

TERRA ASSOCIATES, Inc.

Consultants in Geotechnical Engineering, Geology
and
Environmental Earth Sciences

September 12, 2022
Project No. T-8565

Mr. Tyler Litzenberger
Vector Development Company
11335 Northeast 122nd Way, Suite 105
Kirkland, Washington 98034

Subject: Critical Aquifer Recharge Areas Evaluation
Freeman Logistics
Freeman Road East and 19th Avenue Northwest
Pierce County, Washington

Reference: Geotechnical Report, Freeman Logistics, Project No. T-8565,
prepared by Terra Associates, Inc., dated August 11, 2021, revised July 11, 2022

Dear Mr. Litzenberger:

As requested, we performed an aquifer recharge and wellhead protection area review of the subject site. The purpose of our study was to determine if the site is located within the boundaries of aquifer recharge areas or wellhead protection areas as defined in Pierce County Code (PCC) Chapter 18E.50.020 (Aquifer Recharge and Wellhead Protection Areas) and the City of Fife Municipal Code (FMC) Chapter 17.07.030 (Applicability), and to conduct a hydrogeologic assessment of the site in accordance with the requirements of PCC 18E.50.030.B (Aquifer Recharge and Wellhead Protection Area Review Procedures, Hydrogeologic Assessment) and FMC 17.07.040 (Surface Area – Hydrogeologic Assessment).

The site is located within the boundaries of an aquifer recharge area per the defining criteria given in PCC 18E.50.020.B.1 and FMC 17.07.030, and four wellhead protection areas per the defining criteria given in PCC 18E.50.020.C. Review of the Washington State Department of Health (WSDOH) Source Water Assessment Program (SWAP) interactive GIS mapping tool (<https://fortress.wa.gov/doh/swap/index.html>) shows the site overlain by the 1-year, 5-year, and 10-year time-of-travel zones of Group A water systems identified as Eggimann-664 and the Schenk Water System, as well as by the 10-year time-of-travel zone of the Group A water system identified as Cherrywood Mobile Home Manor. The site is also overlain by the TOT zone for the Group B water system identified as the Hayes Water System. The position of the site relative to the time-of-travel plots of these systems is shown on Figure 1. The SWAP map shows the site within the boundary of the Puyallup-White Watershed.

SITE DESCRIPTION

The site is an approximate 21-acre assemblage of 13 parcels located northeast of and adjacent to the intersection of Freeman Road East and 19th Avenue Northwest in Pierce County, Washington. The approximate site location is shown on Figure 2.

Existing site improvements include single-family residences, outbuildings, and land used for agricultural purposes throughout the site. Only one parcel in the northern-central portion of the site is vacant. Review of property information on the Pierce County Public GIS (PCPGIS) interactive mapping tool (<https://matterhornwab.co.pierce.wa.us/publicgis/>) showed no documentation of the residential heating sources. A domestic water well is located near the west-central margin of the eastern parcel.

The site is situated on the northern portion of the Puyallup River alluvial plain. The channel of the northwest-flowing Puyallup River is located approximately 885 feet south of the site's southwestern corner. Site topography is relatively flat across the vast majority of the site. Surface elevations shown on the PCPGIS website generally range between about Elev. 32 and Elev. 34.

The PCPGIS shows several environmentally-significant surface features located within 1,300 feet of the site. The type of surface feature and general direction and distance from the site are given below: The approximate location of each surface feature relative to the site is shown on Figure 3.

Type of Feature	Feature ID	Distance (feet) ¹	Direction
Wetland ²	WL1	913	N-Upgradient
	WL2	746	E-Crossgradient
	WL3	92	S-Downgradient/Crossgradient
	WL4	1,299	NE-Upgradient
Regulated Floodplain	RFP1	Onsite	NA
	RFP2	68	S-Downgradient/Crossgradient
	RFP3	800	S-Downgradient/Crossgradient
	RFP4	1,191	SW-Downgradient
	RFP5	1,205	SW-Downgradient
	RFP6	110	SW-Downgradient
	RFP7	136	NW-Crossgradient
	RFP8	1,086	N-Upgradient
	RFP9	1,215	NW-Crossgradient
Floodway	FW1	38	S-Downgradient/Crossgradient
	FW2	1,108	N-Upgradient
	FW3	1,219	SW-Downgradient
Water Body	WB1	204	S-Downgradient/Crossgradient
Stream	STRM1	5	E-Crossgradient
	STRM2	1,585	N-Upgradient
1 – Distance from site perimeter to closest edge of feature.			
2 – Delineated wetland area per Pierce County Wetland Inventory.			

We evaluated site conditions for the presence of geologically hazardous areas as part of our draft geotechnical engineering study of the site. As discussed in Section 4.2 of the referenced geotechnical report, the site can be classified as a liquefaction hazard area, as defined in Title 18E of the PCC.

PROJECT DESCRIPTION

We understand the proposed project is an industrial development consisting of several warehouse-style building and associated paved access, parking, and stormwater improvements. Site plans were not available at the time of this report.

SUBSURFACE CONDITIONS

Soils

We explored subsurface conditions at the site by excavating 28 test pits to depths of about 8.5 to 13 feet using a track-mounted excavator. We also advanced 5 cone penetration tests (CPTs) to depths of approximately 55 to 60 feet below existing site grades. The soils observed in the test pits and as indicated by the CPT data are alluvial deposits generally consisting of interbedded layers of loose to medium dense silt, fine sand, silty fine sand, and fine sandy silt. Detailed descriptions of the conditions observed in the test pits are presented on the Test Pit Logs in Appendix A. The approximate test pit and CPT locations are shown on Figure 4.

The *Geologic Map of the Tacoma 1:100,000-scale Quadrangle, Washington* by J. E. Schuster, A. A. Cabibbo, J. F. Schilter, and I.J. Hubert (2015) shows the site mapped as Holocene Alluvium (Qa). The native soils observed in our subsurface explorations are generally consistent with this geologic map unit. The referenced geologic map is attached as Figure 5.

Groundwater

Wet soils indicative of groundwater saturation were encountered in the test pits below depths of approximately five to nine feet below existing site grades. Porewater pressure dissipation testing at CPT-1, CPT-3, and CPT-101 indicated static water levels at 5.3 feet, 7.7 feet, and 6.3 feet below existing grades, respectively. The depths to groundwater at the site will fluctuate on a seasonal basis with maximum levels occurring during the wet winter months and spring months. We expect that the groundwater conditions observed in our test pits and CPT dissipation testing from the months of June 2021, July 2021, and June 2022 represent the seasonal low groundwater elevations. The groundwater conditions observed in the test pits excavated during January and March of 2019 are likely more representative of seasonal high groundwater levels.

Based on the site's topography and the locations of the test pits and CPTs, the inferred groundwater levels show an apparent southwestern flow direction. This concurs with the northwestern-flowing Puyallup River located approximately 885 feet southwest of the site and the regional topography descending to the south and southwest.

Hydrogeology

Based on our study, three groundwater regimes are present in the site vicinity. These include a relatively shallow water table aquifer, a confined sand to silty sand aquifer underlying about 24 to 92 feet of soils described as silty sand, silt, and clay, and a confined sand and gravel aquifer underlying about 46 to 210 feet of soils described as silty sand, sandy silt, clay, clay and silt. The documented water wells located within 1,300 feet of the site are completed within a sand and gravel aquifer at depths ranging from approximately 94 to 283 feet below existing grades.

WATER WELL REVIEW

We reviewed well log records available on the Washington State Department of Ecology (DOE) Well Report Viewer website (<https://fortress.wa.gov/ecy/wellconstruction/map/WCLSSWebMap/default.aspx>) for existing water wells located in the site vicinity. Our research of the DOE database identified eleven domestic water well potentially located within a 1,300 foot radius from the site. The approximate locations of the seven documented wells relative to the subject site are shown on Figure 7. The well details and driller's log are attached as Appendix B. Brief summaries of the seven wells identified in the DOE database search are given below:

1. Kindel Well (SE ¼ of SE ¼ of Section 17, Township 20N, Range 4E):

Located approximately 400 feet northeast and apparently upgradient from the subject site. The well address is given as 4521 North Freeman Road. The well is screened in silty sand deposits between depths of 111 feet and 115 feet. The aquifer is overlain by at least 90 feet of soil described as sandy clay and clay. The measured static water level in the well is at a depth of 2.6 feet.

2. Fletcher Well (SW ¼ of SE ¼ of Section 17, Township 20N, Range 4E):

Located approximately 885 feet west and apparently crossgradient from the subject site. The well address is given as 7909 – 48th Street East. The well is screened in medium sand deposits between depths of 95 and 100 feet. The aquifer is overlain by at least 92 feet of soil described as silty clay, silty fine sand, silt and clay, and silt. The measured static water level in the well is at a depth of 4.92 feet.

3. Hoeks Well (NW ¼ of NE ¼ of Section 20, Township 20N, Range 4E):

Located approximately 260 feet west and apparently crossgradient from the subject site. The well address is given as 4802 Freeman Road East. The well is screened in fine to medium sand deposits between depths of 108 feet and 118 feet. The aquifer is overlain by at least 30 feet of soil described as silty sand. The measured static water level in the well is at a depth of 10 feet.

4. Winslow Well (NW ¼ of NE ¼ of Section 20, Township 20N, Range 4E):

Located approximately 170 feet west and apparently crossgradient from the subject site. The well address is given as 4812 Freeman Road East. The well is screened in sand with silt deposits between depths of 110 feet and 115 feet. The aquifer is overlain by at least 37 feet of soil described as clay fine sand and fine silty sand. The measured static water level in the well is at a depth of 14 feet.

5. Sessler Well (SE ¼ of SE ¼ of Section 17, Township 20N, Range 4E):

Located on the subject site. The well address at the time of installation is given as 4723 Freeman Road. However, further investigation indicates the current address of the well location is 2303 N Freeman Rd. The well is screened in coarse sand deposits between depths of 106 feet and 111 feet. The aquifer is overlain by at least 80 feet of soil described as silty fine sand, silty sand, and silt. The measured static water level in the well is at a depth of 7.83 feet.

6. Lyons Well (NE ¼ of NE ¼ of Section 20, Township 20N, Range 4E):

Located approximately 60 feet east and apparently crossgradient from the subject site. The well address at the time of installation is given as 8315 49th Street East. However, further investigation indicates the current address of the well location is 1809 – 22nd Avenue Northwest. The well is screened in sand deposits between depths of 129 feet and 134 feet. The aquifer is overlain by at least 81 feet of soil described as silt and sand layered, and silt. The measured static water level in the well is at a depth of 13.7 feet.

