
UNKNOWN		
Quantity Unit Est		
15 DRUM	Potentially Responsible Party Inform Check if the primary PRP provided	
Source Regulated?	Check if the philling FRF provided	
<u>Cause</u> UNKNOWN		
Incident Type		
Activity		
UNKNOWN		
Impact		
POTENTIAL POLLUTION/RELEASE		
Vessel		
Narrative		
at the location and discovered the drums in an unal various states of fullness-some of the 55 gallon dru	Greg from Engine Company 72, on scene. He told me that Eng ffected part of the building. The drums are not compromised a ms are full and some are closer to empty. When Fire leaves th rtment. The area is residential. Ecology assistance requested	t this time. They are in ne scene, they will not be
	ed I should contact Regional Supervisor Jim Sachet at 06:17 h	
	this response will be conducted during regular business hours	
l briefed Fire at 06:27.		
I updated Ron Holcomb at 06:31.		
	Entry Person: Baxter, Susan	Entry Date 6/28/2010
Inspector Information	Where did it happen	Followup #2
Referral # 134886	Berth Anchor	age
Lead Inspector HOLCOMB, RON	Location Name	
Program/Organization SPILLS, PREVENTION, PREPAF AND RESPONSE	REDNESS Street Address 1900 blk 22nd Place Other Address	
* Region/Location SWRO	City/Place PUYALLUP State V	VA Zip
# of Ecology Staff 2 Overtime	CityPlace PUTALLOF State V	•
Action Start	Date End Date	
FIELD RESPONSE - INVESTIGATION 6/28/2	2010 6/28/2010 WRIA #	Туре
Monday, November 01, 2010 *** The Initial	report contains only information provided to Ecology from the	Page 3

complainant.

Department of Ecology - Environmental Report Tracking System

ERTS # 620837

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at happened	6/07/0040	•	Program Oil Sp	oill? Y	Latitude Topo Quad	e 47.1721 1:24,000 PUYAL	0	tude 122.265218	5
Incident Date dium	6/27/2010				•	dmark (mile post,		township/range)	
ind					Direction/Lan	unan (nine poor,	0000100000,	to this apricing of	
Iterial									
ily Water Mixture			Sheen C	Only					
uantity To Water	•		NRDA	Est	Potentially F	Responsible I	Party Infor	mation	
051 0 0	0	1051						I notice to Ecology	
	ated?				Primary 🖌	First		Last	
eaking Drum or Contai Type Private Prope			Primory 🗔			Sharon	Tanner		
	Bity		Primary 🖌		Business Name	05540 400-4-	N		
<u>iuse</u> ther - External Conditio	ons					25518 - 133rde /	AVE, INE		
Type External Con			Primary 🖌		Other Address City	ARLINGTON	State WA	Zip 98225-	
cident Type			· [•	(360) 435-6469	Ext	Type Home	
il Spill					E-mail	1000/ 700/0408	LAL	rype riome	
tivity						- in - t		Last	
ther					Primary Name	First Joshua	Gunia	Last	
<u>pact</u>					Business Name	5001100	Curliu		
OIL CONTAMINATION	N					15714 44th Aver	nue Ct. E.		
<u>3301</u>					Other Address				
						ТАСОМА	State WA	Zip 98446-	
					Phone	(253) 579-6769	Ext	Type Mobile	
					E-mail	guniagroup@coi	ncast net		
Central Pierce Fire	& Rescue	regarding	a number of a	bandone	d drums discovered	d while dealing wi	th a fire at the	nformation provided by	'n
On 6/27/10 I (Ron H Central Pierce Fire Pioneer Museum in whether we should	& Rescue Puyallup. assess the	regarding I advised situation	a number of a Nannette to c today. Nanne	bandone heck with tte callec	d drums discovered SWRO Regional S I back and said Jim	d while dealing wi Spill Response Ur wanted to hold o	th a fire at the hit Supervisor ff until Monda	e old Western Washingto Jim Sachet to determine ay (6/28/10).	n }
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ERTS # 620837

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:

Department of Ecology - Environmental Report Tracking System

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



INITIAL INVESTIGATION FIELD REPORT

ERTS Number: <u>620837</u> **Parcel #:** <u>0420353027</u> **COUNTY:** <u>PIERCE</u>

SITE INFORMATION

Site Name (e.g., Co. name over door): Pioneer Museum	Site Address (including City and Zip+4): 2301 23 rd 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 240 th 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 I	Inspection Time:	10 am	Entry Notic	e: Annou	nced 🛛	Unannounced
Photographs	Yes	No No		Weather:	Clear 🛛	Rain 🗌	Temperature: ~50 ° F
Samples	Yes	No No		Wind Direc	tion:	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	\square
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

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.

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		26			
	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	

S1 results for pesticides and herbicides; measurement units are mg/kg

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 lindand	e and o	ther ag	ricultu	ral che	micals	is war	ranted.	Note	EDB	was no	ot teste	d for.				
The TPCHD recommends	listing	this pr	operty	as cor	itamina	ated.										
Description of past practice	es likely	to be r	espons	ible for	· contai	ninatio	n:									
Overflowing drums, leakin								ucts in	drums.							
ACTIVITIES OR PRAC	TICES	RESP	ONSI	BLE F	OR CO	ONTA	MINA	TION:								
Spill	LUST															
Pesticide disposal Landfill				Tank Improper handling												
Drums				Improper disposal												
Other – Describe:	Other – Describe:															
Are discharges permitted (if yes, c	lescribe	e): N	lo 🛛	Yes		Standa	rd Indu	strial C	ode(s)						
CONTAMINANT(S)	T															
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 compounds8 Phenolic compounds14 Radioactive wastes																
3 Metals - Priority pollutants			9 Non-halogenated solvents						15 Conventional contaminants, organic							
4 Metals - Other	4 Metals - Other			10 Dioxin16 Conventional contaminants, inorganic												
5 Polychlorinated biPheny	'ls (PCE	3s)	11 Polynuclear aromatic hydrocarbons (PAHs)													
6 Pesticides		12 Reactive wastes														

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SITE INFORMATION			
Soil type 13B Everett gravelly sandy loan and 20B, 20C Kitsap silt loam	Slope Level		
Site vegetation/cover present: Forest Image: Site vegetation/cover present: Bare soil Image: Site vegetation Brush Image: Site vegetation Landscaped Image: Site vegetation Other – Describe: Image: Site vegetation	Pasture/open field Wetlands Pavement Surface water		
Are there any drinking water systems affected? Municipal, private, or both? (Circle one)		Yes	🗌 No
How many people are estimated to be affected?			
Is there a potential for a release or threatened release to affect a drinking	g 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	Х	Х	X		
Surface Water	x	х	Х		
Drinking Water	х	Х	x		
Soil	х	х	X		
Sediment					
Air		x			
Targets possible: Human, adult Human, children		Residential Industrial Commercial			
Yes No If yes, This site overlies the Central F wetlands, parks and streams.	WARM Scoring Manual for defin describe: Pierce County Sole Source Aquife	er. A pond/wetland is present on the site	. Within two miles are multiple		
General Comments:					

Initial Investigation File Documentation

NOTE: 5/27/11- Prop. is in foreclo sure

Site Address:

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Pioneer Form Museum

II #: 620837

DATE	COMMENTS
	NOTE! Incident -> 6.27.10
	Referred to TPCHD > 11.2.10
11.16.10	Site visit. Wx = not paining, cloudy, ~ 50°F. Accessed
	Site visit. Wx = not varing, cloudy, ~ 50°F. Accessed via development of 23 ve St SE. (Stonegate Development) - All att. map.
	Ale att. map.
	Met à Joshua Cunia & walked site - cluster of drums unde
	tarps in derelice bldg - have burned, have tokere drums
	are stored has no voof the rafters still in place.
	Staining on ground around dreiners and in
	plochal other areas. Joshua, in response to
	my questions, said he didn't think any agric.
	admicals were ever used on groperty, Petrol.
	products + fince post preservative (1/kely penta?)
	are likely contents of drums, acc. to Toshera.
	Trying to see prop, have an interested bruger - told him they might do a Ph. It then, Gave him 90
	him they might do a Ph. It then, Gave him 90
	days to assess pite 15sues.
1.20.11	P/M for Joshua to contact me.
2.3.11	Novespouse - plat email
2.23.11	No response
	APPT TO REINSPECT: 3/24/11 @ ROON
	NOTE - I had to caused (family situation) to fly to RI - couldn't
	pin down a date à Jo sheen til fixally aqueed on 5/10/11,
	" E/o Joshua in attendance per p/c on 5/6/12 at 8:45 - gave
	pin down a date à Jo Shua til finally ac reed on 5/10/11, E/o Joshua in attendance per p/c on 5/6/17 at 8:45 - zeve verbae ok to access pite + to collect Samples.)

5/10/11 At site & Joya Segu Can no longer access aff cul-de-sac in development. Had to park off NW corner of site, at end of 19th Avest I walk in from that end. Coll. 3 soil Samps. / Jac packed + put ou see in Cooler. Si had odd odon - will new for ag. Chemicols.



Benzyne hyzekleide aled pechc 2,4-0-Forme in formulation. Z MCPA selective systemic hur in phenory family pluenory him - cule molener SIM to Priority Pollutant Metals 14 gamme her achlow eycloberaue (g-HCH), and evenerally frown as h hurth HCID **ANALYTES** 7 = Ferrenprop Thenoxy ace SVOCs MANC 4340 S. Tacoma Way, Enhanced Initial Investigation, Sampling Summary 2-medul what patheran CA DO VADA VOCs (eycloburgare nung, not bengue) Depth, ft BGS 0, 1071 0 MTCA Aurest Type) Table 2 -80 7 11 = (0,037) or 1200 1640 48,33 0+01-1 20×1 (1,60.0)= " SAMPLE INFORMATION MB / MB (3) 2,4-28-Media (W≐water) (S≍soil) +00+ Q, Dru 1 ACON 3. 5 = (0, 004) 0, 00 m 1 RAI LEV 0,016 ~ 0.019 11 = (0,011) PDb=15 36 000 000 36 1=90d Location July 14 = gdd 90t DC 5000 94 300 3 100 61 01 22 Mg/ Kg beta - BHC (Indane RA Hener Jay Develophen 2.4.5-TP (Silver) Denta chilomohius meeter xy chelor dichler prop Sample # Diwseb D' 124 8000° = 4 - D13 = 7bt an NCPA NCPP EDB Clarce 769 meg (Kg organo culonne operficides organo pirosph. and are 8151A 8081A aotes here.

SUOCS, metals < MTCA; PCBS = ND Ploueer organophosphones pesticides = ND gus, Marclatt (mun. Sp.), Tube oil, organochloine pesticides & chloinated herbecides 3 pour samples found metals, SVOCS, PCBS, RCRA metals hav for i days SI also run for 8081A, MOBA 8151A, and OP posts by 82700

HCID results detected

oil in all 3 and gos in 52

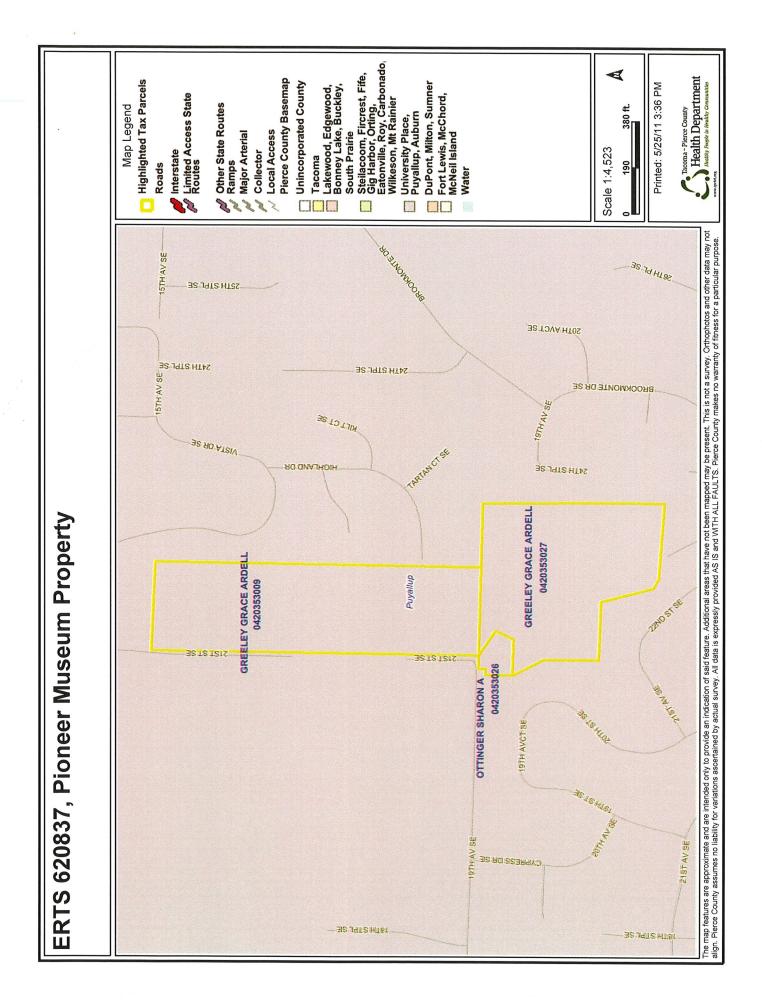
dy nu on all 3 gy nu on 52 (note, jai packed) flagge Z - Similar to min. spirits.

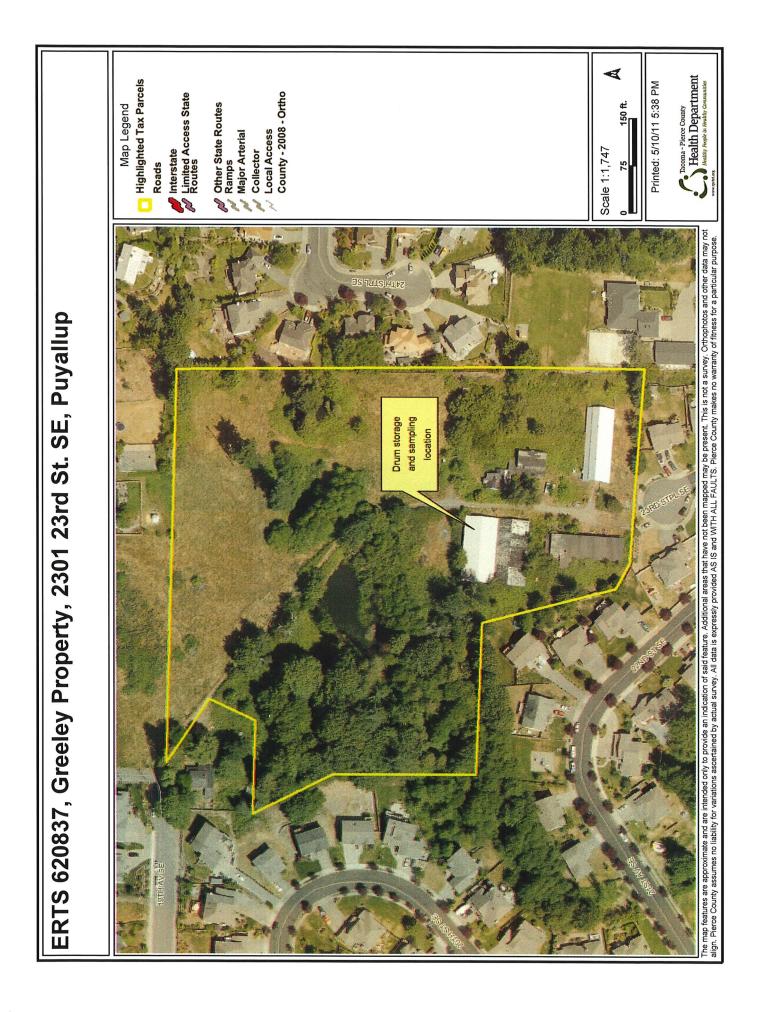
jarpurkea « 11 am 5/10/11 and and sample preped on 5/13 - past If he holding time. So results are est, mate only,

51 Inle oil 37,000 ppm pests + herles

Jule 011 = 3100 ppm 52 gas = 1900 ppm (= min. spirits)

53 lule oil = 25,000





Parcel Summary for 0420353027

05/24/2011 09:44 AM

Property Details	5		Taxpayer Details	3
Parcel Number: Site Address: Account Type: Category: Use Code:	0420353027 2301 23RD ST SE Real Property Land and Improvements 8300-CU FARM & AGRI RCW 84.34 CURRENT USE		Taxpayer Name: Mailing Address:	GREELEY GRACE ARDELL 11907 240TH ST NE ARLINGTON WA 98223-8593
Appraisal Detai Value Area:	Is PI5		Tax/Assessment Property in Forec	
Appr Acct Type: Business Name:	e: Residential		Current Tax Year: Taxable Value:	
Last Inspection:	03/02/2006 - Physica	I Inspection	Assessed Value:	405,000
Related Parcels				
Group Account Nu	mber:	<u>36250</u>		
Mobile/MFG Home parcel(s) located of	and Personal Property on this parcel:	n/a		
Real parcel on whi	ch 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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Land Characteristics for 0420353027