7. Woods Well (NW ¼ of NE¼ of Section 20, Township 20N, Range 4E):

Located approximately 515 feet west and apparently crossgradient from the subject site. The well address is given as 8009 – 50th Street East. The well is screened in silty sand and gravel deposits between depths of 94.2 feet and 98.7 feet. The aquifer is overlain by at least 36 feet of soil described as silty sand. The measured static water level in the well is at a depth of 11.4 feet.

8. Schaaf Well (NW ¼ of NE ¼ of Section 20, Township 20N, Range 4E):

Located approximately 395 feet west and apparently crossgradient from the subject site. The well address is given as 5013 – 80th Avenue Court East. The well is screened in silty sand deposits between depths of 273 feet and 283 feet. The aquifer is overlain by at least 124 feet of soil described as silty sand, sandy silt, clay, and clay and silt. The measured static water level in the well is at a depth of 69 feet.

9. L Blodgett Well (NW ¼ of NE ¼ of Section 20, Township 20N, Range 4E):

Located approximately 320 feet west and apparently crossgradient from the subject site. The well address is given as 5110 Freeman Road East. The well is screened in silty sand deposits between depths of 107 feet and 111 feet. The aquifer is overlain by at least 24 feet of soil described as silty sand and silty sand, some gravel. The measured static water level in the well is at a depth of 12 feet.

10. M Blodgett Well (NW ¼ of NE ¼ of Section 20, Township 20N, Range 4E):

Located approximately 220 feet west and apparently crossgradient from the subject site. The well address is given as 8105 – 52nd Street East. The well is finished at a depth of 275 feet in soils described as sand and gravel. The aquifer is overlain by at least 210 feet of soil described as silty sand, silty clay, and sand and clay. The measured static water level in the well is at a depth of zero feet with artesian flow controlled by a cap valve.

11. Schenk Well (SE ¼ of NE ¼ of Section 20, Township 20N, Range 4E):

Located approximately 300 feet east and apparently crossgradient from the subject site. The well address at the time of installation is given as 5112 85th Avenue East. However, further investigation indicates the current address of the well location is 1703 – 19th Avenue Northwest. The well is screened in sand and gravel deposits between depths of approximately 241 feet and 246.5 feet. The aquifer is overlain by at least 27 feet of soil described as fine silty heaving sands and wood which are overlain by at least 46 feet of soil described as clay and heaving sands with layers of clay and of wood. The measured static water level in the well is at a depth of five feet below grade.

As discussed, the site is located within the 1-year, 5-year, and 10-year time-of-travel zones of Group A water systems identified as Eggimann-664 and the Schenk Water System, as well as by the 10-year time-of-travel zone of the Group A water system identified as Cherrywood Mobile Home Manor. The site is also overlain by the TOT zone for the Group B water system identified as the Hayes Water System. The wells associated with the associated TOT zones of these systems are described below. The well details and driller's logs are included in Appendix B.

Eggiman-664

Source No. 1 – Well 1 (WSDOE ID AKB306) ((NW ¼ of NE ¼ of Section 20, Township 20N, Range 4E):

The system is identified as the same well named above as the Schaaf Well and is located approximately 395 feet west and apparently crossgradient from the subject site. The street address of well is 5013 – 80th Avenue Court East. The well is screened in silty sand deposits between depths of 273 feet and 283 feet. The aquifer is overlain by at least 124 feet of soil described as silty sand, sandy silt, clay, and clay and silt. The measured static water level in the well is at a depth of 69 feet.

Schenk Water System

Source No. 1 – Well 1 (WSDOE ID ACV549) (SE ¼ of NE ¼ of Section 20, Township 20N, Range 4E):

The system is identified as the same well named above as the Schenk Well and is located approximately 300 feet east and apparently crossgradient from the site. The well is screened in sand and gravel deposits between depths of approximately 241 feet and 246.5 feet. The aquifer is overlain by at least 27 feet of soil described as fine silty heaving sands and wood which are overlain by at least 46 feet of soil described as clay and heaving sands with layers of clay and of wood. The measured static water level in the well is at a depth of 5 feet below grade.

Cherrywood Mobile Home Manor

Source No. 1 – Well 1 (WSDOE ID ACN796) (SE ¼ of NE ¼ of Section 17, Township 20N, Range 4E):

Located approximately 1,780 feet northeast and apparently upgradient from the subject site. The well is screened in sand and gravel deposits between depths of 245 feet and 255 feet. The aquifer is overlain by an unknown height of soil described as clay overlain by unlogged soils. The measured static water level in the well is at a depth of two feet below grade.

Hayes Water System

Source No. 1 – Well 1 (No WSDOE ID) (NW ¼ of NE ¼ of Section 20, Township 20N, Range 4E):

The system is identified as the same well named above as the M. Blodgitt Well and is located approximately 220 feet west and apparently crossgradient from the subject site. The well is finished at a depth of 275 feet in soils described as sand and gravel. The aquifer is overlain by at least 210 feet of soil described as silty sand, silty clay, and sand and clay. The measured static water level in the well is at a depth of zero feet.

WELL WATER QUALITY REVIEW

We researched available water quality data for the 11 wells located within 1,300 feet of the site using the Washington State Department of Health, Office of Drinking Water (ODW) interactive web site (<https://fortress.wa.gov/doh/eh/portal/odw/si/FindWaterSystem.aspx>). Water quality data exists for the four Group A and Group B well systems. The results of water quality monitoring of each well are summarized below. The well water quality data is attached in Appendix C.

Well No. 8 – Schaaf Well/Eggiman-664 System

Elevated concentrations of secondary MCL constituents iron, manganese, and/or mercury were detected in sampling of the source well on May 2, 1978, March 16, 1982, January 21, 1985, November 5, 1987, June 11, 1992, July 6, 1995, August 17, 1998, and August 20, 2019. Total coliform was present in samples collected from the water distribution system on September 15, 1997, September 24, 1997, February 17, 2017, and October 12, 2021. No exceedances of drinking water standards have been reported since October 21, 2021.

Well No. 10 – M Blodgett Well/Hayes Water System

Elevated concentrations of secondary MCL constituents iron and manganese were detected in the initial sampling of the source well on July 24, 1990. Total coliform was present in samples collected from the water distribution system on September 16, 1996, September 24, 1996, April 17, 2019, and April 25, 2019. No exceedances of drinking water standards have been reported since April 25, 2019.

Well No. 11 – Schenk Well/Schenk Water System

Elevated concentrations of secondary MCL constituents iron and/or manganese were detected in sampling of the source well on June 8, 1989, May 2, 2001, May 5, 2004, October 10, 2019, and May 23, 2022. Total coliform was present in samples collected from the water distribution system on January 4, 2012. No exceedances of drinking water standards have been reported since May 23, 2022.

Cherrywood Mobile Home Manor

Elevated concentrations of secondary MCL constituents iron, manganese, and/or arsenic were detected in sampling of the source well on September 13, 1979, June 22, 1982, March 2, 1983, August 9, 1983, August 24, 1983, August 31, 1983, September 29, 1986, and July 5, 2019. Total coliform was present in samples collected from the water distribution system on January 15, 1996, June 12, 1997, June 16, 1997, February 13, 1998, July 13, 1998, April 12, 1999, February 14, 2000, and October 1, 2019. No exceedances of drinking water standards have been reported since October 1, 2019.

DISCUSSION

Based on our study, 11 domestic water wells are located within 1,300 feet of the subject site, with 1 of the 11 wells located on the subject site. All of the wells are finished in sand and gravel to silty sand deposits underlying approximately 24 to 210 feet of soils described as silty sand, sandy silt, clay, clay and silt. Our review of the well logs for the Eggiman-664 well, the Schenk Water System well, the Hayes Water System well, and the Cherrywood Mobile Home Manor well, located approximately 395 feet, 300 feet, 220 feet, and 1,780 feet from the site, respectively, indicate the wells are completed in aquifers protected from the ground surface by aquitards consisting of approximately 46 to 210 feet of soil described as silty sand, sandy silt, clay, clay and silt.

As discussed, the site is generally flat with the regional vicinity sloping to the south and southwest. Based on their crossgradient locations relative to the site, the Group A Eggiman-664 and Schenk Water System wells, and the Group B Hayes Water system well, would not be impacted by surface drainage from the site. The Group A Cherrywood Mobile Home Manor well is located upgradient of the site, and therefore would also not be impacted by surface drainage for the subject site.

In our opinion, very little recharge to the lower aquifers occurs as a result of direct rainfall and percolation on the subject site. Rainfall that does not runoff and percolates into the more-permeable, near-surface weathered soils will become perched on the underlying interbedded alluvial silt soils. Because of the low permeability of the silt material and deeper clay, the perched groundwater will flow laterally along the contact and eventually discharge as seeps or springs at lower elevations if not intercepted by existing development improvements. This lateral flow and discharge is the preferred flow path as continued vertical migration through the impermeable silt and clay material is restricted. Conservatively, we estimate that it would take about 10 years for water to migrate through 100 feet of silt and clay and locally recharge the deeper aquifers. In our opinion, it is likely that much of this water would be consumed by evapotranspiration during the dry summer months before having any opportunity to recharge the deeper aquifer below the site.

Potential Impacts to Site Groundwater

As discussed, wetlands, regulated floodplains, floodways, and water bodies exist on site and/or at locations downgradient from the site. It is our opinion that the primary contributor to the water features identified on Figure 3 as WL3 and WB1 are seasonal fluctuations in the nearby Puyallup River as opposed to surficial runoff and/or subsurface interflow from upgradient sources given the topographic location of these features relative to the site and the Puyallup River.

In our opinion, the potential for adverse impacts to the site and surrounding areas resulting from erosion and sedimentation during construction would be adequately mitigated with proper implementation and maintenance of BMPs for erosion prevention and sedimentation control outlined in the project construction stormwater pollution prevention plan (SWPPP).

Mr. Tyler Litzenberger
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In our opinion, potential hazards associated with the use of equipment fuels and lubricants at the site during construction would be adequately mitigated with proper implementation and maintenance of BMPs for spill prevention and recovery of hazardous materials during construction outlined in the project SWPPP.

Potential post-development impacts to groundwater at the site would be in the form of trace petroleum hydrocarbons and trace metals from roadway and parking area runoff, and typical landscape products in the form of fertilizers, pesticides, and other landscaping chemicals. Because the proposed development is for commercial office/warehouse use, it is not expected that any deleterious substances and hazardous materials used by site maintenance and landscape subcontractors would be stored on site or used in significant amounts. In our opinion, specific recommendations for storage or handling of typical volumes of these materials for landscape and maintenance purposes, in typical volumes, is not warranted. Additionally, trace petroleum products and many common pesticides are readily degradable in the natural environment when dilute, and metals and pesticides are typically filtered by sorption in the upper portion of the soil column.

We trust the information presented is sufficient for your current needs. If you have any questions or require additional information, please call.

Sincerely yours,

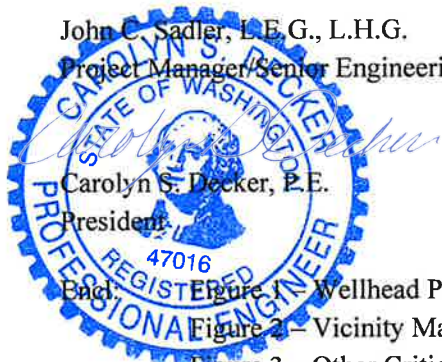
TERRA ASSOCIATES, INC.



Michael J. Xenos, E.I.T.
Staff Engineer



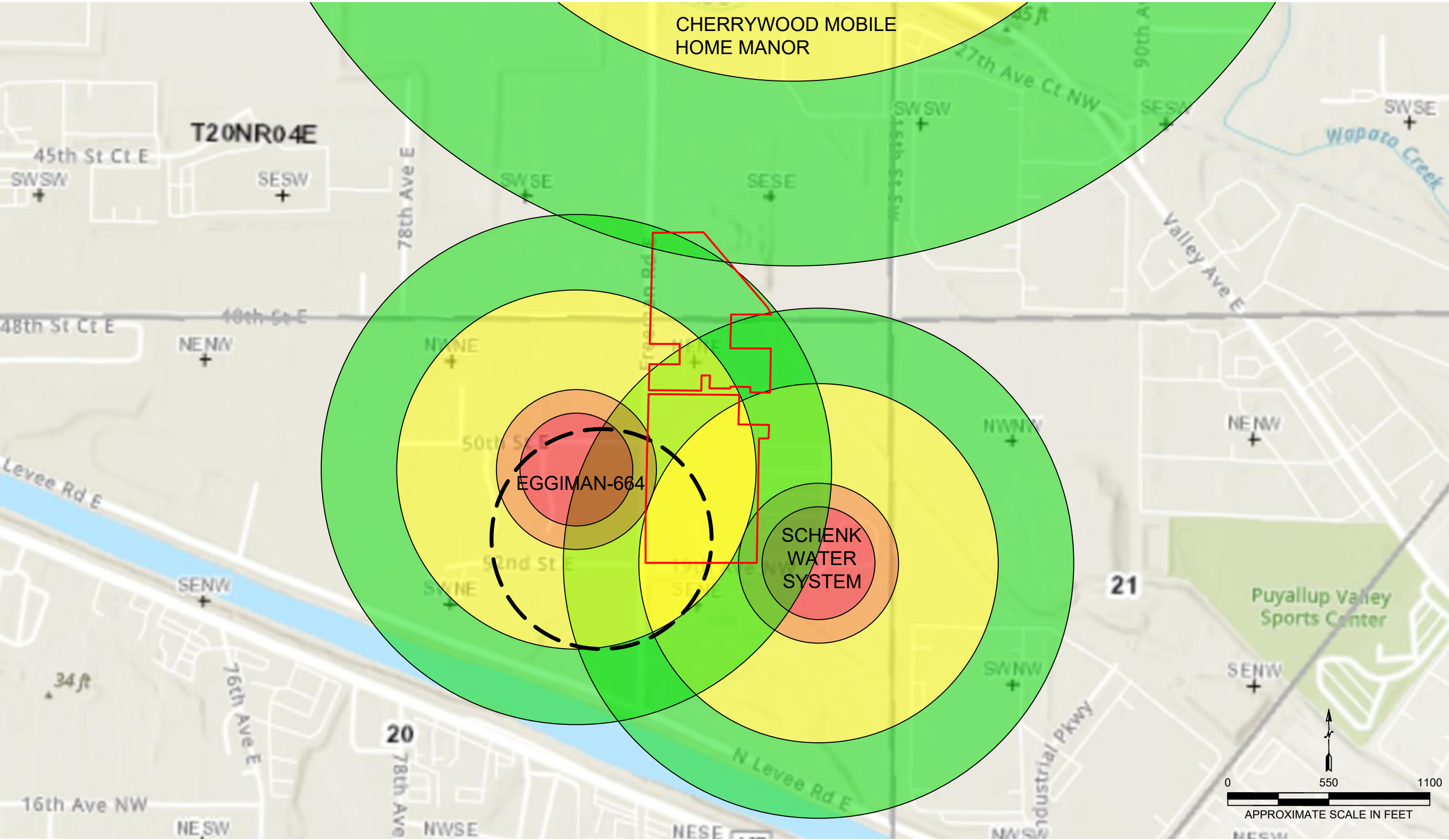
John C. Sadler, L.E.G., L.H.G.
Project Manager/Senior Engineering Geologist



9-12-2022






Carolyn S. Decker, P.E.
President

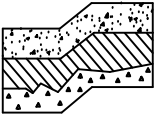
Encl. Figure 1 – Wellhead Protection Zones Map
Figure 2 – Vicinity Map
Figure 3 – Other Critical Areas Map
Figure 4 – Exploration Location Plan
Figure 5 – Surficial Geologic Map
Figure 6 – WSDOE Well Location Map
Appendix A – Test Pit and CPT Logs
Appendix B – DOE Well Details and Driller's Logs
Appendix C – Well Water Quality Data



NOTE:
THIS SITE PLAN IS SCHEMATIC. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE. IT IS INTENDED FOR REFERENCE ONLY AND SHOULD NOT BE USED FOR DESIGN OR CONSTRUCTION PURPOSES.

REFERENCE:
WSDOH SWAP (AUGUST 2022)

- LEGEND:**
-  GROUP A SYSTEM 10-YR TIME-OF-TRAVEL ZONE
 -  GROUP A SYSTEM 5-YR TIME-OF-TRAVEL ZONE
 -  GROUP A SYSTEM 1-YR TIME-OF-TRAVEL ZONE
 -  GROUP A SYSTEM 6-MONTH TIME-OF-TRAVEL ZONE
 -  HAYES WATER SYSTEM



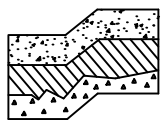
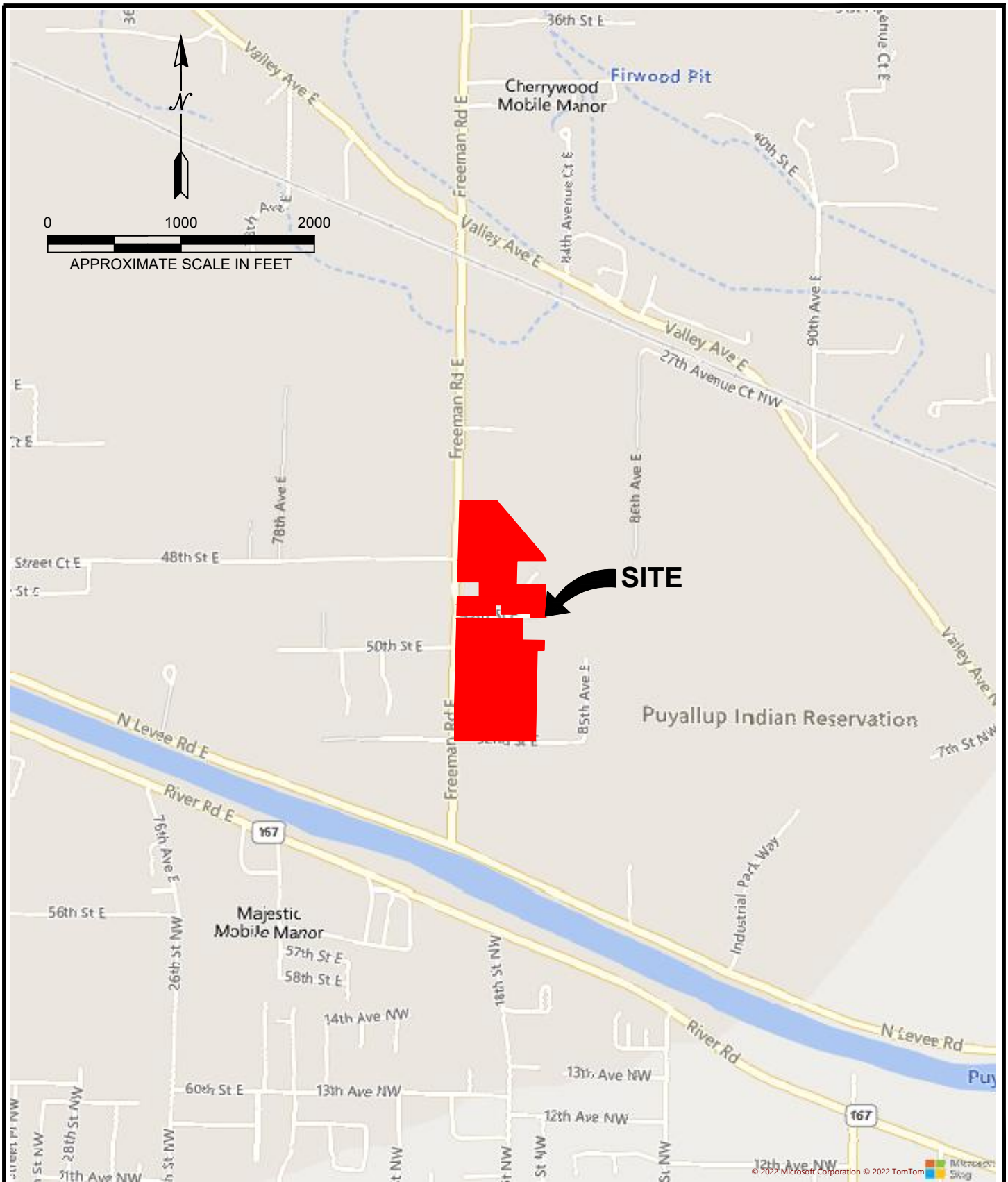
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**WELLHEAD PROTECTION ZONES MAP
FREEMAN LOGISTICS
PIERCE COUNTY, WASHINGTON**