05/24/2011 09:44 AM

Property Detail	s	Taxpayer Detail	S
Parcel Number:	0420353027	Taxpayer Name:	GREELEY GRACE ARDELL
Site Address:	2301 23RD ST SE	Mailing Address:	11907 240TH ST NE
Account Type:	Real Property		ARLINGTON WA 98223-8593
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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Parcel Summary for 0420353009

05/24/2011 09:44 AM

Property Details	5		Taxpayer Details	6
Parcel Number: Site Address: Account Type: Category: Use Code:	2301 23RD AV SE		Taxpayer Name:GREELEY GRACE ARDELLMailing Address:11907 240TH ST NE ARLINGTON WA 98223-8593	
Appraisal Detail	s		Tax/Assessment	t
Value Area:	PI5		Property in Foreclosure	
Appr Acct Type:	Residential		Current Tax Year:	2011
Business Name:			Taxable Value:	1,805
Last Inspection:	02/23/2006 - Physica	I Inspection	Assessed Value:	351,600
Related Parcels				
Group Account Nu	mber:	n/a		
	and Personal Property	n/a		
Real parcel on whi	ch this parcel is located	: n/a		
Tax Description				

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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Land Characteristics for 0420353009

05/24/2011 09:45 AM

Property Detail	S	Taxpayer Detail	S
Parcel Number: Site Address: Account Type: Category: Use Code:	0420353009 2301 23RD AV SE Real Property Land and Improvements 8300-CU FARM & AGRI RCW 84.34 CURRENT USE	Taxpayer Name: Mailing Address:	GREELEY GRACE ARDELL 11907 240TH ST NE ARLINGTON WA 98223-8593
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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11/02/2010 04:36 PM Parcel Summary for 0420353027 **Property Details Taxpayer Details** address changed 5/24/11 - 825 Taxpayer Name: **GREELEY GRACE ARDELL** Parcel Number: 0420353027 Mailing Address: 25518 133RD AVE NE Site Address: 2301 23RD ST SE ARLINGTON WA 98223-6829 Account Type: **Real Property** Land and Improvements Category: 8300-CU FARM & AGRI RCW 84.34 Use Code: CURRENT USE **Appraisal Details** Tax/Assessment PI5 Current Tax Year: 2011 Value Area: Taxable Value: 89,590 Appr Acct Type: Residential Assessed Value: 405,000 **Business Name:** 03/02/2006 - Physical Inspection Last Inspection: **Related Parcels** 36250 Group Account Number: Mobile/MFG Home and Personal Property n/a parcel(s) located on this parcel: 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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11/02/2010 04:35 PM

Pierce County Assessor-Treasurer ePIP

Parcel Summary for 0420353009

Property Details			Taxpayer Details		
Parcel Number: Site Address: Account Type: Category: Use Code:	0420353009 2301 23RD AV SE Real Property Land and Improvement 8300-CU FARM & AGRI CURRENT USE		Mailing Address:	GREELEY GRACE ARDELL 25518 133RD AVE NE ARLINGTON WA 98223-6829	> chu in al 5/2
Appraisal Detai	S		Tax/Assessment		•
Value Area:	PI5		Current Tax Year:	2011	
Appr Acct Type:	Residential		Taxable Value:	1,805	1
Business Name:			Assessed Value:	351,600	
Last Inspection:	02/23/2006 - Physical	Inspection			
Related Parcels					
Group Account Nu	mber:	n/a			
Mobile/MFG Home parcel(s) located of	and Personal Property on this parcel:	n/a			
Real parcel on whi	ch this parcel is located:	n/a			

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Use Code:

Value Area:

Pierce County Assessor-Treasurer ePIP

Parcel Summary for 0420353026

Property Details	5	Taxpayer Details Taxpayer Name:
Parcel Number:	0420353026	Mailing Address:
Site Address:	2100 19TH AV E	Maining Addressi
Account Type:	Real Property	
Category:	Land and Improvements	
Use Code:	1101-SINGLE FAMILY DWELLING	

OTTINGER SHARON A 11907 240TH ST NE ARLINGTON WA 98223-8593

05/24/2011 09:45 AM

Tax/Assessment

Property in Foreclosure

Current Tax Year:	2011
Taxable Value:	177,200
Assessed Value:	177,200

Last Inspection: **Related Parcels**

Appraisal Details

Appr Acct Type:

Business Name:

n/a Group Account Number: Mobile/MFG Home and Personal Property n/a parcel(s) located on this parcel:

PI5

Residential

07/15/2004 - Board

Real parcel on which this parcel is located: n/a

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

I acknowledge and agree to the prohibitions listed in RCW 42.56.070(9) against releasing and/or using lists of individuals for commercial acknowledge and agree to the promotions nated in Rew 42.001070(3) against releasing and/or using inst or internation in this system, and shall purposes. Neither Pierce County nor the Assessor-Treasurer warrants the accuracy, reliability or timeliness of any information in this system, and shall purposes. Neither merce county nor the Assessor-measurer warrants the accuracy, reliability or timeliness or any information in this system, and s 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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Land Characteristics for 0420353026

05/24/2011 09:45 AM

Property Details Parcel Number: Site Address: Account Type: Category: Use Code:	0420353026 2100 19TH AV E Real Property Land and Improvements 1101-SINGLE FAMILY DWELLING	Taxpayer Details Taxpayer Name: Mailing Address:	OTTINGER SHARON A
Location: LEA: RTSQQ:	090901 04-20-35-32	Size SF: Acres: Front Ft:	22,528 0.52 0
Amenities WF Type: View Quality: Street Type:	n/a n/a Paved	Utilities Electric: Sewer: Water:	Power Installed Sewer/Septic Installed Water Installed

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SITE MAP/DIAGRAM

Site Name	ERTS 620837,	GREELEY PROFERTY (a Ka Pioneen Museum)	
		$ \begin{array}{c} $	
ve fe des	Photos care a reaction of u	undressed + shown on this drawing with consol location photo was taken from + eur,	(D)
	↑ orth	Approximate scale: inch = feet	
ERTS Nun	ıber	County PIERCE	
Inspector	S. Bul	Date 5/10/11	

SITE MAP/DIAGRAM

Site Name	ERTS 6208	BT, GREELEY	PROFERTY	(a Ka Pioneer Miniser	u an)	
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dis	costición o	f' views,	The second	to was taken from	× 4-	
	† orth		Approximate so	cale: inch = feet		
ERTS Nun	ıber		County PIERC	CE		
Inspector	S.B.	el.		Date 5/10	l v	



1. Burned house located near the NW corner of the site.



2. Storage building where drums are located.



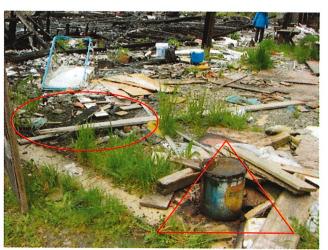
3. Inside the storage building, view towards the SW corner of the former building footprint.



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.



5 gallon container visible in doorway 5.



Leakage is visible around bottom of container, as well as a heavily stained area to the south (left)... 6.



Closeup of stained area south of drum, on the inside of the doors to the building.



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.



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.



17. General sample location of S1-00-051011 indicated by the 5 gallon bucket.



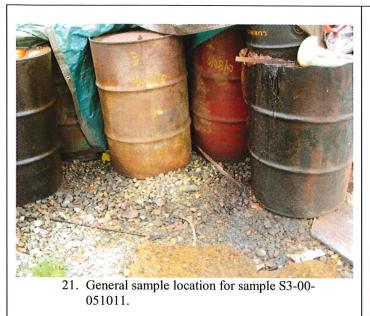
 Sample location of S2-00-051011, in the stained area adjacent to a leaking drum in the SE corner of the drum group. Note the material hardened on the side of the drum and emanating from a hole now plugged.



19. Photo depicts surface soil held together by sticky material at this location.



20. General sample location for S2-00-051011.





From: Sent: To: Subject: Sharon Bell Tuesday, November 02, 2010 4:57 PM 'guniagroup@comcast.net' 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

From:	Sharon Bell
Sent:	Thursday, November 04, 2010 10:27 AM
То:	'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" <<u>SBell@tpchd.org</u>> To: "<u>guniagroup@comcast.net</u>" <<u>guniagroup@comcast.net</u>> 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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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!"

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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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From:	Joshua Gunia [joshua@guniagroup.com]
Sent:	Thursday, April 07, 2011 7:56 AM
То:	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: <u>SBell@tpchd.org</u> To: <u>joshua@guniagroup.com</u> 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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From:Sharon BellSent:Tuesday, May 10, 2011 1:18 PMTo:'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

From:Sharon BellSent:Monday, April 11, 2011 11:18 AMTo:'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: <u>SBell@tpchd.org</u> To: <u>joshua@guniagroup.com</u> 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

This e-mail and any attachments may contain confidential and privileged information. It has been scanned for viruses. If you are not the intended recipient, please notify the sender immediately by return e-mail, delete this e-mail and destroy any copies.

From: Sent: To: Subject: Sharon Bell Monday, May 09, 2011 9:50 AM 'A Advanced Septic' 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

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 To:
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 Subject:
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Sharon Bell Tuesday, May 10, 2011 1:18 PM 'Joshua Gunia' 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

From: Sent: To: Subject: Attachments: David Baumeister [dbaumeister@onsite-env.com] Monday, May 23, 2011 3:14 PM Sharon Bell Report for Project 620837 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



14648 NE 95th Street, Redmond, WA 98052 <u>www.onsite-env.com</u> T: 425-883-3881 Cell: 206-550-2483 <u>dbaumeister@onsite-env.com</u>



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.

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)

Units: hig/kg (ppin)				Date	Date	
Analyte	Result	PQL	Method	Prepared	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				

o-Terphenyl 117 5

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				

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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					<u>v</u>
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	i -
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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SEMIVOLATILES by EPA 8270D/SIM page 2 of 2

				Date	Date	
Analyte	Result	PQL	Method	Prepared	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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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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2,4,6-Tribromophenol

Terphenyl-d14

Date Date Analyte Result PQL Method Prepared Analyzed Flags **Client ID:** S2-00-051011 05-092-02 Laboratory ID: 18 EPA 8270 5-16-11 5-19-11 2,4-Dinitrophenol ND ND 0.036 EPA 8270/SIM 5-16-11 5-20-11 Acenaphthene ND 3.6 EPA 8270 5-16-11 5-19-11 4-Nitrophenol ND 3.6 EPA 8270 5-16-11 5-19-11 2,4-Dinitrotoluene ND EPA 8270 5-16-11 5-19-11 3.6 Dibenzofuran ND EPA 8270 5-16-11 5-19-11 2,3,5,6-Tetrachlorophenol 3.6 2,3,4,6-Tetrachlorophenol ND 3.6 EPA 8270 5-16-11 5-19-11 ND 18 EPA 8270 5-16-11 5-19-11 Diethylphthalate ND EPA 8270 5-16-11 5-19-11 4-Chlorophenyl-phenylether 3.6 ND EPA 8270 5-16-11 5-19-11 3.6 4-Nitroaniline ND EPA 8270/SIM 0.036 5-16-11 5-20-11 Fluorene 5-19-11 5-16-11 4,6-Dinitro-2-methylphenol ND 18 EPA 8270 5-16-11 5-19-11 ND 3.6 EPA 8270 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 Pentachlorophenol ND 18 EPA 8270 5-16-11 5-19-11 0.060 0.036 EPA 8270/SIM 5-20-11 Phenanthrene 5-16-11 ND 0.036 EPA 8270/SIM 5-16-11 5-20-11 Anthracene ND 3.6 EPA 8270 5-16-11 5-19-11 Carbazole ND 3.6 EPA 8270 5-16-11 5-19-11 Di-n-butylphthalate ND 0.036 EPA 8270/SIM 5-16-11 5-20-11 Fluoranthene 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 ND 36 EPA 8270 5-16-11 5-19-11 Butylbenzylphthalate ND 3.6 EPA 8270 5-16-11 5-19-11 bis-2-Ethylhexyladipate ND 36 EPA 8270 5-16-11 5-19-11 3,3'-Dichlorobenzidine 0.076 0.036 EPA 8270/SIM 5-16-11 5-20-11 Benzo[a]anthracene 0.17 0.036 EPA 8270/SIM 5-16-11 5-20-11 Chrysene 3.6 EPA 8270 5-16-11 5-19-11 bis(2-Ethylhexyl)phthalate ND ND EPA 8270 5-16-11 5-19-11 3.6 Di-n-octylphthalate 0.037 0.036 EPA 8270/SIM 5-16-11 5-20-11 Benzo[b]fluoranthene 5-20-11 Benzo(j,k)fluoranthene ND 0.036 EPA 8270/SIM 5-16-11 0.038 0.036 EPA 8270/SIM 5-16-11 5-20-11 Benzo[a]pyrene ND 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 EPA 8270/SIM ND 0.036 5-16-11 5-20-11 Benzo[g,h,i]perylene Percent Recovery Control Limits Surrogate: S 30 - 97 2-Fluorophenol . ---S Phenol-d6 40 - 104 . --s Nitrobenzene-d5 35 - 102 .--S 44 - 97 2-Fluorobiphenyl .--

SEMIVOLATILES by EPA 8270D/SIM

page 2 of 2

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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.

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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:	S3-00-051011					- Thugo
_aboratory 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	
I,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	
sophorone	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	
,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	
-lexachlorobutadiene	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	
I,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	
I,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	
,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	

OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

SEMIVOLATILES by EPA 8270D/SIM page 2 of 2

Lient ID: S3-00-051011 05-092-03 (4-Dinitrophenol ND 8.9 EPA 8270 5-16-11 5-19-11 cenaphthene 0.015 0.014 EPA 8270 5-16-11 5-19-11 Nitrophenol ND 1.8 EPA 8270 5-16-11 5-19-11 -Nitrophenol ND 1.8 EPA 8270 5-16-11 5-19-11 -4-Dinitrotoluene ND 1.8 EPA 8270 5-16-11 5-19-11 -4-Dinitrotoluene ND 1.8 EPA 8270 5-16-11 5-19-11 .4-Dinitrotoluene ND 1.8 EPA 8270 5-16-11 5-19-11 .3,5,6-Tetrachlorophenol ND 1.8 EPA 8270 5-16-11 5-19-11 .3,4,6-Tetrachlorophenol ND 1.8 EPA 8270 5-16-11 5-19-11 .3,5,6-Tetrachlorophenol ND 1.8 EPA 8270 5-16-11 5-19-11 .0Chorophenyl-phenylether ND 1.8 EPA 8270 5-16-11 5-19-11 .0Itros-2-methylphenol		Decult	DOI	Mathed	Date	Date	Flags
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Alberto ND 1.8 EPA 8270 5-16-11 5-19-11 Gluoranthene ND 0.014 EPA 8270 5-16-11 5-19-11 Benzidine ND 18 EPA 8270 5-16-11 5-19-11 Verne ND 0.014 EPA 8270 5-16-11 5-19-11 Sutylbenzylphthalate ND 18 EPA 8270 5-16-11 5-19-11 Sutylbenzylphthalate ND 0.014 EPA 8270 5-16-11 5-19-11 Sutylbenzylphthalate ND 1.8 EPA 8270 5-16-11 5-19-11 Sutylbenzylphthalate ND 1.8 EPA 8270 5-16-11 5-19-11 Sutylbenzylphthalate ND 1.8 EPA 8270/SIM 5-16-11 5-19-11 <td>Anthracene</td> <td>ND</td> <td>0.014</td> <td>EPA 8270/SIM</td> <td>5-16-11</td> <td>5-19-11</td> <td></td>	Anthracene	ND	0.014	EPA 8270/SIM	5-16-11	5-19-11	
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ND 0.014 EPA 8270/SIM 5-16-11 5-19-11 Sutylbenzylphthalate ND 18 EPA 8270 5-16-11 5-19-11 Sutylbenzylphthalate ND 1.8 EPA 8270 5-16-11 5-19-11 Sy-Dichlorobenzidine ND 1.8 EPA 8270 5-16-11 5-19-11 Sy-Dichlorobenzidine ND 18 EPA 8270 5-16-11 5-19-11 Sy-Dichlorobenzidine ND 0.014 EPA 8270 5-16-11 5-19-11 Sy-Dichlorobenzidine ND 0.014 EPA 8270/SIM 5-16-11 5-19-11 Sysene ND 0.014 EPA 8270/SIM 5-16-11 5-19-11 Sysene ND 1.8 EPA 8270 5-16-11 5-19-11 Senzo[b]fluoranthene 0.057 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 Benzo[a]pyrene ND 0.014 EPA 8270/SIM 5-16-11 5-19-11	Fluoranthene	ND	0.014	EPA 8270/SIM	5-16-11	5-19-11	
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Nitrobenzene-d5 94 35 - 102 2-Fluorobiphenyl 89 44 - 97 2,4,6-Tribromophenol 87 41 - 110	•						
2-Fluorobiphenyl 89 44 - 97 2,4,6-Tribromophenol 87 41 - 110							
2,4,6-Tribromophenol 87 41 - 110							
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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
Analyte						Ŭ
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	Enviolatio	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	

OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

SEMIVOLATILES by EPA 8270D/SIM METHOD BLANK QUALITY CONTROL page 2 of 2

	Describ	DOI		Date	Date	Flows
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Laboratory ID:	MB0516S3					
Laboratory ID: 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	
	ND	0.033	EPA 8270	5-16-11	5-17-11	
Diethylphthalate	ND	0.033	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	0.0057	EPA 8270/SIM	5-16-11	5-19-11	
Fluorene						
4,6-Dinitro-2-methylphenol	ND	0.17	EPA 8270	5-16-11 5-16-11	5-17-11 5-17-11	
n-Nitrosodiphenylamine	ND	0.033	EPA 8270			
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			7		
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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SEMIVOLATILES by EPA 8270D/SIM SB/SBD QUALITY CONTROL

Matrix: Soil Units: mg/Kg

onito. Ingrity					Per	cent	Recovery		RPD	
Analyte	Res	sult	Spike	Level	Reco	overy	Limits	RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB05	16S3								
	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			

OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

PCBs by EPA 8082

Matrix: Soil Units: mg/Kg (ppm)

A	Decult	PQL	Method	Date Propared	Date Applyrod	Flags
Analyte	Result S1-00-051011	PQL	wethod	Prepared	Analyzed	Flags
Client ID:						
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 1232 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 1254 Aroclor 1260	ND	0.053	EPA 8082	5-11-11	5-12-11	
	Percent Recovery	Control Limits	LINCOOL		01211	
Surrogate:	75	42-123				
DCB	75	42-120				

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.