Proj.No. T-8565

Date:SEPT 2022

Figure 1



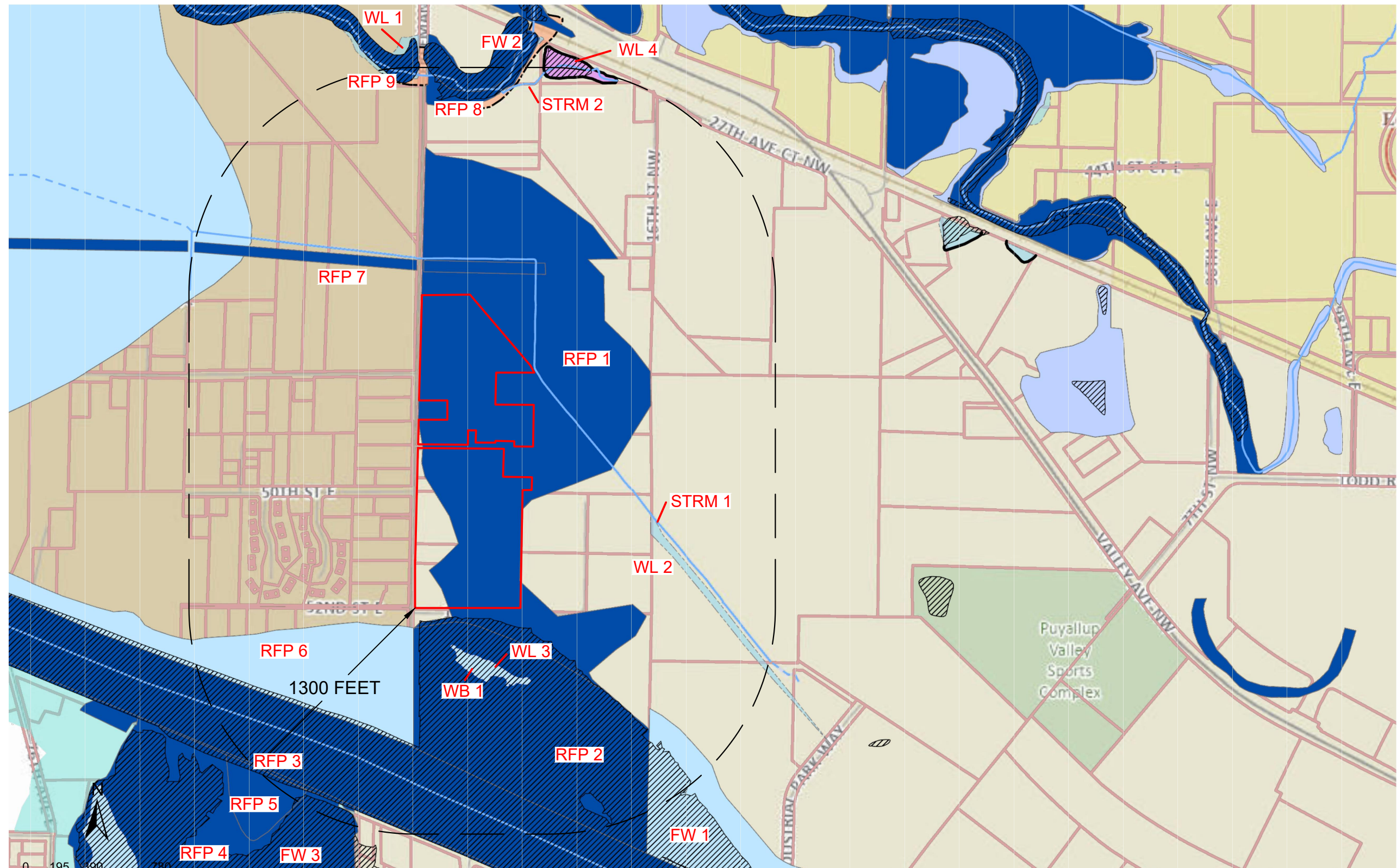
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VICINITY MAP
 FREEMAN LOGISTICS
 PIERCE COUNTY, WASHINGTON

Proj.No. T-8565

Date:SEPT 2022

Figure 2



NOTE:

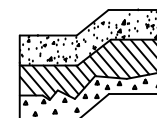
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REFERENCE:

PIERCE COUNTY PUBLIC GIS

LEGEND:

WL	DELINEATED WETLAND - COUNTY WETLAND INVENTORY
STRM	STREAM
RFP	REGULATED FLOODPLAIN
FW	FLOODWAY
WB	WATER BODY



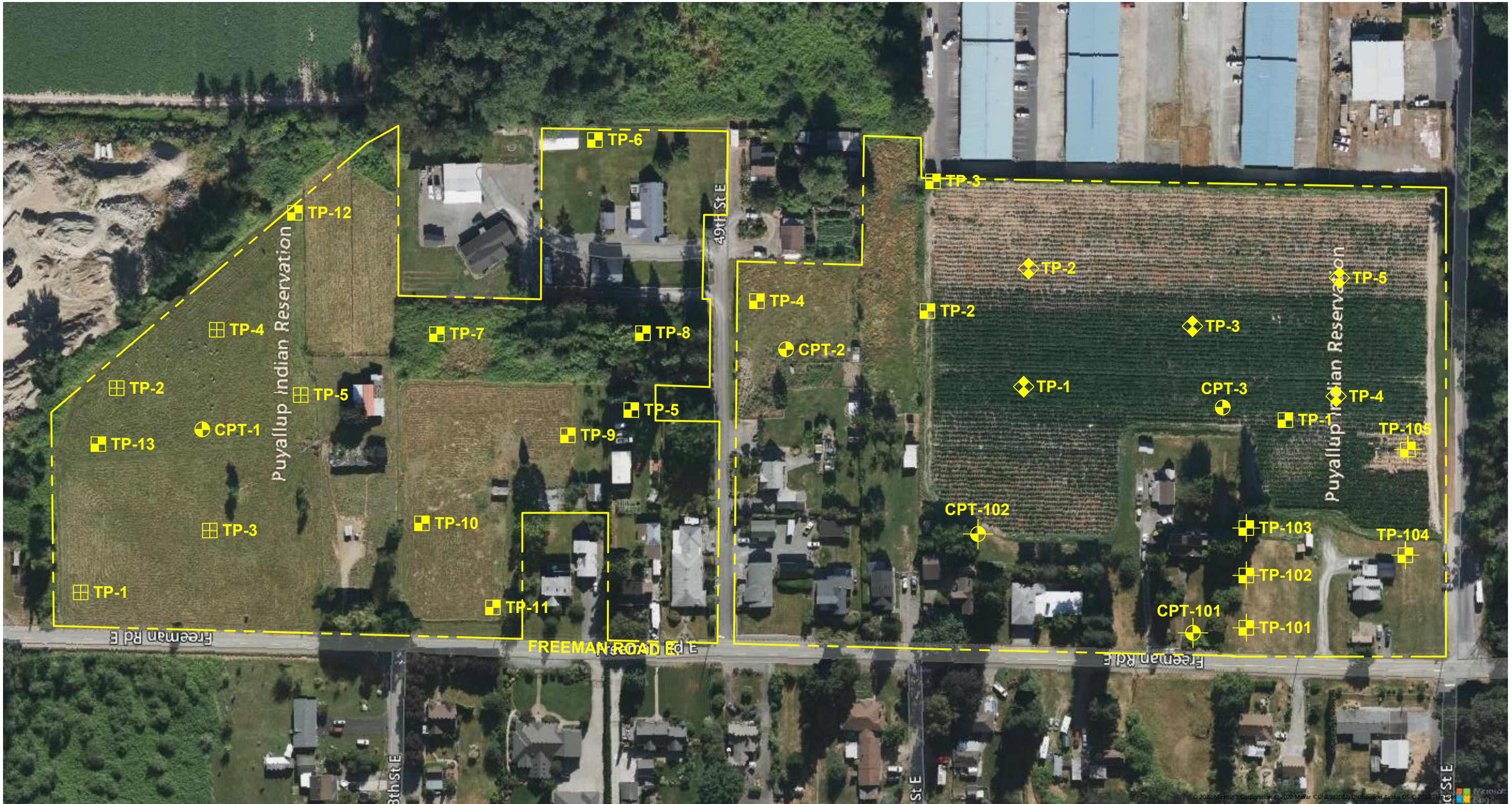
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**OTHER CRITICAL AREAS MAP
FREEMAN LOGISTICS
PIERCE COUNTY, WASHINGTON**

Proj.No. T-8565

Date:SEPT 2022

Figure 3









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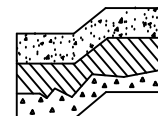
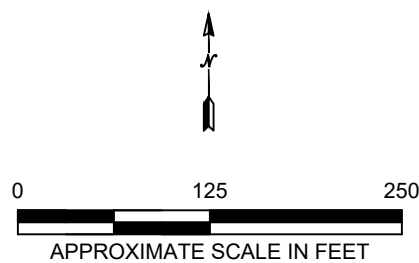
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REFERENCE:

BING MAPS

LEGEND:

-  APPROXIMATE TEST PIT LOCATION (JUN 2021)
-  APPROXIMATE TEST PIT LOCATION (MAR 2019)
-  APPROXIMATE TEST PIT LOCATION (JUN 2022)
-  APPROXIMATE TEST PIT LOCATION (JAN 2019)
-  APPROXIMATE CPT LOCATION (JUN 2021)
-  APPROXIMATE CPT LOCATION (JUN 2022)



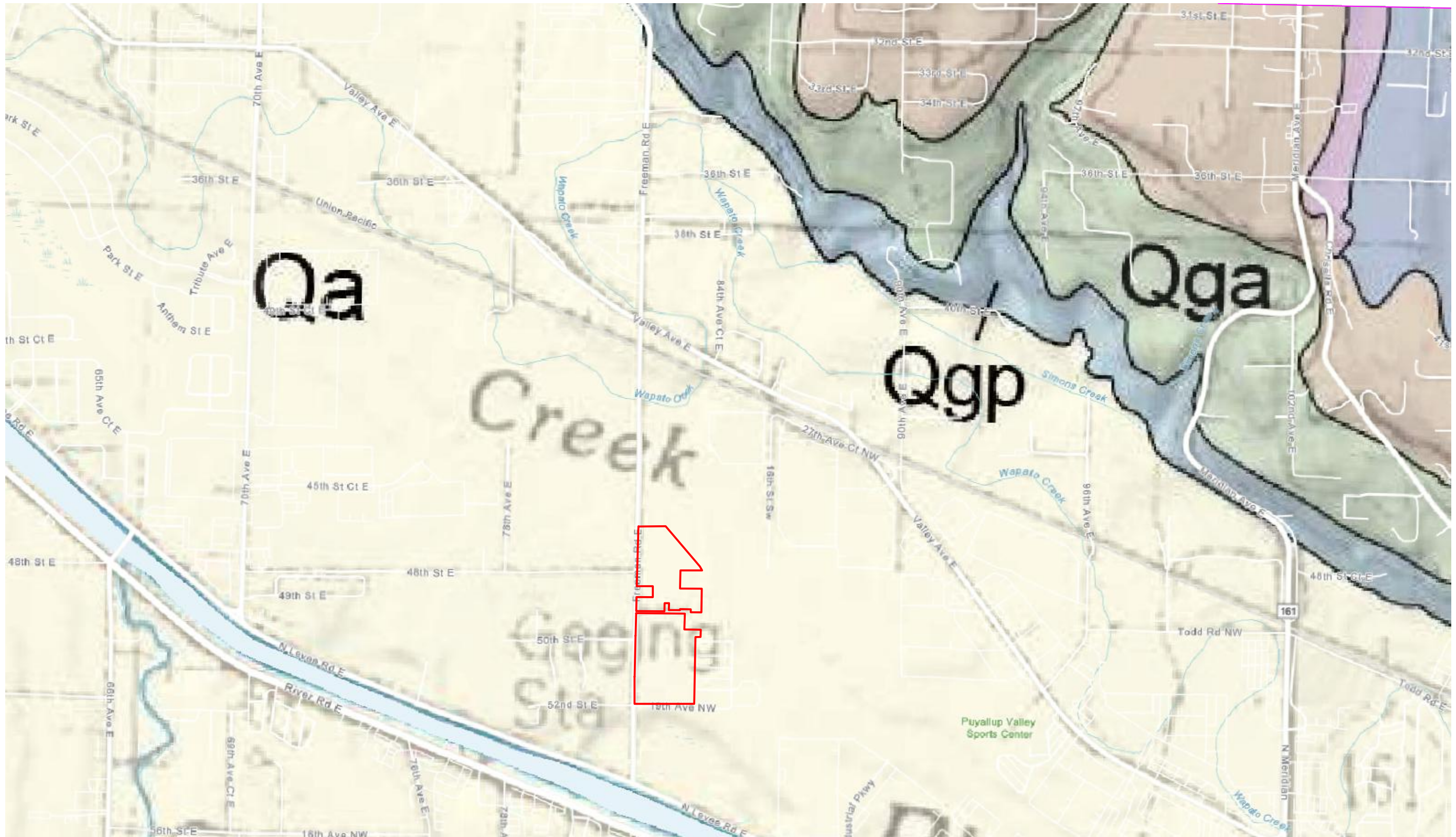
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EXPLORATION LOCATION PLAN
FREEMAN LOGISTICS
PIERCE COUNTY, WASHINGTON

Proj.No. T-8565

Date:SEPT 2022

Figure 4



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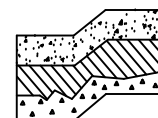
LEGEND:

Qa - ALLUVIUM (HOLOCENE)
Qga - ADVANCED OUTWASH
Qgp - PRE-FRASER CONTINENTAL GLACIAL DRIFT

REFERENCE: GEOLOGIC MAP OF THE TACOMA 1:100,000-SCALE QUADRANGLE, WASHINGTON, BY J.E. SCHUSTER, A.A. CABIBBO, J.F. SCHILTER, AND I.J. HUBERT (2015)



NOT TO SCALE



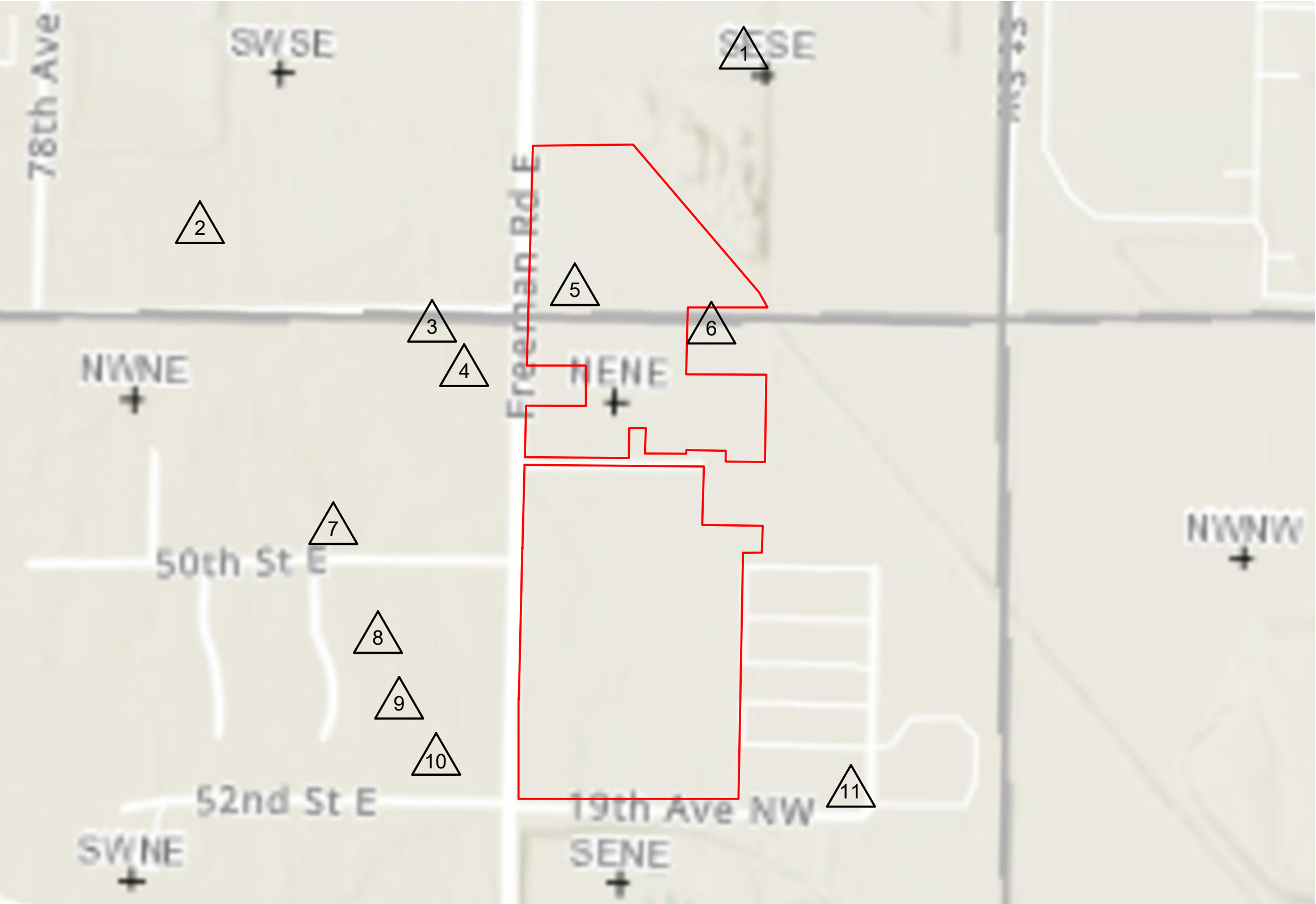
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**SURFICIAL GEOLOGIC MAP
 FREEMAN LOGISTICS
 PIERCE COUNTY, WASHINGTON**

Proj.No. T-8565

Date:SEPT 2022

Figure 5

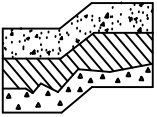
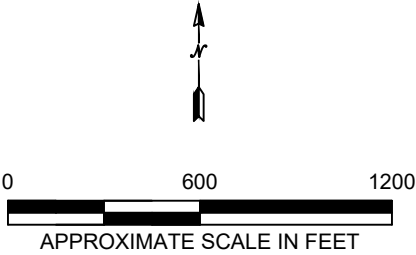


LEGEND:

- △₁ KINDEL
- △₂ FLETCHER
- △₃ HOEKS
- △₄ WINSLOW
- △₅ SESSLER
- △₆ LYONS
- △₇ WOODS
- △₈ SCHAAF
- △₉ L BLODGETT
- △₁₀ M BLODGETT
- △₁₁ SCHENK

NOTE:
THIS SITE PLAN IS SCHEMATIC. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE. IT IS INTENDED FOR REFERENCE ONLY AND SHOULD NOT BE USED FOR DESIGN OR CONSTRUCTION PURPOSES.

REFERENCE:
WSDOE WATER RESOURCES PROGRAM - WELL LOCATOR WEBSITE



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WELL LOCATION MAP
FREEMAN LOGISTICS
PIERCE COUNTY, WASHINGTON

Proj.No. T-8565

Date:SEPT 2022

Figure 6

APPENDIX A
TEST PIT AND CPT LOGS

LOG OF TEST PIT NO. 1

Figure A-1

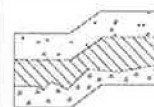
PROJECT NAME: Grelis Property PROJ. NO: T-8089 LOGGED BY: EHE

LOCATION: Pierce County, Washington SURFACE CONDITIONS: Dewy Farm Field APPROX. ELEV: N/A

DATE LOGGED: January 10, 2019 DEPTH TO GROUNDWATER: 7 Feet DEPTH TO CAVING: 9 Feet

Depth (ft)	Sample No.	Description	Consistency/ Relative Density	W (%)
0		(TOPSOIL and ORGANIC DEBRIS)		
1		Brown sandy SILT to silty SAND with minor organics and rooting, moist. (ML-SM)	Loose	
2				
3		Gray to brown sandy SILT to silty SAND with heavy orange to red-brown mottling. (ML-SM)		
4				
5				
6				
7		Gray silty SAND to sandy SILT with some light orange mottling. (SM-ML)	Medium Dense	31.5
8				
9				
10		Test pit terminated at approximately 10 feet. Light groundwater seepage observed at 7 feet.		
11				
12				
13				
14				
15				

NOTE: This subsurface information pertains only to this test pit location and should not be interpreted as being indicative of other locations at the site.



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LOG OF TEST PIT NO. 2

Figure A-2

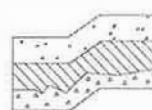
PROJECT NAME: Grelis Property PROJ. NO: T-8089 LOGGED BY: EHE

LOCATION: Pierce County, Washington SURFACE CONDITIONS: Dewy Farm Field APPROX. ELEV: N/A

DATE LOGGED: January 10, 2019 DEPTH TO GROUNDWATER: 6 Feet DEPTH TO CAVING: 8.5 Feet

Depth (ft)	Sample No.	Description	Consistency/ Relative Density	W (%)
0		(TOPSOIL and ORGANIC DEBRIS)		
1		Gray-brown silty SAND to sandy SILT with minor organics and rooting, moist. (SM-ML)	Loose	
2				
3		Gray to brown silty SAND to sandy SILT with some clay and heavy orange to red-brown mottling, moist to wet. (SM-ML)		
4				
5				
6			Medium Dense	
7		Gray silty SAND to sandy SILT, wet to saturated. (ML-SM)		
8				27.7
9		Test pit terminated at approximately 9 feet. Moderate to heavy groundwater seepage observed at 6 feet. Heavy caving at 8.5 feet.		
10				
11				
12				
13				
14				
15				

NOTE: This subsurface information pertains only to this test pit location and should not be interpreted as being indicative of other locations at the site.