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PCBs by EPA 8082 QUALITY CONTROL

Matrix: Soil Units: mg/Kg (ppm)

0 0 /				Date	Date	
Analyte	Result	PQL	Method	Prepared	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				

				Source	Pe	rcent	Recovery		RPD	
Re	sult	Spike	Level	Result	Rec	overy	Limits	RPD	Limit	Flags
05-07	78-01									
MS	MSD	MS	MSD		MS	MSD				
0.468	0.461	0.500	0.500	ND	94	92	44-125	2	15	
					77	75	42-123			
	05-01 MS		05-078-01 MS MSD MS	05-078-01 MS MSD MS MSD	Result Spike Level Result 05-078-01 MS MSD	Result Spike Level Result Rec 05-078-01	Result Spike Level Result Recovery 05-078-01	Result Spike Level Result Recovery Limits 05-078-01	Result Spike Level Result Recovery Limits RPD 05-078-01	Result Spike Level Result Recovery Limits RPD Limit 05-078-01

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.

ORGANOCHLORINE PESTICIDES by EPA 8081A

Matrix: Soil Units: ug/Kg (ppb)

onits. ug/ng (ppb)				Date	Date	
Analyte	Result	PQL	Method	Prepared	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	Р
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	Р
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				

ORGANOCHLORINE PESTICIDES by EPA 8081A METHOD BLANK QUALITY CONTROL

Matrix: Soil Units: ug/Kg (ppb)

onits. ug/ng (ppb)				Date	Date	
Analyte	Result	PQL	Method	Prepared	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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ORGANOCHLORINE PESTICIDES by EPA 8081A MS/MSD QUALITY CONTROL

Matrix: Soil Units: ug/Kg (ppb)

					Source	Per	cent	Recovery		RPD	
Analyte	Re	sult	Spike Level		Result	Rec	overy	Limits	RPD	Limit	Flags
MATRIX SPIKES											
Laboratory ID:	05-0	92-01									
	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			
202								00.10			

CHLORINATED ACID HERBICIDES by EPA 8151A

Matrix: Soil Units: ug/Kg (ppb)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	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	Р
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	Р
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	Р
Surrogate:	Percent Recovery	Control Limits				
DCAA	57	30-96				

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CHLORINATED ACID HERBICIDES by EPA 8151A QUALITY CONTROL

Matrix: Soil Units: ug/Kg (ppb)

		501		Date	Date	
Analyte	Result	PQL	Method	Prepared	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				
DCAĂ	47	30-96				

				Source	Pe	rcent	Recovery		RPD	
Re	sult	Spike	Level	Result	Rec	overy	Limits	RPD	Limit	Flags
05-09	92-01									
MS	MSD	MS	MSD		MS	MSD				
60.4	58.1	100	100	ND	60	58	25-101	4	30	
49.5	54.7	100	100	ND	49	55	25-84	10	28	
7.52	7.79	10.0	10.0	3.13	44	47	27-96	4	26	
53.0	54.0	100	100	ND	53	54	25-94	2	20	
67.2	76.0	100	100	33.4	34	43	25-117	12	27	
					79	56	30-96			
	05-09 MS 60.4 49.5 7.52 53.0	60.458.149.554.77.527.7953.054.0	05-092-01 MS MSD MS 60.4 58.1 100 49.5 54.7 100 7.52 7.79 10.0 53.0 54.0 100	05-092-01 MS MSD MS MSD 60.4 58.1 100 100 49.5 54.7 100 100 7.52 7.79 10.0 10.0 53.0 54.0 100 100	05-092-01 MS MSD MSD 60.4 58.1 100 100 ND 49.5 54.7 100 100 ND 7.52 7.79 10.0 10.0 3.13 53.0 54.0 100 ND	Result Spike Level Result Rec 05-092-01 MS MSD MS MS MSD MS MSD MS 60.4 58.1 100 100 ND 60 49.5 54.7 100 100 ND 49 7.52 7.79 10.0 10.0 3.13 44 53.0 54.0 100 100 ND 53 67.2 76.0 100 100 33.4 34	Result Spike Level Result Recovery 05-092-01	Result Spike Level Result Recovery Limits 05-092-01	Result Spike Level Result Recovery Limits RPD 05-092-01 MS MSD MS MSD Solution Solut	Result Spike Level Result Recovery Limits RPD Limit 05-092-01 MS MSD MS MSD MS MSD Imit Imit 60.4 58.1 100 100 ND 60 58 25-101 4 30 49.5 54.7 100 100 ND 49 55 25-84 10 28 7.52 7.79 10.0 10.0 3.13 44 47 27-96 4 26 53.0 54.0 100 100 ND 53 54 25-94 2 20 67.2 76.0 100 100 33.4 34 43 25-117 12 27

TOTAL METALS EPA 6010B/7471A

Matrix:	Soil					
Units:	mg/kg (ppm)			Date	Date	
Analyte	Result	PQL	EPA Method	Prepared	Analyzed	Flags
Analyte						<u> </u>
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	

TOTAL METALS EPA 6010B/7471A

Matrix:	Soil					
Jnits:	mg/kg (ppm)					
				Date	Date	
Analyte	Result	PQL	EPA Method	Prepared	Analyzed	Flags
∟ab 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	
_ead	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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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

PQL Result Analyte Method ND 6010B 10 Arsenic ND 2.5 6010B Barium ND 0.50 6010B Cadmium ND 0.50 6010B Chromium 6010B ND 5.0 Lead 6010B ND 10 Selenium ND 0.50 6010B Silver

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TOTAL MERCURY EPA 7471A METHOD BLANK QUALITY CONTROL

Date Extracted:	5-11-11
Date Analyzed:	5-11-11

Matrix:	Soil
Units:	mg/kg (ppm)

MB0511S1

Lab ID:

AnalyteMethodResultPQLMercury7471AND0.25

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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

.

	Sample	Duplicate		POI	Flore
Analyte	Result	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	

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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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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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	

OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

ORGANOPHOSPHORUS PESTICIDES by EPA 8270D/SIM

Matrix: Soil Units: mg/Kg

	D	501		Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	S1-00-051011					
_aboratory ID:	05-092-01					
Dichlorvos(DDVP)	ND	0.22	EPA 8270/SIM	5-16-11	5-17-11	
Vevinphos/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	
Vonocrotophos	ND	0.56	EPA 8270/SIM	5-16-11	5-17-11	
Valed	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	
enchlorphos/Ronnel	ND	0.22	EPA 8270/SIM	5-16-11	5-17-11	
Valathion	ND	0.22	EPA 8270/SIM	5-16-11	5-17-11	
⁼ enthion	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

OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

ORGANOPHOSPHORUS PESTICIDES by EPA 8270D/SIM METHOD BLANK QUALITY CONTROL

Matrix: Soil Units: mg/Kg

Units. mg/ng				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Laboratory ID:	MB0516S1					
Laboratory ID: 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				

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.

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ORGANOPHOSPHORUS PESTICIDES by EPA 8270D/SIM SB/SBD QUALITY CONTROL

Matrix: Soil Units: mg/Kg

Units. highly					Perc	cent	Recovery		RPD	
Analyte	Res	sult	Spike	Level	Reco	overy	Limits	RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB05	16S1								
	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			

NWTPH-Gx/BTEX

Matrix: Soil Units: mg/kg (ppm)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	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				

NWTPH-Gx/BTEX QUALITY CONTROL

Matrix: Soil Units: mg/kg (ppm)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	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	Res	sult	Spike	Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										······································
Laboratory ID:	05-09	94-20								
	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	SB05	1201								

. in

Laboratory ID:	SB05	513S1								
	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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NWTPH-Dx (with acid/silica gel clean-up)

Matrix: Soil Units: mg/Kg (ppm)

2 2				Date	Date	
Analyte	Result	PQL	Method	Prepared	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				
T	100	F0 150				

o-Terphenyl 123 50-150

NWTPH-Dx QUALITY CONTROL (with acid/silica gel clean-up)

Matrix: Soil Units: mg/Kg (ppm)

Result	PQL	Method		Date Prepared		-	Flags
MB0518S1							
ND	25	NWTPH-Dx		5-18-11	5-18-	11	
ND	50	NWTPH-Dx		5-18-11	5-18-	11	
Percent Recove	ery Control Limits						
122	50-150						
		Perce	nt	Recovery		RPD	
Resu	lt	Recov	ery	Limits	RPD	Limit	Flags
05-098-	03						
ORIG	DUP						
ND	ND				NA	NA	
ND	ND				NA	NA	
					NA	NA	
	MB0518S1 ND ND Percent Recove 122 Resul 05-098- ORIG	MB0518S1 ND 25 ND 50 Percent Recovery Control Limits 122 50-150 Result 05-098-03	MB0518S1 ND 25 NWTPH-Dx ND 50 NWTPH-Dx Percent Recovery Control Limits 122 50-150 Perce Result Recovery 05-098-03 ORIG DUP	MB0518S1 ND 25 NWTPH-Dx ND 50 NWTPH-Dx Percent Recovery Control Limits 122 50-150 Percent Result Recovery 05-098-03 ORIG DUP	ResultPQLMethodPreparedMB0518S1	ResultPQLMethodPreparedAnalyzeMB0518S1	ResultPQLMethodPreparedAnalyzedMB0518S1

35

% MOISTURE

Date Analyzed: 5-11-11

Client ID	Lab ID	% Moisture
	·	
S1-00-051011	05-092-01	11
00 00 051011	05-092-02	7
S2-00-051011	05-092-02	1
S3-00-051011	05-092-03	6
00 00 00.0		· ·

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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.

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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

MA Ducita	chain of Custody				Page 7 of 4	*****
Environmental Inc.	Turneround Request [In yorking days] Laborato	Laboratory Number:			0 2 - 0 3	
Phone: (425) 882-3681 - Fax: (425) 865-4603	(Check One)		Requested Arraly	900 (B		
COMPANY. TPCHD	Same Day 1 Day				(d)	
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acombe Identification Sat	e Time # of NWTE Cont.	golßH √m∋2 ≈HA9	Pestic Herbi Total	ЕБН ИРН НЕМ		W %
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Chain of Custody	ntal Inc. Turnaround Request Laboratory Number: edmond, WA 98052 (in working days) Laboratory Number:	Fax: (425) 885-4603 (Check One) Requested Analysis	Same Day 1 Day	□ 3 Day	∀ N OOC Sac pλ 8	TEX	4-Gx/B Gx/B s by 82 by 8270 by 8270 by 8270 by 8270 by 8270 by 664 by 1664 by 1664	Sampled Matrix Cont Herbicic Cotal Rd HEM by Pate Time Autogen Semiled Matrix Cont Rd HEM by PAHs b Pate Cotal Rd Herbicic Herbicic Cotal Rd HEM by PAHs b Pate by PAHs b Pate Cotal Rd Herbicic Herbicic Cotal Rd Herbicic Cotal Rd Herbicic Cotal Rd Herbicic Cotal Rd Herbicic Cotal Rd Herbicic Cotal Rd Matrix Cont Rd Herbicic Cotal Rd Herbicic Rd Herbicic Cotal Rd Herbicic Rd Herbicic Cotal Rd Herbicic Cotal						e Comments/Special Instructions:	Buy TPCID 5-111 8:40 * 71 nois indicates pressed	Var - 5heard 5111 3:40	Vou Speely Silvil Quing annu should be			
AL OnSite	mental inc.	Phone: (425) 883-3881 • Fax: (425) 885-4603 Company:		1 (020837		Project Manager: (TPH 6	Sampled by:	12.62	52 20 - 65 1811	52 00 - DS 1011 - V 1				Signature	Relinquished by	Received by	~	Received by	Relinquished by	Received by

DISTRIBUTION LEGEND: White - OnSite Copy Yellow - Report Copy Pink - Client Copy

Sharon Bell

From: Sent: To: Subject: Attachments: Sharon Bell Tuesday, May 24, 2011 8:53 AM 'A Advanced Septic' Sample results 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 <u>Public Records Portal</u>. 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	1900 blk 22nd Place
address:	PUYALLUP WA
	US
County:	PIERCE
Ecology	SWRO
region:	
Lat, long:	47.172051 , 122.26551
Directions/Landma	rks:

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	15 Drum
amount:	

Unknown

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	(253) 591-5733
number(s):	
Mailing	
address:	
Are they anonymou	is? No
Are they self-report	ing? No
External reference	number:

Who might be responsible?

Name: Organization: Email: Phone number(s): Mailing address:

Comments/notes

Fire has discovered 15 drums of unknown contents and a scene of an abandoned warehouse fire.

Incident details

Life cycle Historic status: Incident Date: 06/27/10 Was it self- No reported?: Show to No public?:

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:

Location

Location	
name:	
Physical	1900 blk 22nd Place
Address:	PUYALLUP WA
	US
County:	PIERCE
Lat, long:	47.172113 , 122.265218

Who might be responsible?

Unknown

Name: Organization: Email: Phone number(s): Mailing address: ERTS Incident #620837 - Print

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?

Action history

Primary activity		Status	Action	Date
Activity:	Unknown	Completed	TCP SIS	11/16/2010
Primary cause				00:00:00
Cause:	Human error - Unknown	Completed	Telephone technical assistance	11/16/2010 00:00:00
Primary detail				
Medium:	Impermeable surface -			
	Building/Structure			
Source:	Historical - Undetermined			
Substance:	Historical - Undetermined			
Substance amoun	t: 15 Drum			
Primary impact				
Impact:	Air - Potential pollution/release			

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	ls external?	Email	Phone number	Comments
Accepted	WA Ecology	Nannette	Brooks	Ν	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	?	Action	his	story	
Primary activity		Statu	S	Action	Date
Activity:	Other	In		Field investigation	06/28/2010
Primary cause		progr	ess	scheduled	00:00:00
Cause:	Historical - Undetermined				
Primary detail					
Medium:	Ground - Soil				
Source:	Container - Drum				
	leak/Abandoned				
Substance:	Water - Bilge water				
Substance amou	nt: 1051 U.S. gallons				
Primary impact					

Impact: Ground - Soil contamination

Comments

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	ls external?	Email	Phone number	Comments
Accepted	WA Ecology	Ron	Holcomb	Ν	rhol461@ecy.wa.gov	(360) 407- 6373	
Accepted	WA Ecology	Doug	Stolz	Ν	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		Status	Action	Date
Activity:	Other	In	Field investigation	11/16/2010
Primary cause		progress	scheduled	00:00:00
Cause:	Human error - Unintentional	Completed	TCP SIS	11/16/2010 00:00:00
Primary detail				
Medium:	Ground - Soil			
Source:	Historical - Undetermined			
Substance:	Chemical - Other			
Substance amount: 1051 U.S. gallons				

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

http://ecyapeem/EnvironmentalReportTracking/IncidentTracking/Incident/IncidentPrint/620837[1/5/2023 4:26:08 PM]

Disclaimer: There are no attachments for this incident















INANG

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NELROSE PARK, JILLINGIS 60160 GLENDAGE CALIFORNIA 91204

FORMITY · VALUE · SERVICE · QUALITY · UNIFORMITY · VALUE



















































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



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

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

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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).

		property	1/10	> 1/10
STANDARD ENVIRONMENTAL RECORDS	Default Area of Concern (Miles)*			
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	-	

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.