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LOG OF TEST PIT NO. 3

Figure A-3

PROJECT NAME: Grellis Property **PROJ. NO:** T-8089 **LOGGED BY:** EHE

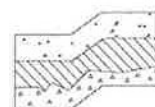
LOCATION: Pierce County, Washington **SURFACE CONDITIONS:** Dewy Farm Field **APPROX. ELEV:** N/A

DATE LOGGED: January 10, 2019 **DEPTH TO GROUNDWATER:** N/A **DEPTH TO CAVING:** 9.5 Feet

Depth (ft)	Sample No.	Description	Consistency/ Relative Density	W (%)
0		(TOPSOIL and ORGANIC DEBRIS)		
1		Gray to brown silty SAND to sandy SILT with minor organics and rooting, moist. (SM-ML)	Loose	
2				
3				
4		Gray to brown silty SAND to sandy SILT with heavy orange to red-brown mottling and occasional clay lenses, moist. (SM-ML)		
5				
6				
7		Gray silty SAND, moist to wet. (SM)	Medium Dense	
8				
9				
10		Test pit terminated at approximately 10 feet. No groundwater seepage observed.		
11				
12				
13				
14				
15				

25.1

NOTE: This subsurface information pertains only to this test pit location and should not be interpreted as being indicative of other locations at the site.



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LOG OF TEST PIT NO. 4

Figure A-4

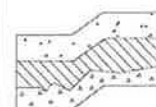
PROJECT NAME: Grelis Property PROJ. NO: T-8089 LOGGED BY: EHE

LOCATION: Pierce County, Washington SURFACE CONDITIONS: Dewy Farm Field APPROX. ELEV: N/A

DATE LOGGED: January 10, 2019 DEPTH TO GROUNDWATER: 8.75 Feet DEPTH TO CAVING: 9 Feet

Depth (ft)	Sample No.	Description	Consistency/ Relative Density	W (%)
0		(TOPSOIL and ORGANIC DEBRIS)	Loose	50.1
1		Gray to brown silty SAND to sandy SILT with minor organics and rooting, moist. (SM-ML)	Loose to Medium Dense	
2		Gray to brown silty SAND to sandy SILT with variable (trace to some) clay and heavy orange to red-brown mottling, moist. (SM-ML)	Loose	
3				
4				
5				
6				
7		Gray SILT with clay and light orange mottling and a 0.5-foot pocket of woody debris, moist to wet. (ML)	Soft	
8				
9				
10		Test pit terminated at approximately 10 feet. Light groundwater seepage observed at 8.75 feet.		
11				
12				
13				
14				
15				

NOTE: This subsurface information pertains only to this test pit location and should not be interpreted as being indicative of other locations at the site.



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LOG OF TEST PIT NO. 5

Figure A-5

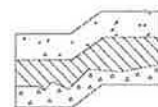
PROJECT NAME: Grelis Property PROJ. NO: T-8089 LOGGED BY: EHE

LOCATION: Pierce County, Washington SURFACE CONDITIONS: Dewy Farm Field APPROX. ELEV: N/A

DATE LOGGED: January 10, 2019 DEPTH TO GROUNDWATER: N/A DEPTH TO CAVING: 9 Feet

Depth (ft)	Sample No.	Description	Consistency/ Relative Density	W (%)
0		(TOPSOIL and ORGANIC DEBRIS)		
1		Gray to brown silty SAND to sandy SILT with minor organics and rooting, moist. (SM-ML)	Loose	
2				
3		Gray to brown silty SAND to sandy SILT with light orange mottling. (SM-ML)		
4				
5		Gray silty SAND to sandy SILT with heavy orange to red-brown mottling. (SM-ML)		21.6
6			Medium Dense	
7		Gray to black silty SAND, moist. (SM)		
8				16.5
9				
10		Test pit terminated at approximately 10 feet. No groundwater seepage observed.		
11				
12				
13				
14				
15				

NOTE: This subsurface information pertains only to this test pit location and should not be interpreted as being indicative of other locations at the site.



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LOG OF TEST PIT NO. 1

Figure A-6

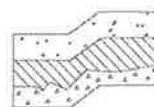
PROJECT NAME: Sessler Parcel PROJ. NO: T-8136 LOGGED BY: EHE

LOCATION: Fife, Washington SURFACE CONDITIONS: Pasture Field APPROX. ELEV: N/A

DATE LOGGED: March 22, 2019 DEPTH TO GROUNDWATER: 6 Feet DEPTH TO CAVING: 6 Feet

Depth (ft)	Sample No.	Description	Consistency/ Relative Density	W (%)
0		(4 inches TOPSOIL and ORGANICS)		
1		Tan to brown silty SAND to sandy SILT, fine to medium sand, moist, minor to moderate mottling after 3 feet, trace to some clay. (SM/ML)		
2	1		Loose to Medium Dense	31.4
3				
4				
5				
6	2	Gray to brown silty SAND, fine to coarse sand, moist to wet, minor to moderate mottling. (SM)	Medium Dense	36.6
7				
8	3	Gray-blue to gray silty SAND, fine to coarse sand, wet to saturated. (SM)	Medium Dense to Dense	32.5
9				
10		Test pit terminated at approximately 9 feet. Minor groundwater seepage observed 6 feet. Minor caving observed between 6 and 8 feet.		
11				
12				
13				
14				
15				

NOTE: This subsurface information pertains only to this test pit location and should not be interpreted as being indicative of other locations at the site.



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LOG OF TEST PIT NO. 2

Figure A-7

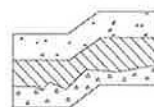
PROJECT NAME: Sessler Parcel PROJ. NO: T-8136 LOGGED BY: EHE

LOCATION: Fife, Washington SURFACE CONDITIONS: Pasture Field APPROX. ELEV: N/A

DATE LOGGED: March 22, 2019 DEPTH TO GROUNDWATER: 5 Feet DEPTH TO CAVING: 5 Feet

Depth (ft)	Sample No.	Description	Consistency/ Relative Density	W (%)
0		(4 inches TOPSOIL and ORGANICS)	Loose	
1		Tan to brown silty SAND to sandy SILT, fine to medium sand, moist, minor to moderate mottling below 2 feet, minor roots to 2 feet. (SM/ML)		
2	1		Loose to Medium Dense	37.1
3				
4				
5	2	Gray to brown sandy SILT, fine to medium sand, moist to wet, minor mottling to 6.5 feet, some clay. (ML)	Medium Dense	41.0
6				
7				
8	3	Tan to gray silty SAND, fine to coarse sand, wet to saturated. (SM)	Medium Dense to Dense	33.6
9				
10		Test pit terminated at approximately 9 feet. Minor to moderate groundwater seepage observed between 5 and 8 feet. Minor caving observed between 5 and 8 feet.		
11				
12				
13				
14				
15				

NOTE: This subsurface information pertains only to this test pit location and should not be interpreted as being indicative of other locations at the site.



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LOG OF TEST PIT NO. 3

Figure A-8

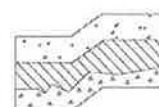
PROJECT NAME: Sessler Parcel PROJ. NO: T-8136 LOGGED BY: EHE

LOCATION: Fife, Washington SURFACE CONDITIONS: Pasture Field APPROX. ELEV: N/A

DATE LOGGED: March 22, 2019 DEPTH TO GROUNDWATER: 7 Feet DEPTH TO CAVING: 7.5 Feet

Depth (ft)	Sample No.	Description	Consistency/ Relative Density	W (%)
0		(4 inches TOPSOIL and ORGANICS)	Loose	
1		Tan to brown silty SAND to sandy SILT, fine to medium sand, moist, minor to moderate mottling below 2 feet, trace to some clay. (SM/ML)		
2				
3	1		Loose to Medium Dense	35.8
4				
5				
6	2	Gray-blue to gray silty SAND, fine to medium sand, moist, minor mottling, some clay. (SM)	Medium Dense to Dense	47.2
7		Gray to tan sandy SILT with clay, fine to medium sand, moist to wet. (ML)		
8	3	Gray-blue to gray silty SAND, fine to coarse sand, wet to saturated. (SM)	Medium Dense	23.6
9				
10		Test pit terminated at approximately 9.5 feet. Minor groundwater seepage observed at 7 feet. Minor caving observed between 7.5 and 9.5 feet.		
11				
12				
13				
14				
15				

NOTE: This subsurface information pertains only to this test pit location and should not be interpreted as being indicative of other locations at the site.



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LOG OF TEST PIT NO. 4

Figure A-9

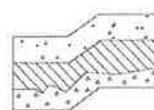
PROJECT NAME: Sessler Parcel PROJ. NO: T-8136 LOGGED BY: EHE

LOCATION: Fife, Washington SURFACE CONDITIONS: Pasture Field APPROX. ELEV: N/A

DATE LOGGED: March 22, 2019 DEPTH TO GROUNDWATER: N/A DEPTH TO CAVING: N/A

Depth (ft)	Sample No.	Description	Consistency/ Relative Density	W (%)
0		(4 inches TOPSOIL and ORGANICS)		
1		Tan to brown silty SAND to sandy SILT, fine to medium sand, moist, minor to moderate mottling below 2 feet, minor organic roots up to 2.5 feet, trace to some clay. (SM/ML)		
2	1		Loose to Medium Dense	34.5
3				
4				
5	2	Gray to brown silty SAND, fine to coarse sand, moist. (SM)	Medium Dense to Dense	29.7
6		Tan to brown sandy SILT, fine to medium sand, moist, minor mottling, some clay. (ML)	Dense	
7	3	Gray-blue to gray silty SAND, fine to coarse sand, moist to wet. (SM)		26.1
8			Medium Dense to Dense	
9				
10		Test pit terminated at approximately 10 feet. No groundwater seepage observed. No caving observed.		
11				
12				
13				
14				
15				

NOTE: This subsurface information pertains only to this test pit location and should not be interpreted as being indicative of other locations at the site.



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LOG OF TEST PIT NO. 5

Figure A-10

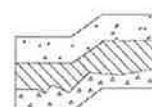
PROJECT NAME: Sessler Parcel PROJ. NO: T-8136 LOGGED BY: EHE

LOCATION: Fife, Washington SURFACE CONDITIONS: Pasture Field APPROX. ELEV: N/A

DATE LOGGED: March 22, 2019 DEPTH TO GROUNDWATER: 7 Feet DEPTH TO CAVING: 8 Feet

Depth (ft)	Sample No.	Description	Consistency/ Relative Density	W (%)
0		(4 inches TOPSOIL and ORGANICS)	Loose	
1		Tan to brown silty SAND to sandy SILT, fine to medium sand, moist, minor to moderate mottling between 2 and 5 feet, trace to some clay. (SM/ML)		
2	1		Loose to Medium Dense	33.2
3				
4				
5				
6				
7	2	Gray to brown silty SAND, fine to coarse sand, moist to wet. (SM)		31.1
8				
9				
10				
11				
12				
13				
14				
15				

NOTE: This subsurface information pertains only to this test pit location and should not be interpreted as being indicative of other locations at the site.



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LOG OF TEST PIT NO. 1

Figure A-11

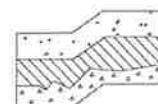
PROJECT NAME: Freeman Logistics PROJ. NO: T-8565 LOGGED BY: JCS

LOCATION: Pierce County, Washington SURFACE CONDITIONS: Bare APPROX. ELEV: NA

DATE LOGGED: June 25, 2021 DEPTH TO GROUNDWATER: NA DEPTH TO CAVING: NA

Depth (ft)	Sample No.	Description	Consistency/ Relative Density	W (%)
0		Brown silty SAND to sandy SILT, fine grained, moist. (SM/ML)		
1	1			16.4
2				
3		Gray-brown to gray SILT, moist, numerous iron-oxide stained root casts. (ML)		
4	2		Medium Dense	31.0
5				
6				
7				
8	3	Dark gray-brown silty SAND to SAND with silt, fine grained, moist. (SM/SP-SM)		20.4
9		Test pit terminated at 8.5 feet. No groundwater seepage.		
10				

NOTE: This subsurface information pertains only to this test pit location and should not be interpreted as being indicative of other locations at the site.



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LOG OF TEST PIT NO. 2

Figure A-12

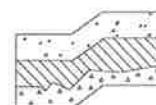
PROJECT NAME: Freeman Logistics PROJ. NO: T-8565 LOGGED BY: JCS

LOCATION: Pierce County, Washington SURFACE CONDITIONS: Bare APPROX. ELEV: NA

DATE LOGGED: June 25, 2021 DEPTH TO GROUNDWATER: NA DEPTH TO CAVING: NA

Depth (ft)	Sample No.	Description	Consistency/ Relative Density	W (%)
0		Brown silty SAND to sandy SILT, fine grained, moist. (SM/ML)	Medium Dense	
1				
2		Gray-brown to gray SILT, moist, numerous iron-oxide stained root casts. (ML)		
3				
4				
5				
6				
7		Interbedded gray-brown to brown SILT and dark gray-brown fine SAND, moist to wet. (ML and SP)		
8				
9	1	Test pit terminated at 9 feet. No groundwater seepage.		35.4
10				

NOTE: This subsurface information pertains only to this test pit location and should not be interpreted as being indicative of other locations at the site.



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LOG OF TEST PIT NO. 3

Figure A-13

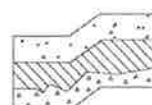
PROJECT NAME: Freeman Logistics PROJ. NO: T-8565 LOGGED BY: JCS

LOCATION: Pierce County, Washington SURFACE CONDITIONS: Bare APPROX. ELEV: NA

DATE LOGGED: June 25, 2021 DEPTH TO GROUNDWATER: 8.5 ft DEPTH TO CAVING: NA

Depth (ft)	Sample No.	Description	Consistency/ Relative Density	W (%)
0		FILL: Brown SILT, dry to moist, dark brown organic layer at 2.5 feet. (ML)		
1				
2				
3		Gray-brown SILT, moist, numerous iron-oxide stained root casts. (ML)		
4	1	Orange-brown silty SAND to sandy SILT, fine sand, moist. (SM/ML)		34.9
5	2	Dark gray-brown SAND, fine to medium grained, moist (wet below 8.5 feet. (SP)	Medium Dense	5.7
6				
7				
8				
9		Test pit terminated at 9 feet. Light groundwater seepage below 8.5 feet.		
10				

NOTE: This subsurface information pertains only to this test pit location and should not be interpreted as being indicative of other locations at the site.



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LOG OF TEST PIT NO. 4

Figure A-14

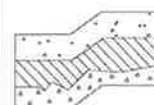
PROJECT NAME: Freeman Logistics PROJ. NO: T-8565 LOGGED BY: JCS

LOCATION: Pierce County, Washington SURFACE CONDITIONS: Grasses APPROX. ELEV: NA

DATE LOGGED: June 25, 2021 DEPTH TO GROUNDWATER: 7.5 ft DEPTH TO CAVING: NA

Depth (ft)	Sample No.	Description	Consistency/ Relative Density	W (%)
0		3 inches Sod and Topsoil.		
1		Brown SILT, dry to moist. (ML)		
2				
3	1	Dark gray-brown SAND, fine grained, moist. (SP)		6.8
4				
5	2	Gray-brown SILT, moist, mottled. (ML)		37.5
6				
7				
8				
9		Interbedded dark gray SILT and dark gray-brown fine SAND, moist to wet. (ML and SP)		
10				
		Test pit terminated at 9 feet. Light groundwater seepage below 7.5 feet.		

NOTE: This subsurface information pertains only to this test pit location and should not be interpreted as being indicative of other locations at the site.



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LOG OF TEST PIT NO. 5

Figure A-15

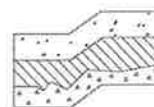
PROJECT NAME: Freeman Logistics PROJ. NO: T-8565 LOGGED BY: JCS

LOCATION: Pierce County, Washington SURFACE CONDITIONS: Bare APPROX. ELEV: NA

DATE LOGGED: June 25, 2021 DEPTH TO GROUNDWATER: NA DEPTH TO CAVING: NA

Depth (ft)	Sample No.	Description	Consistency/ Relative Density	W (%)
0		Brown to gray-brown SILT, moist, mottled below 3.5 feet. (ML)	Medium Dense	28
1				
2				
3				
4				
5	1	Dark gray-brown silty SAND, fine grained, moist. (SM)		
6				
7				
8		Gray SILT, wet. (ML)	Loose to Medium Dense	36.9
9	2			
10		Test pit terminated at 9 feet. No groundwater seepage.		

NOTE: This subsurface information pertains only to this test pit location and should not be interpreted as being indicative of other locations at the site.



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LOG OF TEST PIT NO. 6

Figure A-16

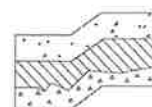
PROJECT NAME: Freeman Logistics PROJ. NO: T-8565 LOGGED BY: JCS

LOCATION: Pierce County, Washington SURFACE CONDITIONS: Grass Lawn APPROX. ELEV: NA

DATE LOGGED: June 25, 2021 DEPTH TO GROUNDWATER: NA DEPTH TO CAVING: NA

Depth (ft)	Sample No.	Description	Consistency/ Relative Density	W (%)
0		2 inches Sod and Topsoil.		
1		Brown to gray-brown SILT, moist, scattered mottling. (ML)		
2				
3		Dark gray-brown SAND, fine grained, moist. (SP)		
4				
5			Medium Dense	
6		Gray-brown silty SAND to sandy SILT, fine sand, moist to wet. (SM/ML)		
7				
8		Gray SILT to sandy SILT, fine sand, moist to wet. (ML)		
9				
10		Test pit terminated at 9.5 feet. No groundwater seepage.		

NOTE: This subsurface information pertains only to this test pit location and should not be interpreted as being indicative of other locations at the site.



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LOG OF TEST PIT NO. 7

Figure A-17

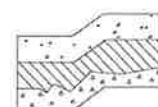
PROJECT NAME: Freeman Logistics PROJ. NO: T-8565 LOGGED BY: JCS

LOCATION: Pierce County, Washington SURFACE CONDITIONS: Grasses/Brush APPROX. ELEV: NA

DATE LOGGED: June 25, 2021 DEPTH TO GROUNDWATER: 8 ft DEPTH TO CAVING: NA

Depth (ft)	Sample No.	Description	Consistency/ Relative Density	W (%)
0		4 inches Sod and Topsoil.		
1		Brown to gray-brown SILT, moist. (ML)		
2				
3		Gray-brown SAND with silt to silty SAND, fine grained, moist. (SP-SM/SM)		
4	1		Medium Dense	32.9
5		Gray-brown to gray SILT, moist, scattered iron-oxide stained pockets. (ML)		
6				
7				
8		Dark gray-brown SAND, fine grained, wet. (SP)		
9		Test pit terminated at 9 feet. Light groundwater seepage below 8 feet.		
10				

NOTE: This subsurface information pertains only to this test pit location and should not be interpreted as being indicative of other locations at the site.



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LOG OF TEST PIT NO. 8

Figure A-18

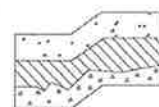
PROJECT NAME: Freeman Logistics PROJ. NO: T-8565 LOGGED BY: JCS

LOCATION: Pierce County, Washington SURFACE CONDITIONS: Brush APPROX. ELEV: NA

DATE LOGGED: June 25, 2021 DEPTH TO GROUNDWATER: NA DEPTH TO CAVING: NA

Depth (ft)	Sample No.	Description	Consistency/ Relative Density	W (%)
0		6 inches Sod and Topsoil.		
1	1	Brown to gray-brown SILT, moist, scattered mottling, scattered dark gray fine sand layers. (ML)		19.1
2				
3			Medium Dense	
4				
5				
6				
7		Gray SILT, wet. (ML)		
8			Loose	
9	2	Test pit terminated at 9 feet. No groundwater seepage.		35.8
10				

NOTE: This subsurface information pertains only to this test pit location and should not be interpreted as being indicative of other locations at the site.



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LOG OF TEST PIT NO. 9

Figure A-19

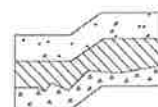
PROJECT NAME: Freeman Logistics PROJ. NO: T-8565 LOGGED BY: JCS

LOCATION: Pierce County, Washington SURFACE CONDITIONS: Grasses APPROX. ELEV: NA

DATE LOGGED: June 25, 2021 DEPTH TO GROUNDWATER: 7 ft DEPTH TO CAVING: NA

Depth (ft)	Sample No.	Description	Consistency/ Relative Density	W (%)
0		4 inches Sod and Topsoil.		
1		Brown to gray-brown SILT, dry to moist, scattered mottling. (ML)		
2				
3				
4				
5	1	Gray-brown SILT, moist, significant iron-oxide staining. (ML)	Medium Dense	41.7
6				
7		Dark gray SAND, fine grained, moist. (SP)		
8	2			27.9
9		Test pit terminated at 9 feet. Light groundwater seepage below 7 feet.		
10				

NOTE: This subsurface information pertains only to this test pit location and should not be interpreted as being indicative of other locations at the site.



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LOG OF TEST PIT NO. 10

Figure A-20

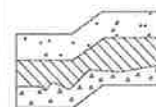
PROJECT NAME: Freeman Logistics **PROJ. NO:** T-8565 **LOGGED BY:** JCS

LOCATION: Pierce County, Washington **SURFACE CONDITIONS:** Grasses **APPROX. ELEV:** NA

DATE LOGGED: June 25, 2021 **DEPTH TO GROUNDWATER:** NA **DEPTH TO CAVING:** NA

Depth (ft)	Sample No.	Description	Consistency/ Relative Density	W (%)
0		4 inches Sod and Topsoil.		
1		Brown to gray-brown SILT, dry to moist, scattered mottling. (ML)		
2				
3			Medium Dense	
4		Gray-brown SILT, moist, significant iron-oxide staining. (ML)		
5				
6		Gray-brown to gray SILT, wet, scattered dark gray-brown fine sand layers. (ML)		
7			Loose to Medium Dense	
8				
9		Test pit terminated at 9 feet. No groundwater seepage.		
10				

NOTE: This subsurface information pertains only to this test pit location and should not be interpreted as being indicative of other locations at the site.