TARGET PROPERTY INFORMATION

ADDRESS

SUNSET POINTE 2301 23RD ST SE PUYALLUP, WA 98372

COORDINATES

Latitude (North):	47.172539
Longitude (West):	122.26543
Elevation:	371 ft. abo

47.172539 - 47° 10′ 21.139526″ 122.265431 - 122° 15′ 55.563354″ 371 ft. above sea level

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records.

Site

PIONEER MUSEUM 2301 23RD AVE SE PUYALLUP, WA 98372

Database(s)

CSCSL

Site Status: Awaiting Cleanup 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 ALLSITES Facility Id: 9490 **RGA HWS**

Facility ID: 9490

PIONEER MUSEUM FORMER 2301 23RD AVE SE PUYALLUP, WA

Site

PIONEER MUSEUM 2301 23RD AVE SE PUYALLUP, WA 98372 Database(s)

FINDS Registry ID:: 110045015274

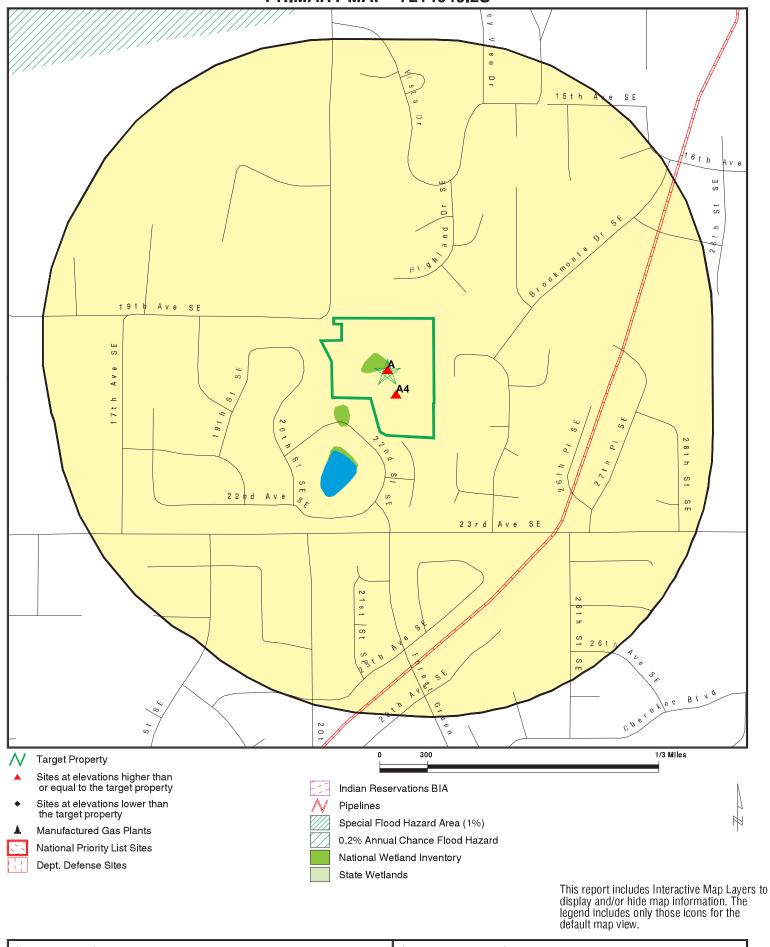
SEARCH RESULTS

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

STANDARD ENVIRONMENTAL RECORDS

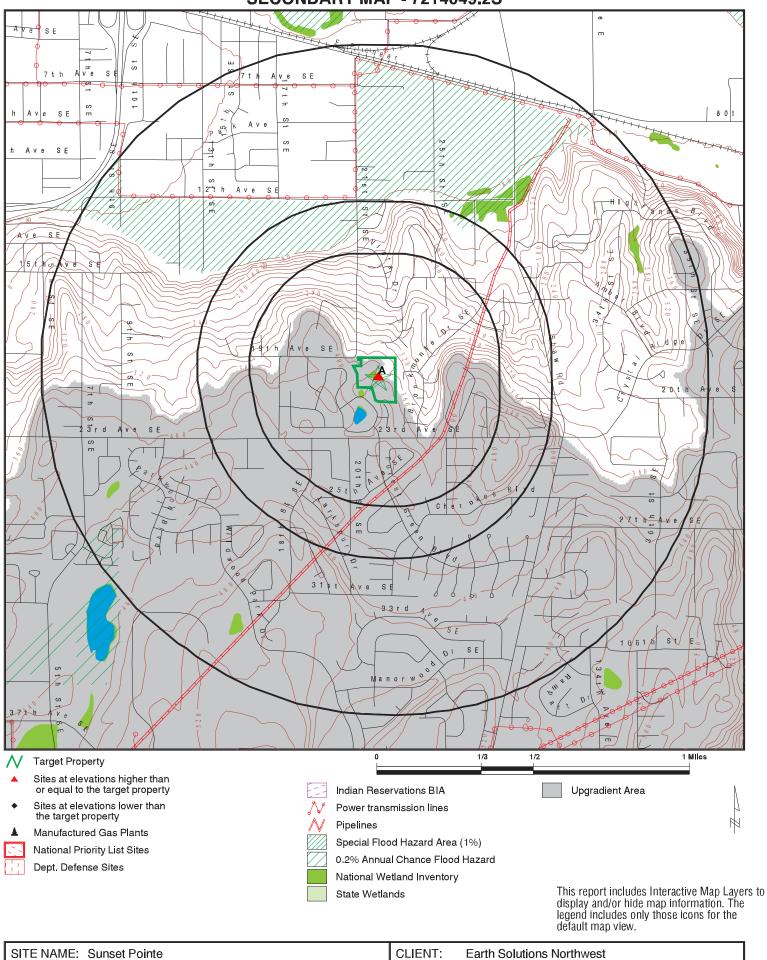
Name PIONEER MUSEUM CSCSL: CSCSL ALLSITES: ALLSITES	Address 2301 23RD AVE SE	Dist/Dir Property	Map ID ▲ A1	<mark>Page</mark> 9
ADDITIONAL ENVIRONMENTAL RECORDS				
Name	Address	Dist/Dir	Map ID	Page
PIONEER MUSEUM CSCSL: CSCSL ALLSITES: ALLSITES	2301 23RD AVE SE	Property	▲ A1	9
PIONEER MUSEUM FINDS: FINDS	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



Puyallup WA 98372 INQUIRY #: 7214049.2s		Sunset Pointe 2301 23rd St SE	CLIENT: CONTACT:	Earth Solutions Northwest Kyler Kelly	
LAT/LONG: 47,172539 / 122,265431 DATE: December 29, 2022 3:31 pm	LAT/LONG:			7214049.2s December 29, 2022 3:31 pm	

SECONDARY MAP - 7214049.2S



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

LEGEND

FACILITY NAME FACILITY ADDRESS, CITY, ST, ZIP EDR SITE ID NUMBER							
♦ MAP ID#	Direction Distance Range Relative Elevation	(Distance feet / miles) 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:							

 $\label{eq:comments} \mbox{Comments may be added on the online Vapor Encroachment Worksheet.}$

DATABASE ACRONYM: Applicable categories (A hoverbox with database description).

PIONEER MUSEU 2301 23RD AVE SE	M E, PUYALLUP, WA, 98372		S111414226
	Target Property		Lists of state- and tribal hazardous waste facilities Local Lists of Hazardous waste / Contaminated Sites
▲ A1	371	ft. Above Sea Level	

Worksheet:

PIONEER MUSEU 2301 23RD AVE SE		S115345102
	Target Property	Exclusive Recovered Govt. Archives
▲ A2	371 ft. Above Sea Level	

Worksheet:

PIONEER MUSEU 2301 23RD AVE SE	M E, PUYALLUP, WA, 98372	1015922136
	Target Property	Other Ascertainable Records
▲ A3	371 ft. Above Sea Level	

Worksheet:

1900 BLK 22ND PL 1900 BLK 22ND PL	.ACE .ACE, PUYALLUP, WA,		S110627886
	SSE <1/10	(0 ft. / 0 mi.)	Records of Emergency Release Reports
▲ A4	15 ft. Higher Elevation	386 ft. Above Sea Level	

Worksheet:

MAP FINDINGS

St Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
ENVIRONMENTAL RECORDS					
Federal NPL site list US NPL US Proposed NPL US NPL LIENS	National Priority List Proposed National Priority List Sites Federal Superfund Liens	EPA EPA EPA	10/27/2022 10/27/2022 10/15/1991	11/01/2022 11/01/2022 02/02/1994	11/15/2022 11/15/2022 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 In US CORRACTS	<i>ist</i> 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 US RCRA-SQG US RCRA-VSQG	RCRA - Large Quantity Generators RCRA - Small Quantity Generators RCRA - Very Small Quantity Generators (Formerly Conditionall	Environmental Protection Agency Environmental Protection Agency Environmental Protection Agency	11/21/2022 11/21/2022 11/21/2022	11/21/2022 11/21/2022 11/21/2022	12/05/2022 12/05/2022 12/05/2022
Federal institutional controls / engine US LUCIS US US ENG CONTROLS US US INST CONTROLS	eering controls registries Land Use Control Information System Engineering Controls Sites List Institutional Controls Sites List	Department of the Navy Environmental Protection Agency Environmental Protection Agency	08/16/2022 08/15/2022 08/15/2022	08/22/2022 08/17/2022 08/17/2022	10/24/2022 10/24/2022 10/24/2022
<i>Federal ERNS list</i> 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 o WA SWF/LF	<i>lisposal</i> Solid Waste Facility Database	Department of Ecology	07/07/2022	07/21/2022	10/04/2022
State and tribal leaking storage tank I WA LUST US INDIAN LUST R10 US INDIAN LUST R9 US INDIAN LUST R8 US INDIAN LUST R4 US INDIAN LUST R1 US INDIAN LUST R5	lists Leaking Underground Storage Tanks Site List Leaking Underground Storage Tanks on Indian Land Leaking Underground Storage Tanks on Indian Land	Department of Ecology EPA Region 10 Environmental Protection Agency EPA Region 8 EPA Region 4 EPA Region 1 EPA, Region 5	08/08/2022 04/20/2022 04/08/2022 04/20/2022 06/02/2022 04/28/2021 04/11/2022	08/09/2022 06/13/2022 06/13/2022 06/13/2022 06/13/2022 06/11/2021 06/13/2022	10/26/2022 08/16/2022 08/16/2022 08/16/2022 08/31/2022 09/07/2021 08/16/2022

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
Stat	e and tribal registered storage tan					
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
Stat	te and tribal institutional control / e	engineering control registries				
	INST CONTROL	Institutional Control Site List	Department of Ecology	10/10/2022	10/11/2022	12/22/2022
Stat	e and tribal voluntary cleanup site	S				
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
Stat	te and tribal Brownfields sites					
WA	BROWNFIELDS	Brownfields Sites Listing	Department of Ecology	10/10/2022	10/11/2022	12/22/2022
Oth	er 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
	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
	SWTIRE 2	Solid Waste Tire Facilities 2	Department of Ecology	06/01/2022	06/23/2022	09/12/2022
	SWRCY	Recycling Facility List	Department of Ecology	07/14/2022	09/06/2022	09/13/2022
	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
	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

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		11/22/2022	
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
	ALLSITES	Facility/Site Identification System Listing	Department of Ecology	07/25/2022	07/26/2022	
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
	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

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
HIS	TORICAL 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 WA RGA LF

WA RGA LUST

EDR Exclusive Historical Auto Stations EDR Exclusive Historical Cleaners Recovered Government Archive State Hazardous Waste Facilitie Recovered Government Archive Solid Waste Facilities List Recovered Government Archive Leaking Underground Storage Tan

EDR, Inc. EDR, Inc. EDR, Inc. Department of Ecology Department of Ecology Department of Ecology

07/01/2013 12/24/2013 07/01/2013 01/10/2014 07/01/2013 12/24/2013

St Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
COUNTY RECORDS WA LF KING WA LF SEATTLE CITY WA LF SEATTLE/KING WA LF SNOHOMISH WA LF TACOMA/PIERCE	Abandoned Landfill Study in King County Abandoned Landfill Study in the City of Seattle Seattle - King County Abandoned Landfill Toxicity / Hazard A Solid Waste Sites of Record at Snohomish Health District Closed Landfill Survey	Seattle-King County Department of Public Heal Seattle - King County Department of Public He Department of Public Health Snohomish Health District Tacoma-Pierce County Health Department	04/30/1985 07/30/1984 12/31/1986 09/23/2019 09/01/2002	11/07/1994 11/07/1994 08/18/1995 09/25/2019 03/24/2003	09/20/1995 10/24/2019 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 Page: 1 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
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 Orion Material Sample Containing Asbestos Othe							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 Lo	g / Chain of Custody
		LAB: Orion
Client Comp	any: Tacoma Abatement Company, LLC	LAB Job #:KUSM_
Client Addre	ess: 5111 S Burlington Way	# of Samples:)
	<u>Tacoma, WA 98409</u>	
Phone #:	(253) 830-5945	Job Name: Peter Chin
Fax #:	(253) 276-0267	Job Address: 1224 S. Lane St
		Job Address: 1224 S. Lane St Scattly, LM
Report Resu	ults To: Matthew Ware	Type of Analysis (Check One)
At Phone #:	(253) 985-0165	ASBESTOS LEAD
Fax Results:	: (253) 276-0267	PCM (air) Paint Soil
Mail Hard C	Copy: 5111 S Burlington Way	PLM (bulk) Dust/Wipe (area?)
	Tacoma, WA 98409	Air (volume?)
Email Copy	To: matt@tacomaabatement.com	TCLP
		🖾 REGULAR 🗖 RUSH
Condition of Pa	ackage: Good Damaged (No Spillage) Severe Damage (Spillage)
Lab ID	Sample ID Type	Location
1	Textur/5	DILX 2FL Bed
2	Texture	Kitchen
3	Texture	
4	Texture	
5	Texture	Libyroom
6	Textu-e	comon norm
7	Taxture	- Entry
8	Filler Glue Clue Window Gla	Liliprom
9	Glue	Lihbroom Kitches Counter/Kitchen Z Whilens.
10	Cluc	counter/Kitchen
11	Window Gla	2 Windows.
12		
13		
14		
	Signature	Date Time

	Signature	Date	lime
	Sampled By:	8-1-18	
f-airspl.vsd	Delivered By:	8-1-18	
f-airsp	Received By:	8-1-18	15:30
	Analyzed By:		đi.
	Special: Read Abatement Sample # ONLY it	Sample #	_ is Greater Than .01 f/cc



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.

Desert Creek, LLC January 14, 2005

JN 24420 Page - 2

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.

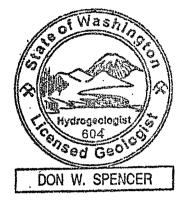
Don W. Spencer, M.Sc., P.G., R.E.A. Principal

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)



ENVIRONMENTAL ASSOCIATES, INC.

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

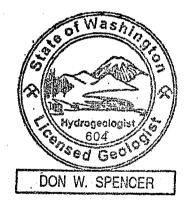
EPA-Certified Asbestos Inspector/Management Planner I.D. # AM 48151

EPA/HUD Certified Lead Inspector (Licensed)

Registered Site Assessor/Licensed UST Supervisor State Certification #0878545-U7

License: 604	(Washington)
License: 11464	(Oregon)
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.

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- 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
	Ta	ax Parcel: 042	20353026	
Single story residence	Wood Framed	1,104	1928	Pitched with composition shingles
	Ta	ax Parcel: 042	20353027	
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 Pa	rcel: 0420353	027(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 pa	arcel #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

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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 p	arcel #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 p	arcel #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 r	barcel #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		1953							
Greeley, Vinto	2102 19 th Ave SE	1953							
Greeley, Grace		1959							
Ingham, Gerald		1972							
Ottinger, Edw	2100 19 th Ave SE	1979, 1985							
Ottinger, Sharon		1990, 1997, 2003							
Frontier Museum	2301 23 rd Ave SE	1979, 1985, 1990							
	SOUTH/WEST OF SUBJECT SITE								
Hilltop Concrete Co		1959							
Reid Concrete Inc.	2223 23 rd Ave SE	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 1924-1950vintage 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 total concentrations, an unofficially adopted "rule of thumb" used by some regulators and investigators is that total 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 estimated

<u>"total concentration of lead in the tested soil would be roughly 7.6-ppm, a concentration below the median concentration of "total</u>" 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 Response Act (AHERA), 40 CFR, pa	borrowing criteria adopted under the Asb art 763.	estos Hazard Emergency

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	Review of the current EPA Comprehensive Environmental Response,
and NPL	Compensation, and Liability Information System (CERCLIS) and National
	Priority List (NPL) listings revealed <u>no CERCLIS</u> and <u>no NPL</u> 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 <u>no CORRACTS</u> 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.

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RCRA/FINDS/
TSDsReview 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 <u>no documented landfills</u> 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 <u>mitigating factors</u> which <u>may</u> 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 <u>may</u> 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

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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 <u>qualitative</u> 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 <u>quantify</u> 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.

JN 24420 Page - 21

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

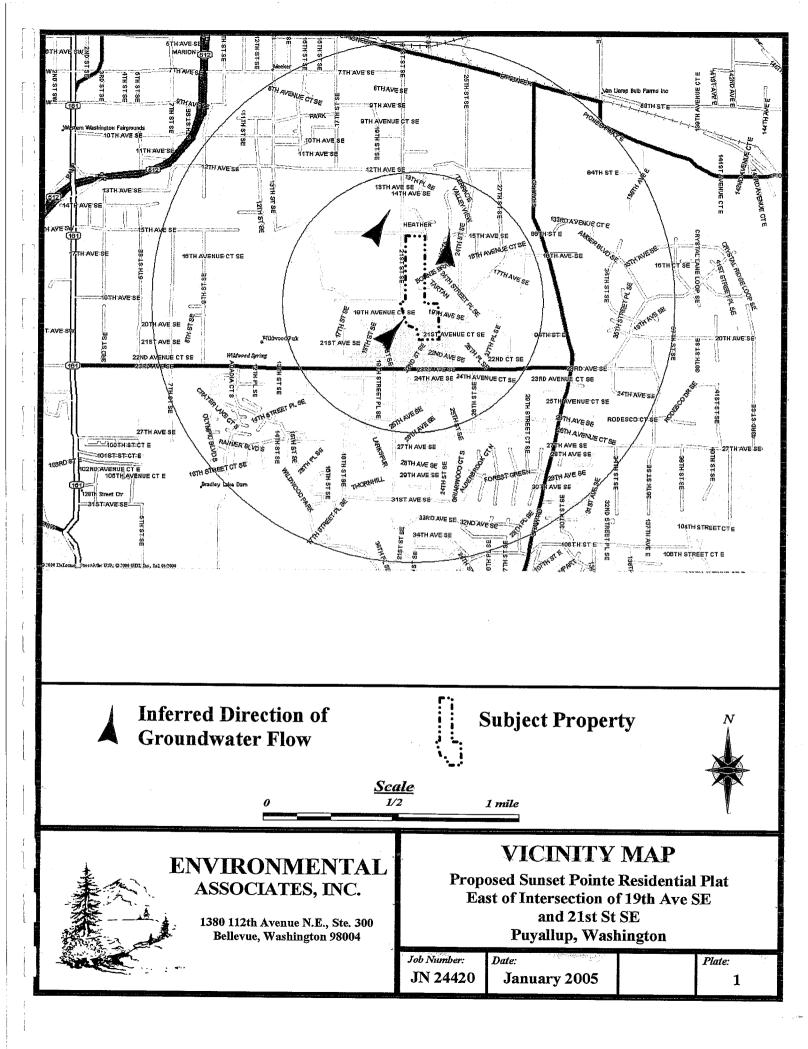
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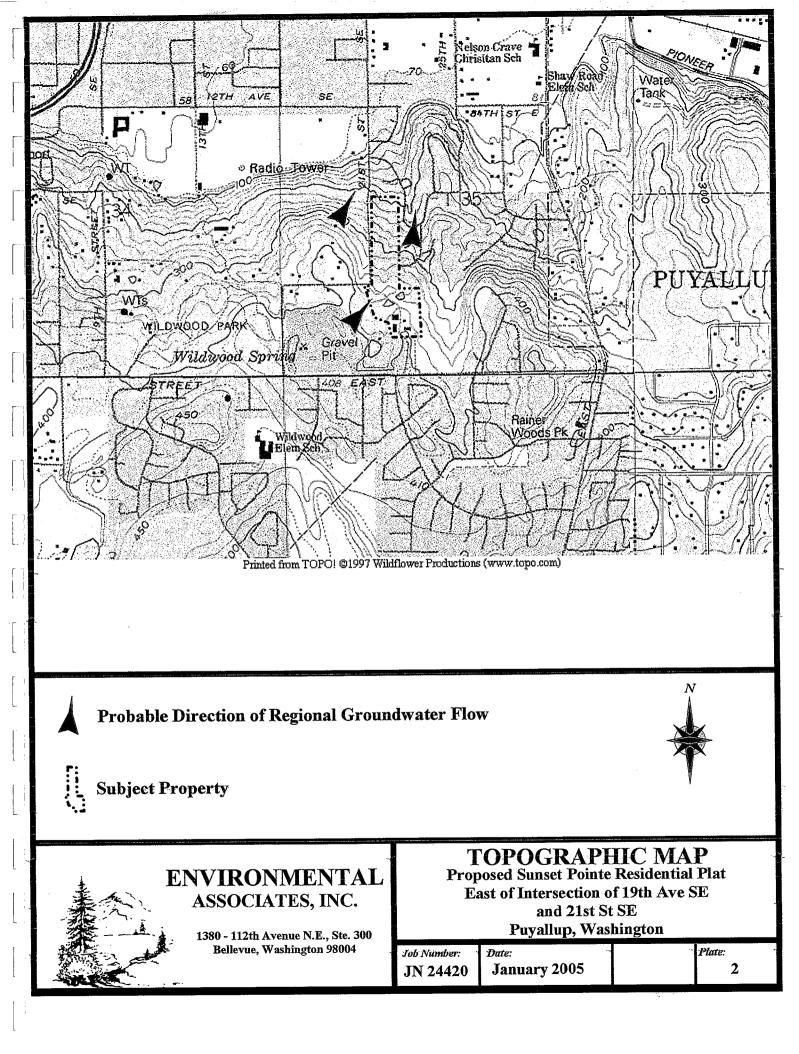
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- Jones, M.A., 1999, Geological Framework for The Puget Sound Aquifer System, Washington and British Columbia, USGS, Professional Paper 1424-C, plate 11.

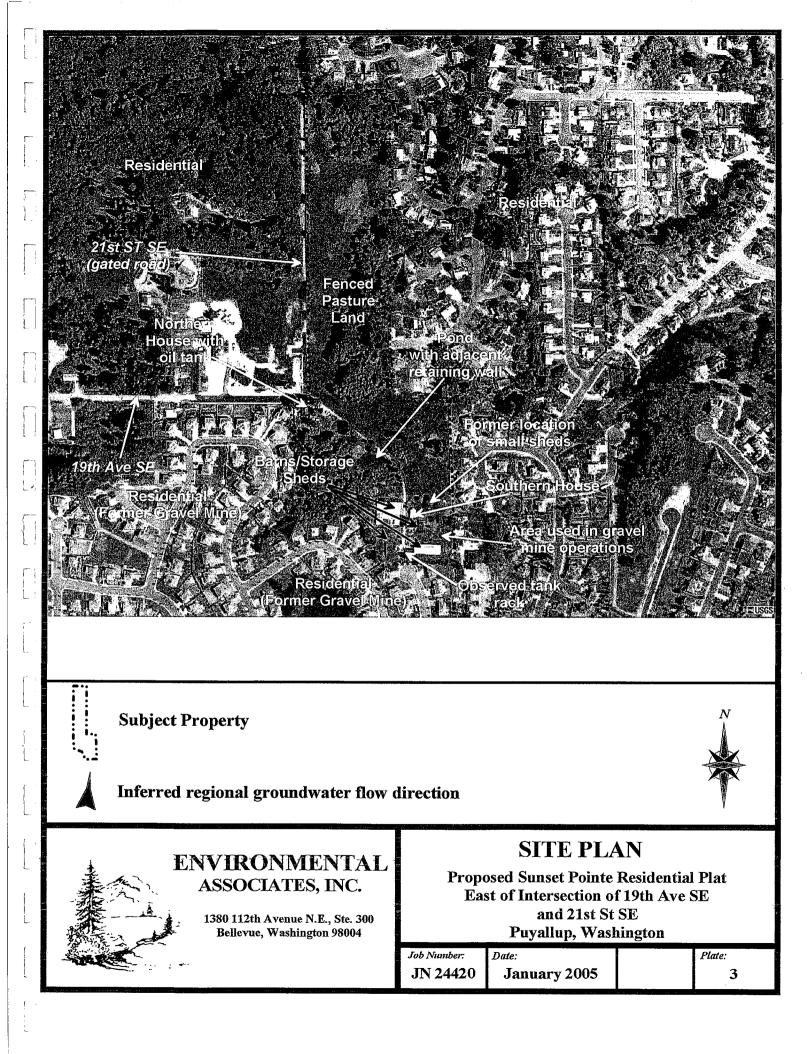
Thomas Brothers Map Co., 1995, The Thomas Guide: King/Pierce/Snohomish Counties.

- 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.







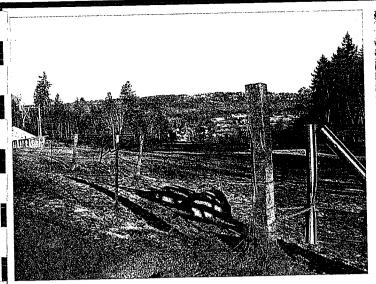


Photo 1: Pasture land on northern portion of the site, as viewed from subject property driveway.

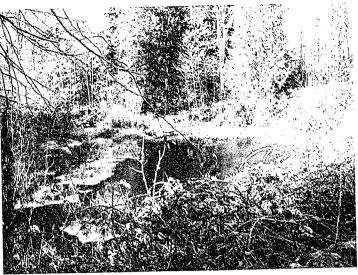


Photo 2: Pond located on southern portion of site. Retaining wall constructed with battery casings is located on northern portion of pond, near location where photo taken from.

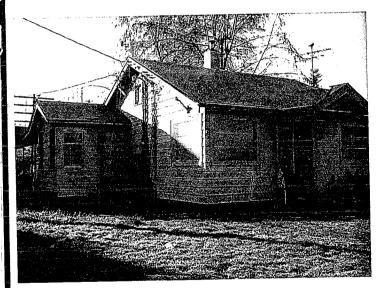
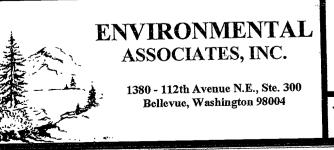


Photo 2: Southern house on subject property. Wood window, door, and other trim painted with a lead containing finish. Siding is aluminum. Lead not detected on siding finish.



Photo 4: Example of barn/storage sheds located on southern portion of site as well as types of refuse accumulated in this area.



SITE PHOTOGRAPHS

Proposed Sunset Pointe Residential Plat East of Intersection of 19th Ave SE and 21st St SE Puvallup, Washington

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Job Number:	Date:		Plate:	
JN 24420	January 2005		4	
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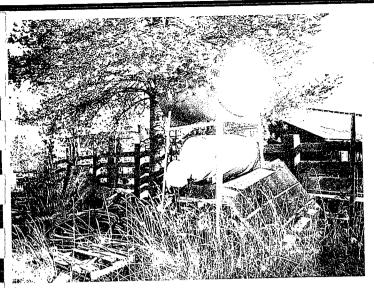


Photo 1: Steel rack containing multiple tanks/drums on southern portion of property. Bottom of lower left drum noted to be rusted out. No staining, odors, or disturbed vegetation noted under tanks.

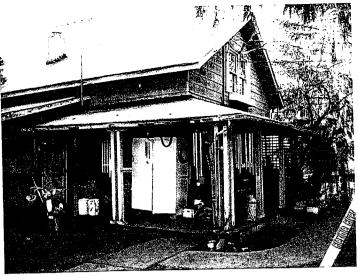


Photo 2: Northern house observed on subject site. Siding is asphaltic shingle material.

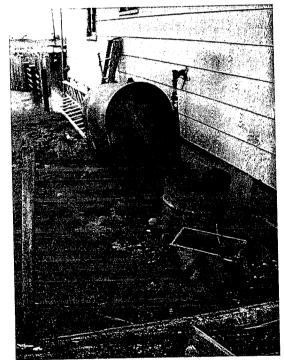


Photo 3: Heating oil tank observed adjacent to southern wall of northern house. Tank appeared to be in good condition.

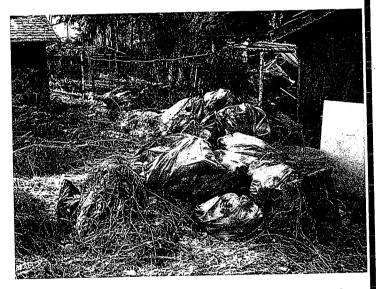
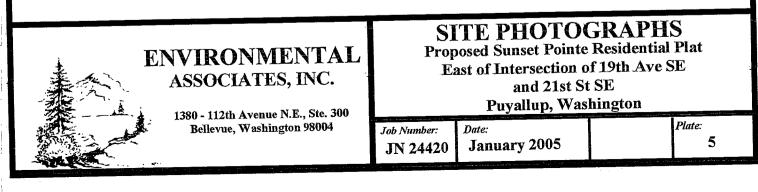


Photo 4: Household refuse noted in the vicinity of northern house on site.



APPENDIX A

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Environmental Database Report

APPENDIX A

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Environmental Database Report

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TARGET PROPERTY:

2100 19 SE AVE

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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 AVEPUYALLUP WA 98372

FirstSearch Summary

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RCRA TSD Y		0.50	0	0	0	0	-	0	0	
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Federal Wells N	05-19-03	0.50	-		-	-	· _	· · _	-	1. A.
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Site Information Report

Request Date: Requestor Name: Standard: 12-30-04 Derek Pulvino ASTM Search Type: Job Number: COORD 24420

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TARGET ADDRESS: 2100 19 SE AVE PUYALLUP WA 98372

Demographics

Sites:	0	Non-Geocoded: 0	Population:	NA
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Comment:

Additional Requests/Services

Code City Name ST Dist/Dir Sel	Requested? Date
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	Aerial Photographs No
	Topographical Maps No
	City Directories No
	Title Search No
	Municipal Reports No

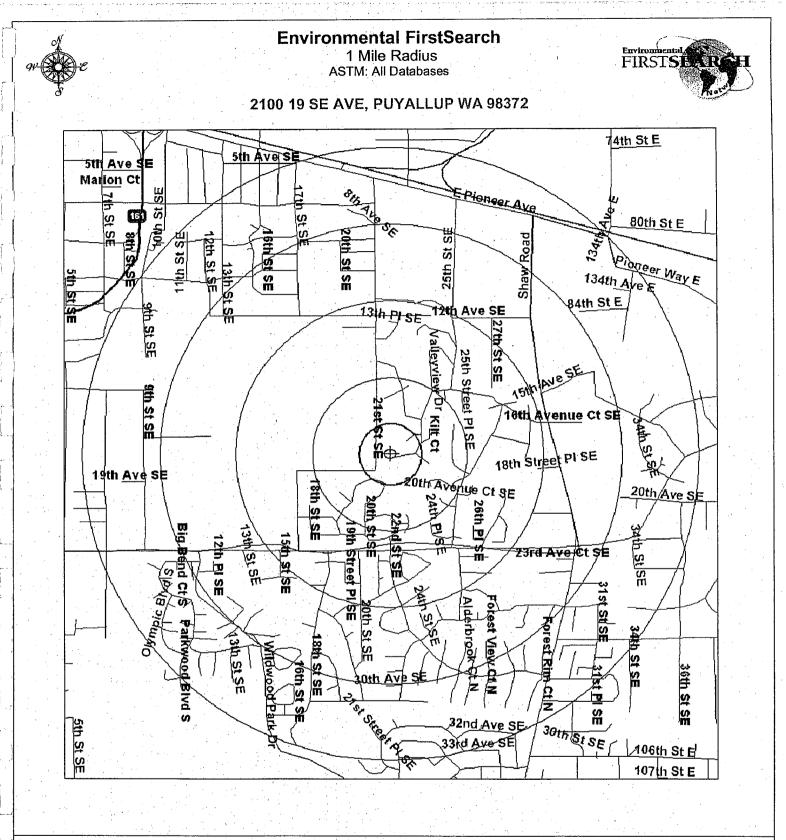
Environmental FirstSearch Site Detail Report

TARGET SITE:2100 19 SE AVE
PUYALLUP WA 98372

JOB: 24420

No sites were found!

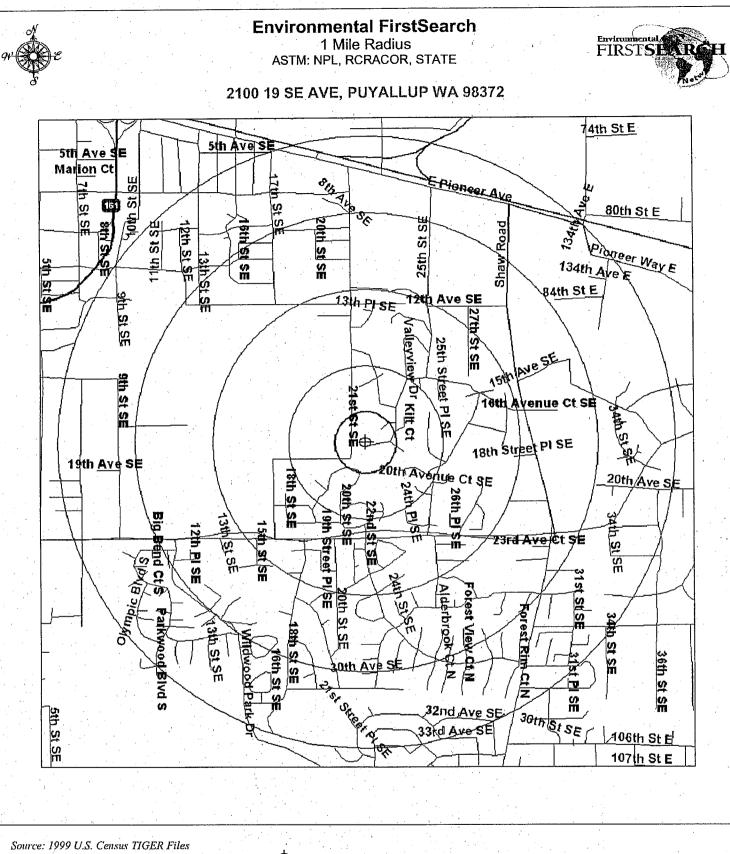
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Source: 1999 U.S. Census TIGER Files
Target Site (Latitude: 47.174193 Longitude: -122.265653)
Identified Site, Multiple Sites, Receptor

Black Rings Represent 1/4 Mile Radii; Red Ring Represents 500 ft. Radius



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Source: 1999 U.S. Census TIGER Files
Target Site (Latitude: 47.174193 Longitude: -122.265653)
Identified Site, Multiple Sites, Receptor

Black Rings Represent 1/4 Mile Radii; Red Ring Represents 500 ft. Radius

APPENDIX B

AHERA Certification Documents

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raining Bremerton, Washington 98311 (360) 692-5925 J&J040929-MPR-01 550 NW Fairwood Way J&J Associates ACCREDITATION NO. AHERA MANAGEMENT PLANNER REFRESHER has attended and successfully completed the in accordance with 40 CFR Part 763, Subpart E, Appendix C on this 29th day of September 2004 at Bellevue Washington J&J Associates is pleased to certify that Valid through September 29, 2005 **Don Spencer** ertificate COURSE INSTRUCTOR FRAINING DIRECTOR άU

Bremerton, Washington 98311 (360) 692-5925 550 NW Fairwood Way **J&J Associates**

ACCREDITATION NO.

COURSE INSTRUCTOR

J&J040929-BIR-07

Valid through September 29, 2005

at Bellevue Washington

AHERA BUILDING INSPECTOR REFRESHER

in accordance with 40 CFR Part 763, Subpart E, Appendix C on this 29th day of September 2004

has attended and successfully completed the

J&J Associates is pleased to certify that

Don Spencer

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Certificate of Completion

4 hours of refresher training as an has satisfactorily completed Derek B. Pulvino This is to certify that

Asbestos Building Inspector

亚多也点 Title II / 40 CFR 163 (贸扬世讯组) to comply with the training requirements of

SAFETY - TRAINING - INDUSTRIAL HYGIENE

Certificate Number 1010794

Provider Cert. Number: MO9907012

Expiration Date: Aug 25, 2005

Date(s) of Training Exam Score: NA

Aug 25, 2004

Argus Pacific, Inc. • 1900 W. Nickerson, Suite 315 • Seattle, Washington • 98119 • (206) 285.3373 • fax (206) 285.3927

APPENDIX C

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EPA PCB Guidance Document

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.

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY John Engler, Governor Russell J. Harding, Director www.deg.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

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EPA has these recommendations for anyone with fluorescent light ballast leaking PCBs:

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.

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.

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.

Remove the fluorescent lamp.

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.

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.

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

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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

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APPENDIX D

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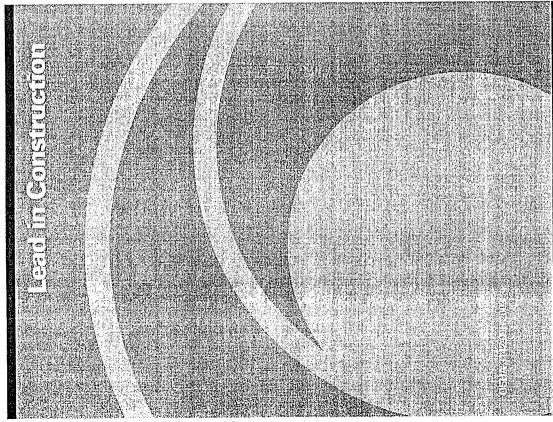
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OSHA 3142 - Lead In Construction





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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Lead in Construction

[[U.S. Department of Labor

Occupational Safety and Health Administration

OSHA 3142-09R 2003

Contents

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Construction Workers and Lead Exposure...5

OSHA's Lead Standard...6

Employer Responsibilities...8

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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;
- Mervous irritability;
- Hyperactivity;

- WILW OBILE GOV
- 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 writting before treatment of potential consequences and allowed to obtain a second opinion.

OSHA View Costen Book	abatement; plumbing; heating and air conditioning maintenance and repair; electrical work; and carpentry, renovation, and remodel- ing 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 resi- dential 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; 	 Kivet 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; Provide a provide a provide	 Fower toor creating with used concedent 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, induction metallic lead all increasic lead commonds and organic
OSHA 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 hans the use of lead-based baint 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 costings 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, nowever, may involve removing or stripping substantial quantities of lead-based paints on large bridges and other structures.	Workers potentially at risk for lead exposure include those

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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.

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- 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

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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 leadcontaining 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 OSHAapproved 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/df; 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:

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Manual demolition of structures such as dry wall, manual scraping, manual sanding, and use of a heat gun where leadcontaining coatings or paints are present;

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- 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 torchburning 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, or may result in employees 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. 2

* 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.

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The employer must instruct the physician that findings, including ab 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-

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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.

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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;

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OSHA MORANIA M	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 accor- dance 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 cor- rective measures to eliminate such problems. The employer should, as needed, consult a qualified safety and health professional to develor 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 ventila-	tion, 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	Collection sin outso of outso accounts in the parts of the parts of the second sin outso accounts and the second
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OSHA MGRADIAN	 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; 		DOCUMENTS FOR EMPLOYEES. SUBJECT TO MEDICAL REMOVAL DOCUMENTS FOR EMPLOYEES. SUBJECT TO MEDICAL REMOVAL The employer must maintainfor at least the duration of employ-mentan 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 recordsincluding exposure	monitor-ing, objective data, medical removal, and medical records 17

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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

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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. OSHAs Lead Standard for Construction requires

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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.

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Work clothing must not be worn away from the jobsite. Under		END-OF-DAY PROCEDURES
no crounstances should lead-contaminated work clothes be laundered at home or taken from the worksite, except to be laundered professionally or for disposal following applicable		Employers must ensure that workers who are exposed to lead above the permissible exposure limit follow these procedures at the end of their workday:
federal, state, and local regulations.		Place contaminated clothes, including work shoes and personal
SHOWERS AND WASHING FACILITIES	•	protective equipment to be cleaned, laundered, or disposed of,
When feasible, showers must be provided for use by employees whose airborne exposure to lead is above the permissible exposure		 Take a shower and wash their hair. Where showers are not
limit so they can shower before leaving the worksite. Where showers are provided employees must change out of their work		provided, employees must wash their hands and face at the end of the workshift.
clothes and shower before changing into their street clothes and		change into street clothes in clean change areas.
leaving the worksite. If employees do not change into clean	• • •	Durbankina Plathina and Eaninmant
clothing before leaving the worksite, they fillay containing their bornes and automobiles with lead dust extending their exposure		
and exposing other members of their household to lead.	-	EMPLOYER REQUIREMENTS
In addition, employers must provide adequate washing facilities		Employers must provide workers who are exposed to lead above the PEL or for whom the possibility of skin or eve irritation
for their workers. These facilities must be close to the worksite and	•	exists with clean, dry protective work clothing and equipment that
rurnished with water, soep, and used towers so unproyect out remove lead contamination from their skin.		are appropriate for the hazard. Employers must provide these items
Contaminated water from washing facilities and showers must		equipment used on construction sites includes:
be disposed of in accordance with applicable local, state, or tederal		 Coveralls or other full-body work clothing;
		 Gloves, hats, and shoes or disposable shoe coverlets;
PERSONAL PHACHCES		 Vented goggles or face shields with protective spectacles or
The employer must ensure that employees do not enter hunchronm facilities or eating areas with protective work clothing or		goggles;
entitimment unless surface lead dust has been removed. HEPA		Welding or abrasive blasting helmets; and
vacuuming and use of a downdraft booth are examples of cleaning		 Respirators.
methods that limit the dispersion of lead dust from contaminated	•	Clean work clothing must be issued daily for employees whose
work clothing.		exposure levels to lead are above 200 µg/m3, weekly if exposures
In all areas where employees are exposed to lead above the PEL,	•	are above the PEL but at or below 200 µg/m3 or where the possibili-
employees must observe the prohibition on the presence and con-		ty of skin or eye irritation exists.
sumption or use of food, beverages, tobacco products, and		HANDLING CONTAMINATED PROTECTIVE CLOTHING
cosmetics. Employees whose airborne exposure to lead is above the PEL must wash their hands and face before eating, drinking,	•	Workers must not be allowed to leave the worksite wearing lead-
		contaminated protective clothing or equipment. This is an essential

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contaminated protective clothing or equipment. This is an essential

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smoking, or applying cosmetics.

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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.

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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 highexposure 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;

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- 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 continuousflow 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

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QSHA Anteriore	 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: MARNING	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' mean- ing are prohibited. Signs required by other statutes, regulations, or ordinances, however, may be posted in addition to, or in combina- tion 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, strate plans, worknace consultations, voluntary protection programs, strategic	partnerships, alliances, and training and education. An overall com- mitment 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 inno-	vation and creativity and result in increased performance and higher productivity. The key to a safe and healthful work environ- ment 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	30
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OSHA	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 tothe requirements for warning signs and labels, material safety data sheets (MSDSs), and employee information	and unanimity where to 20 of the second	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 	3

OSHA awards grants to nonprofit organizations to provide safety ships build cooperative relationships with groups of employers and and health training and education to employers and workers in the OSHA Strategic Partnerships are agreements among labor, man-Education, 2020 Arlington Heights Rd., Arlington Heights, IL 60005; agement, and government to improve workplace safety and health. basic and advanced training and education in safety and health for egories: training and education; outreach and communication; and promotion of the national dialogue on workplace safety and health. workplace. Grants often focus on high-risk activities or hazards or the partners to eliminate serious workplace hazards and achieve a For more information about this program, contact your nearest These partnerships encourage, assist, and recognize the efforts of workers and employers for the training, and conduct the training. Grantees are also expected to follow up with students to find out The OSHA Training Institute in Arlington Heights, Ill., provides between OSHA and individual worksites, most strategic partner-Consultation Program and VPP entail one-on-one relationships For more information contact OSHA Office of Training and federal and state compliance officers, state consultants, other may help nonprofit organizations in training, education, and addresses a safety and health topic named by OSHA, recruit OSHA expects each grantee to develop a program that OCCUPATIONAL SAFETY AND HEALTH TRAINING high level of worker safety and health. Whereas OSHA's federal agency personnel, and private-sector employers, STRATEGIC PARTNERSHIP PROGRAM how they applied the training in their workplaces. TRAINING GRANTS employees, and their representatives. OSHA office or visit our website. or call (847) 297-4810. employees. **©SHA** outreach. 34 8 building on existing relationships with OSHA through other cooperand meet a set of short- and long-term goals that fall into three catworker deaths, injuries, and illnesses. This is especially true when a There are few formal program requirements for alliances, which ships with employers, employees, and unions can be a useful alter-**OSHA** OSHA and the participating organizations must define, implement, grammed inspections. OSHA does, however, handle any employee OSHA has learned firsthand that voluntary, cooperative partner-Alliances are open to all, including trade or professional organicomplaints, serious accidents, or significant chemical releases that agreements do not include an enforcement component. However, Additional information on VPP is available from OSHA regional comprehensive workplace safety and health management system. zations, businesses, labor organizations, educational institutions, and government agencies. In some cases, organizations may be native to traditional enforcement and an effective way to reduce Alliances enable organizations committed to workplace safety Ilnesses in the workplace. OSHA and its allies work together to reach out to, educate, and lead the nation's employers and their are less structured than other cooperative agreements, and the may occur at VPP sites according to routine enforcement procepartnership leads to the development and implementation of a Sites participating in VPP are not scheduled for regular, proemployees in improving and advancing workplace safety and offices listed at the end of this booklet. Also, see "Cooperative operating effectively. OSHA conducts onsite evaluations on a and health to collaborate with OSHA to prevent injuries and COOPERATIVE PARTNERSHIPS ALUANCE PROGRAM Programs" on OSHA's website. ative programs. regular basis.

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nealth.

SHA	OSHA Regional Offices	Region I (CT,* ME, MA, NH, RI, VT*)	s and fife	Region II (NJ, * PR, * VI*) 2021 (X-14: K-14-14: 10-14: 10-14: 10-14: 10-14: 10-14: 10-14: 10-14: 10-14: 10-14: 10-14: 10-14: 10-14: 10-14:	201 Varies Street, nouti 0/0 New York, NY 10014 (212) 337-2378	r, DC 20210. Telephone (202) 693- (DE, DC, MD,* PA,* VA,* WV) (816) 426-5861	Erpretations, The Curtis Center F 170 S. Independence Mall West (Suite 740 West		H I NINT	TN*) Atlanta Federal Center 61 Forsyth Street SW, Room 6T50 Atlanta, GA 30303 (404) 562-2300	plaint online and get more infor- e programs by visiting OSHA's (IL, IN,* MI,* MN,* OH, WI) (AK,* ID, OR,* WA*) 230 South Dearborn Street, 1111 Third Avenue, Suite 715 Room 3244 Seattle, WA 98101-3212 Chicago, IL 60604 (206) 553-5930 (312) 353-2220	*These states and territories operate their own OSHA-approved job safety and health programs (Connecticut, New Jersey, and New York plans cover public amployees 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.
		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, OL PRIORE (2021 OLS 1000). IN MARE DE AN EMERGENICY OR TO FILE A COM	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 tele-typewriter (TTY) number is (877) 889-5627.	Employees can also file a complaint online and get mation on OSHA federal and state programs by visitin website at www.osha.gov.		

APPENDIX E

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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 Estonville, WA 98328 Attn: Chad Gilliardi

PD CC 006557 P.O.#: Ottinger Project: Client ID: Wall Soil Sample Matrix: 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 só/miñ

CITY OF PUYALLUP

ENVIRONMENTAL CHECKLIST

Action:		

Receipt:		
itecopt.		

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:	429-29 th Street NE, Suite D Puyallup, WA 98371
Phone:	(253) 848-4282
Location of Project: City of Puyallup, Pierce County, Washington	
Address:	2301 23 rd 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. <u>AIR</u>

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 offsite 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:

 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):
 - 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. <u>PLANTS</u>

- a. Check the type(s) of vegetation found on the site:
 - <u>X</u> Deciduous tree:
 - <u>X</u> 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. <u>ANIMALS</u>

a. <u>List</u> any birds and <u>other</u> 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. <u>ENVIRONMENTAL HEALTH</u>

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.

 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.

1. 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. <u>HOUSING</u>

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. <u>AESTHETICS</u>

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 singlefamily 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. <u>RECREATION</u>

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:	
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: Och Name of Signee: Dawn Markakis

Position and Agency/Organization:

10-27.2020

Date Submitted:

APPENDIX

Table of Contents

EXHIBIT

Zoning Map	I
Site Plan with Vicinity Map	II
Soil Conservation Service Soil Map	III
Aerial Photo	IV
Legal Description	V
WDFW Map	VI

CITY OF PUYALLUP ENVIRONMENTAL CHECKLIST

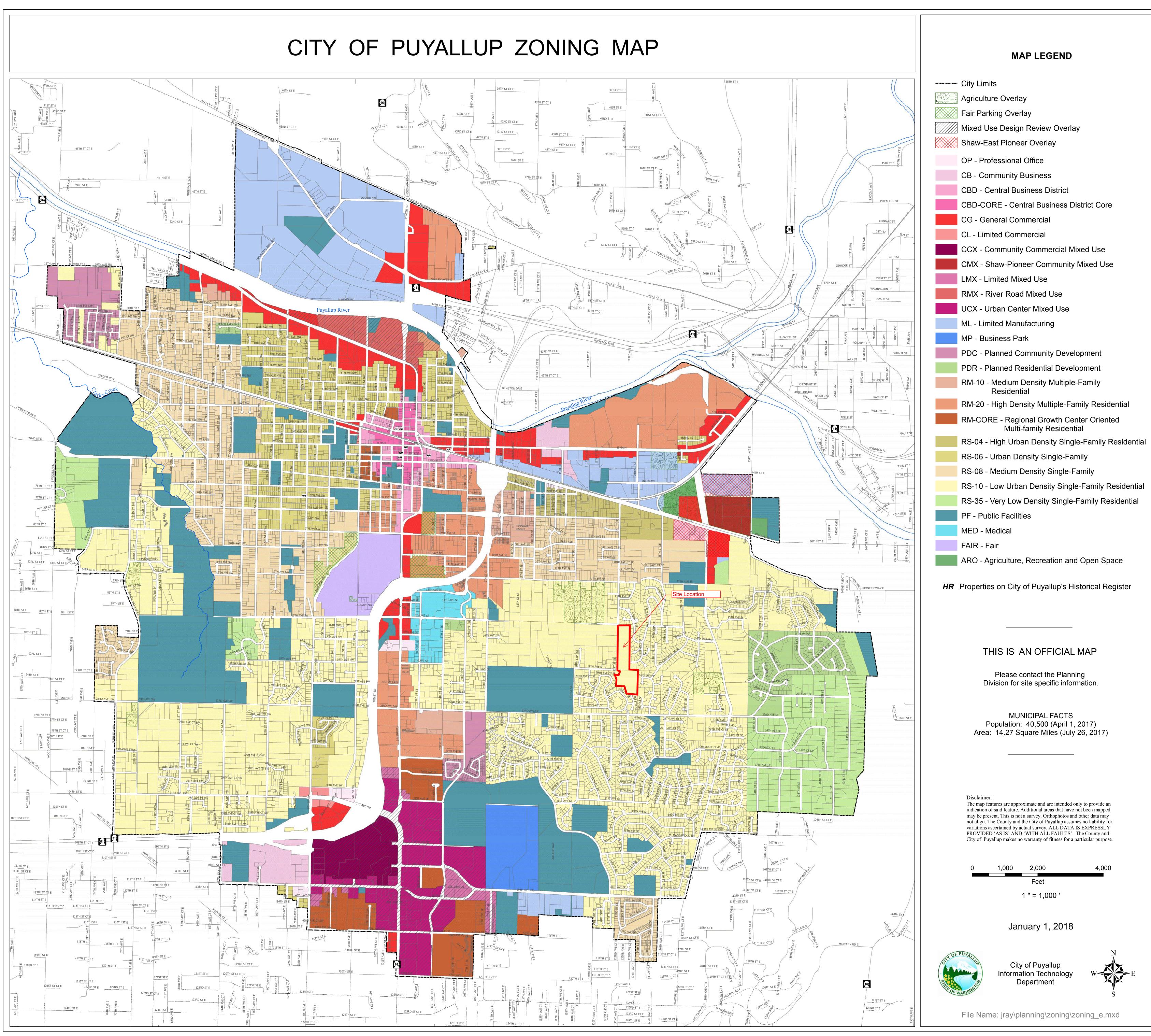
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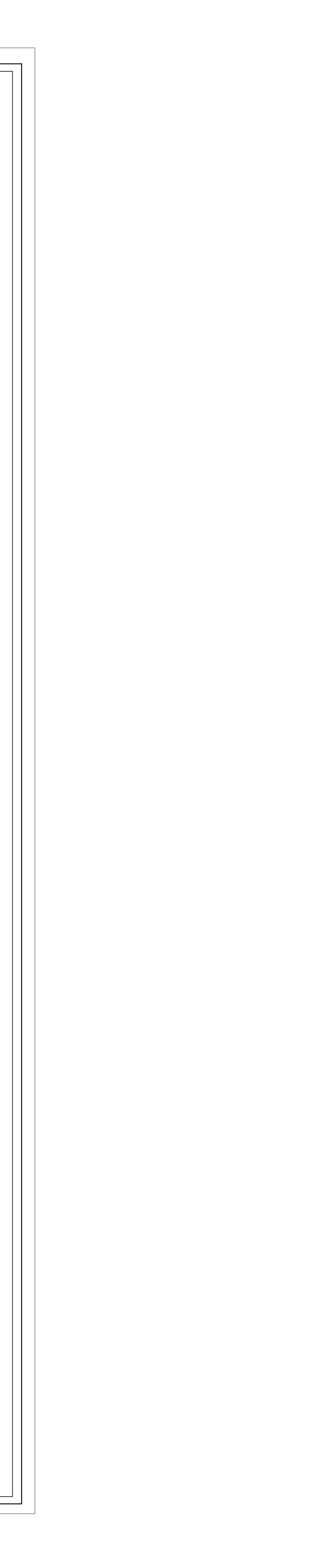
Sunset Pointe

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





LEGAL DESCRIPTION

PARCEL C:

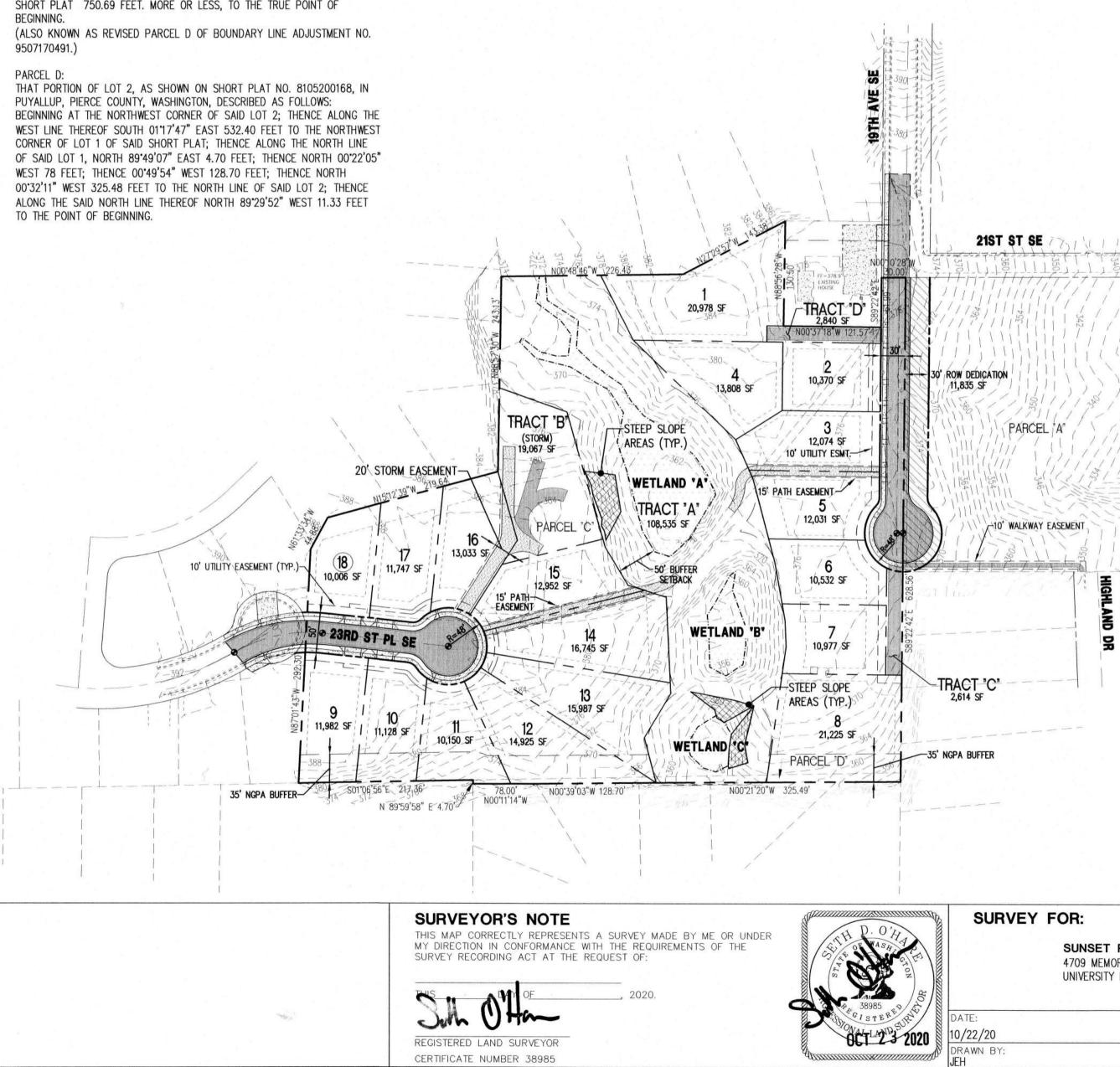
THAT PORTION OF THE SOUTHWEST QUARTER OF SECTION 35, TOWNSHIP 20 NORTH, RANGE 4 EAST, W.M., MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCING AT THE SOUTHWEST CORNER OF THE SOUTHWEST QUARTER OF SAID SECTION 35; THENCE EAST ALONG THE SOUTH LINE THEREOF A DISTANCE OF 1974.60 FEET: THENCE NORTH 01'06'54" 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

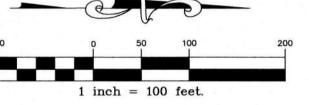
SUNSET POINTE PRELIMINARY PLAT

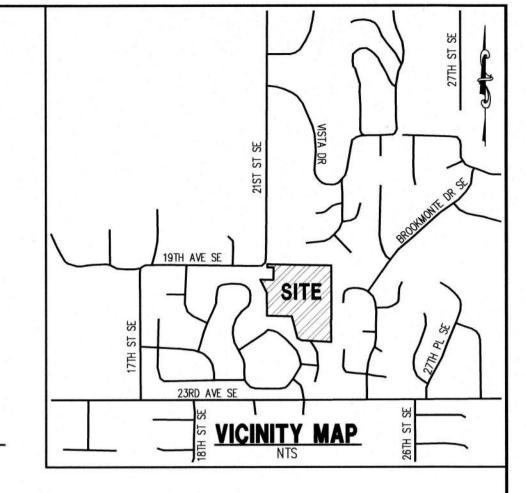
A PORTION OF SW 1/4, SEC. 35, TWP 20N, RNG 4E WILLAMETTE MERIDIAN, PUYALLUP, WASHINGTON

SHEET INDEX

- P1 PRELIMINARY PLAT
- P2 UTILITY PLAN
- **P3 ROAD PROFILES**
- **P4 BOUNDARY & TOPOGRAPHIC SURVEY**
- LS1 LANDSCAPE PLAN







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
FELEPHONE:	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: SITE AREA PER PARCEL: 0420353027: 0420357011:

EXISTING ZONING: LOTS PROPOSED: MAX. DENSITY:

SETBACKS: MIN. LOT AREA: MIN. LOT WIDTH: MIN. LOT DEPTH: MAX. BUILDING HEIGHT: MIN. FRONT YARD SETBACK: MIN. REAR YARD SETBACK: MIN. SIDE YARD SETBACK: MIN. SIDE STREET SETBACK: MAX. FLOOR AREA RATIO:

MAX. LOT COVERAGE:

399,711 SF (9.18 ACRES) 395,476 SF (9.08 ACRE) 4,235 SF (0.10 ACRE)

RS-10 (LOW URBAN DENSITY SFR) 15

4 DU/AC

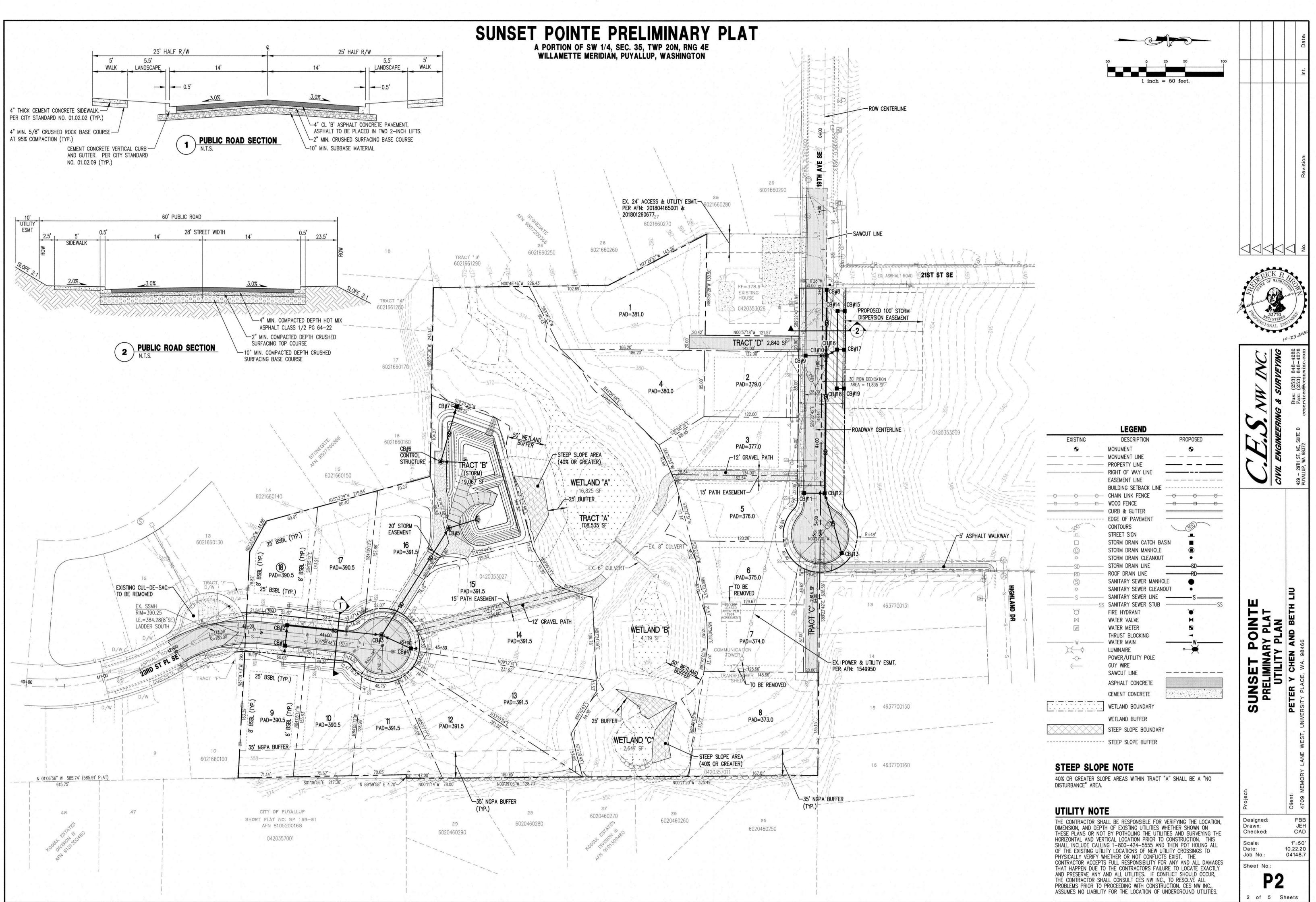
10,000 SF 75' 100' 36' 25' 25' SUM OF 16' BUT NOT LESS THAN 5' 15' .45:1 40%

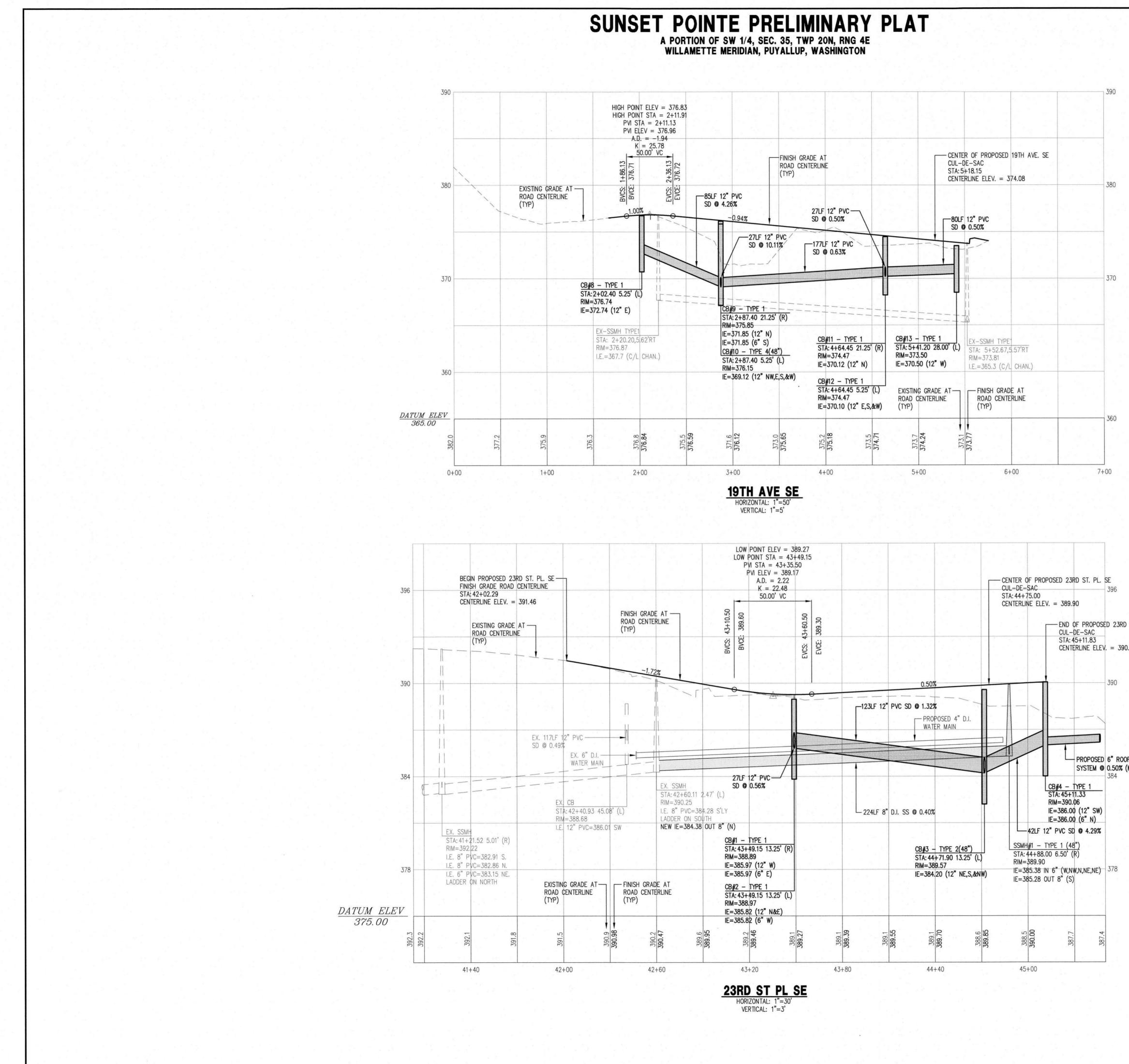
SUNSET POINTE 4709 MEMORY LANE WEST UNIVERSITY PLACE, WA. 98466 JOB NO: 429 29th St. N.E. Suite D 04148.7 PUYALLUP, WA 98372 DRAWING NAME: 04148.7-P1.DWG

SHEET 1 OF 5

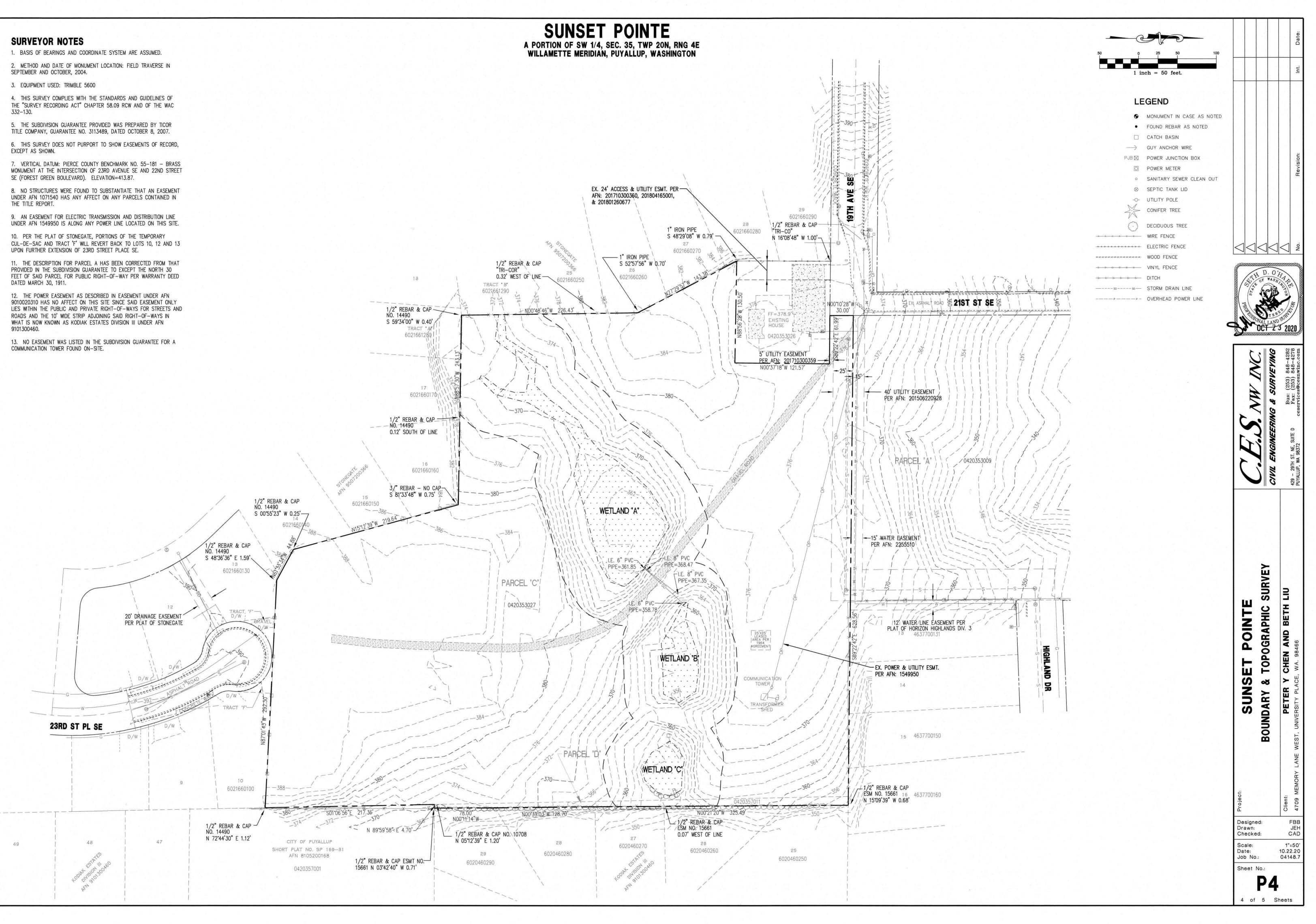


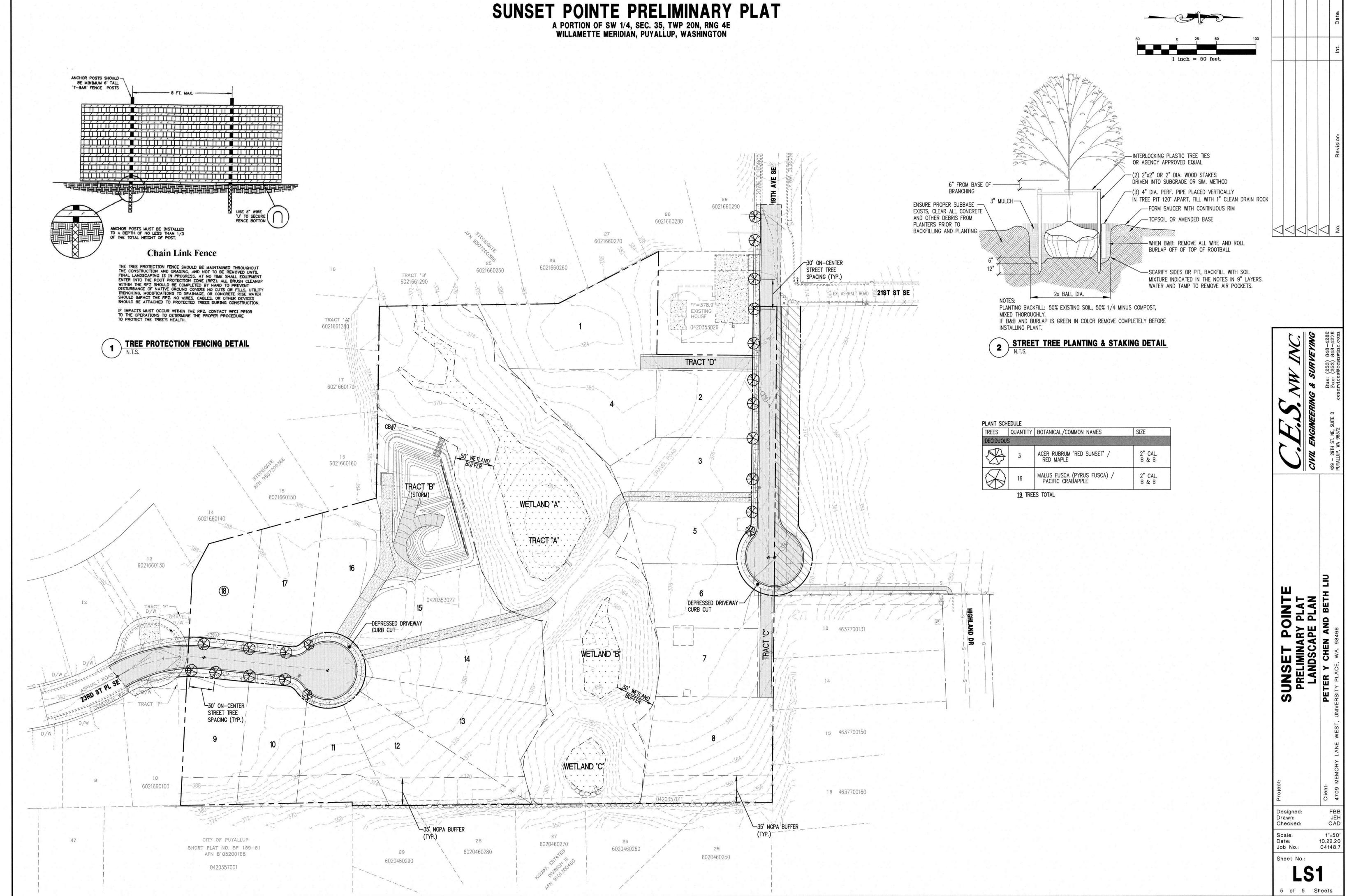
BUS: (253) 848-4282 FAX: (253) 848-4278





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		Revision:
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	SUNSET POINTE PRELIMINARY PLAT ROAD PROFILES	PETER Y CHEN AND BETH LIU WEST, UNIVERSITY PLACE, WA. 98466
	ii o o o d Designed: Drawn: Checked: Scale: AS Date: Job No.: Sheet No.:	Client: Client: CHD SHOWN 10.22.20 04148.7





TREES	QUANTITY	BOTANICAL/COMMON NAMES	SIZE
DECIDUOU	S		
	3	ACER RUBRUM 'RED SUNSET' / RED MAPLE	2" CAL. B & B
	16	MALUS FUSCA (PYRUS FUSCA) / PACIFIC CRABAPPLE	2"CAL. B & B

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NW INC.	ENGINEERING & SURVEVING ST. NE, SUITE D Bus: (253) 848-4282 A 98372 ceservices@cesnwinc.com	
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Project: SUNSET POINTE PRELIMINARY PLAT	Client: PETER Y CHEN AND BETH LIU	
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Sheet No.: LS 5 of 5	Sheets	



National Cooperative Soil Survey

Conservation Service

MAP LEGEND			MAP INFORMATION	
Area of Intere	est (AOI)		Spoil Area	The soil surveys that comprise your AOI were mapped at
A	Area of Interest (AOI)	۵	Stony Spot	1:24,000.
Soils		â	Very Stony Spot	Warning: Soil Map may not be valid at this scale.
	oil Map Unit Polygons	Ŷ	Wet Spot	Enlargement of maps beyond the scale of mapping can cause
	oil Map Unit Lines		Other	misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of
-	oil Map Unit Points		Special Line Features	contrasting soils that could have been shown at a more detailed
Special Poi		Water Fea		scale.
•	lowout orrow Pit	~	Streams and Canals	Please rely on the bar scale on each map sheet for map
		Transport	ation	measurements.
~	lay Spot	+++	Rails	Source of Map: Natural Resources Conservation Service Web Soil Survey URL:
~	losed Depression	~	Interstate Highways	Coordinate System: Web Mercator (EPSG:3857)
6.3	iravel Pit	~	US Routes	Maps from the Web Soil Survey are based on the Web Mercato
🔹 G	aravelly Spot	\sim	Major Roads	projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the
🔇 La	andfill	\sim	Local Roads	Albers equal-area conic projection, should be used if more
A. La	ava Flow	Backgrou	Ind	accurate calculations of distance or area are required.
M <u>مل</u>	larsh or swamp	Mar.	Aerial Photography	This product is generated from the USDA-NRCS certified data of the version date(s) listed below.
😤 M	line or Quarry			Soil Survey Area: Pierce County Area, Washington
0 M	liscellaneous Water			Survey Area Data: Version 12, Sep 7, 2017
O P	erennial Water			Soil map units are labeled (as space allows) for map scales
V R	ock Outcrop			1:50,000 or larger.
+ Si	aline Spot			Date(s) aerial images were photographed: Jul 8, 2014—Jul 1 2014
°.° Sa	andy Spot			The orthophoto or other base map on which the soil lines were
es Se	everely Eroded Spot			compiled and digitized probably differs from the background
👌 Si	inkhole			imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.
≽ si	lide or Slip			
ß Se	odic Spot			



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

USDA

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

USDA

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)

USDA

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

Hydric soil rating: No

Minor Components

Bellingham

Percent of map unit: 3 percent Landform: Depressions

USDA

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

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

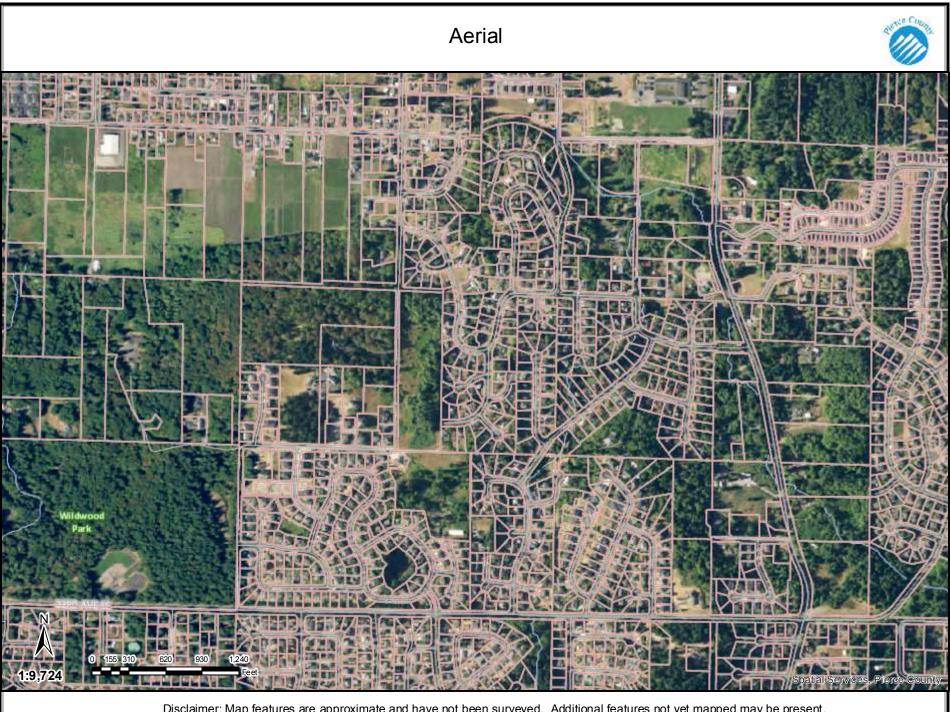
Bow variant

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





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;

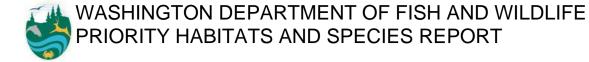
THENCE ALONG THE NORTH LINE OF SAID LOT 1, NORTH 89°49'07" EAST 4.70 FEET;

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.



SOURCE DATASET: PHSPlusPublic REPORT DATE: 03/12/2018 11.10 Query ID: P180312111032

Common Name Scientific Name	Site Name Source Dataset Source Record	Priority Area Occurrence Type More Information (URL)	Accuracy	Federal Status State Status PHS Listing Status	Sensitive Data Resolution	Source Entity Geometry Type
Notes	Source Date	Mgmt Recommendations		-		

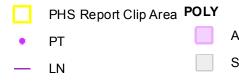
DISCLAIMER. This report includes information that the Washington Department of Fish and Wildlife (WDFW) maintains in a central computer database. It is not an attempt to provide you with an official agency response as to the impacts of your project on fish and wildlife. This information only documents 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 necessary 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.

03/12/2018 11.10

WDFW Test Map



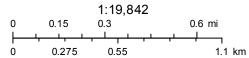
March 12, 2018



AS MAPPED	
SECTION	

QTR-TWP

TOWNSHIP



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Distribution

ES-5559.06

EMAIL ONLYMr. Peter Chen4709 Memory Lane WestUniversity Place, Washington 98488