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LOG OF TEST PIT NO. 11

Figure A-21

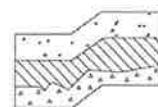
PROJECT NAME: Freeman Logistics PROJ. NO: T-8565 LOGGED BY: JCS

LOCATION: Pierce County, Washington SURFACE CONDITIONS: Grasses APPROX. ELEV: NA

DATE LOGGED: June 25, 2021 DEPTH TO GROUNDWATER: NA DEPTH TO CAVING: NA

Depth (ft)	Sample No.	Description	Consistency/ Relative Density	W (%)
0		Brown to gray-brown SILT, dry to moist, mottled below 1.5 feet. (ML)	Medium Dense	
1				
2				
3			Medium Dense	
4		Interbedded gray-brown SILT and dark gray-brown fine SAND, moist. (ML and SP)		
5				
6		Dark gray SAND, fine grained, moist to wet, scattered dark gray silty fine sand layers. (SP)		
7				
8				
9		Test pit terminated at 9 feet. No groundwater seepage.		
10				

NOTE: This subsurface information pertains only to this test pit location and should not be interpreted as being indicative of other locations at the site.



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LOG OF TEST PIT NO. 12

Figure A-22

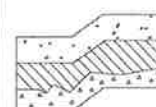
PROJECT NAME: Freeman Logistics PROJ. NO: T-8565 LOGGED BY: JCS

LOCATION: Pierce County, Washington SURFACE CONDITIONS: Grasses APPROX. ELEV: NA

DATE LOGGED: June 25, 2021 DEPTH TO GROUNDWATER: NA DEPTH TO CAVING: NA

Depth (ft)	Sample No.	Description	Consistency/ Relative Density	W (%)
0		3 inches Sod and Topsoil.		
1		Brown to gray-brown SILT, dry to moist, mottled below 2 feet. (ML)		
2				
3		Interbedded gray SILT and dark gray-brown fine SAND, moist to wet. (ML and SP)		
4				
5				
6	1	Dark gray SAND, fine grained, moist to wet, scattered dark gray silty fine sand layers. (SP)	Medium Dense	30.2
7				
8				
9		Test pit terminated at 9 feet. No groundwater seepage.		
10				

NOTE: This subsurface information pertains only to this test pit location and should not be interpreted as being indicative of other locations at the site.



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LOG OF TEST PIT NO. 13

Figure A-23

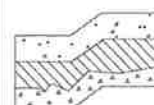
PROJECT NAME: Freeman Logistics PROJ. NO: T-8565 LOGGED BY: JCS

LOCATION: Pierce County, Washington SURFACE CONDITIONS: Grasses APPROX. ELEV: NA

DATE LOGGED: June 25, 2021 DEPTH TO GROUNDWATER: 8 ft DEPTH TO CAVING: NA

Depth (ft)	Sample No.	Description	Consistency/ Relative Density	W (%)
0		3 inches Sod and Topsoil.		
1		Brown to gray-brown SILT, dry to moist, mottled below 2 feet. (ML)		
2				
3		Interbedded gray SILT and dark gray-brown fine SAND, moist to wet. (ML and SP)		
4				
5		Dark gray SAND, fine grained, moist to wet, scattered dark gray silty fine sand layers. (SP)	Medium Dense	
6				
7				
8				
9		Test pit terminated at 9 feet. Light to moderate groundwater seepage below 8 feet		
10				

NOTE: This subsurface information pertains only to this test pit location and should not be interpreted as being indicative of other locations at the site.



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LOG OF TEST PIT NO. TP-101

Figure A-24

PROJECT NAME: Freeman Logistics **PROJ. NO:** T-8565 **LOGGED BY:** SLK

LOCATION: Pierce County, Washington **SURFACE CONDITIONS:** Long Grass **APPROX. ELEV:** N/A

DATE LOGGED: June 22, 2022 **DEPTH TO GROUNDWATER:** N/A **DEPTH TO CAVING:** 7 to 12 feet

Depth (ft)	Sample No.	Description	Consistency/ Relative Density	W (%)
0		Black SILT with sand, fine sand, moist, moderate organic inclusions. (ML) (Topsoil)	Loose	
1		Brown silty SAND, fine to medim sand, moist. (SM)		7.4
2				
3		Grayish-brown silty SAND/sandy SILT, wet, slightly mottled. (SM/ML)	Medium Dense	31.6
4				
5				
6				
7		Brown sandy SILT/silty SAND, wet, fine sand, very minor peat inclusions. (SP)		39.0
8				
9			Loose/Medium Dense	
10				
11				
12		Test pit terminated at 12 feet. No groundwater seepage observed. Moderate caving observed from 7 to 12 feet.		30.7
13				
14				

NOTE: This subsurface information pertains only to this test pit location and should not be interpreted as being indicative of other locations at the site.



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LOG OF TEST PIT NO. TP-102

Figure A-25

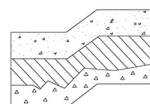
PROJECT NAME: Freeman Logistics **PROJ. NO:** T-8565 **LOGGED BY:** SLK

LOCATION: Pierce County, Washington **SURFACE CONDITIONS:** Long Grass **APPROX. ELEV:** N/A

DATE LOGGED: June 22, 2022 **DEPTH TO GROUNDWATER:** N/A **DEPTH TO CAVING:** 7 to 12 feet

Depth (ft)	Sample No.	Description	Consistency/ Relative Density	W (%)
0		(10 inches Topsoil)	Loose	
1		Brown silty SAND, fine to medium sand, moist, scattered organics. (SM)		
2				20.0
3		Bedded layers of grayish-brown and red/orange silty SAND and sandy SILT, fine sand, moist, heavily mottled. (SM/ML)	Medium Dense	34.8
4				
5				
6				30.3
7		Brown sandy SILT/silty SAND, fine sand, moist, some mottling. (ML/SM)		
8				
9			Loose/Medium Dense	29.8
10				
11				
12		Gray silty SAND/sandy SILT, fine sand, moist, weakly cemented. (SM/ML)	Medium Dense/Dense	
13				31.9
14		Test pit terminated at 13 feet. No groundwater seepage observed. Moderate caving observed from 7 to 12 feet.		
15				

NOTE: This subsurface information pertains only to this test pit location and should not be interpreted as being indicative of other locations at the site.



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LOG OF TEST PIT NO. TP-103

Figure A-26

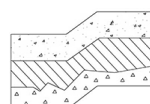
PROJECT NAME: Freeman Logistics **PROJ. NO:** T-8565 **LOGGED BY:** SLK

LOCATION: Pierce County, Washington **SURFACE CONDITIONS:** Long Grass **APPROX. ELEV:** N/A

DATE LOGGED: June 22, 2022 **DEPTH TO GROUNDWATER:** N/A **DEPTH TO CAVING:** 4.5 to 11 feet

Depth (ft)	Sample No.	Description	Consistency/ Relative Density	W (%)
0		(6 inches Topsoil)	Loose	
1		Intermixed brown silty SAND and dark gray SAND with silt, fine to medium sand, moist. (SM/SP-SM)		
2			Medium Dense	
3		Dark gray SAND, fine to medium sand, moist, trace silt. (SP)		7.8
4				
5		Grayish-brown sandy SILT/silty SAND, fine sand, moist, mottled. (ML/SM)		
6				
7			Loose/Medium Dense	42.6
8				
9				
10				
11		Gray silty SAND/sandy SILT, fine sand, moist to wet, trace peat. (SM/ML)	Medium Dense	47.5
12		Test pit terminated at 12 feet. No groundwater seepage observed. Moderate caving observed from 4.5 to 11 feet.		46.8
13				
14				

NOTE: This subsurface information pertains only to this test pit location and should not be interpreted as being indicative of other locations at the site.



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LOG OF TEST PIT NO. TP-104

Figure A-27

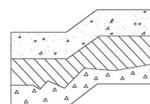
PROJECT NAME: Freeman Logistics **PROJ. NO:** T-8565 **LOGGED BY:** SLK

LOCATION: Pierce County, Washington **SURFACE CONDITIONS:** Long Grass **APPROX. ELEV:** N/A

DATE LOGGED: June 22, 2022 **DEPTH TO GROUNDWATER:** N/A **DEPTH TO CAVING:** 8.5 to 13 feet

Depth (ft)	Sample No.	Description	Consistency/ Relative Density	W (%)
0		Black SILT with sand, fine sand, moist, moderate organic inclusions. (ML) (Topsoil)	Loose	
1		Brown silty SAND, fine to medim sand, moist, scattered roots. (SM)		
2		Grayish-brown and red/orange sandy SILT, fine sand, moist, heavily mottled. (ML)		
3				40.1
4				
5			Medium Dense	
6				
7				
8				
9		Bedded layers of dark gray and grayish-brown silty SAND and sandy SILT, fine sand, moist. (SM/ML)		30.9
10				
11			Loose/Medium Dense	
12				
13		Test pit terminated at 13 feet. No groundwater seepage observed. Light to moderate caving observed from 8.5 to 13 feet.		29.3
14				
15				

NOTE: This subsurface information pertains only to this test pit location and should not be interpreted as being indicative of other locations at the site.



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LOG OF TEST PIT NO. TP-105

Figure A-28

PROJECT NAME: Freeman Logistics **PROJ. NO:** T-8565 **LOGGED BY:** SLK

LOCATION: Pierce County, Washington **SURFACE CONDITIONS:** Long Grass **APPROX. ELEV:** N/A

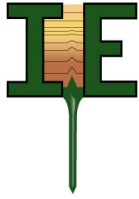
DATE LOGGED: June 22, 2022 **DEPTH TO GROUNDWATER:** N/A **DEPTH TO CAVING:** 8 to 12 feet

Depth (ft)	Sample No.	Description	Consistency/ Relative Density	W (%)
0		(8 inches Topsoil)	Loose	37.2
1		FILL: Brown sandy SILT, fine to medim sand, moist, scattered roots. (SM)		
2		*Plastic membrane observed at about 1.5 feet.	Medium Dense	28.3
3		Grayish-brown silty SAND/sandy SILT, fine sand, moist. (SM/ML)		
4				
5				
6			Loose/Medium Dense	25.3
7				
8				
9				
10		Gray silty SAND/sandy SILT, fine sand, moist to wet, some mottling. (SM/ML)		
11				
12		Test pit terminated at 12 feet. No groundwater seepage observed.		
13		Moderate caving observed from 8 to 12 feet.		
14				

NOTE: This subsurface information pertains only to this test pit location and should not be interpreted as being indicative of other locations at the site.



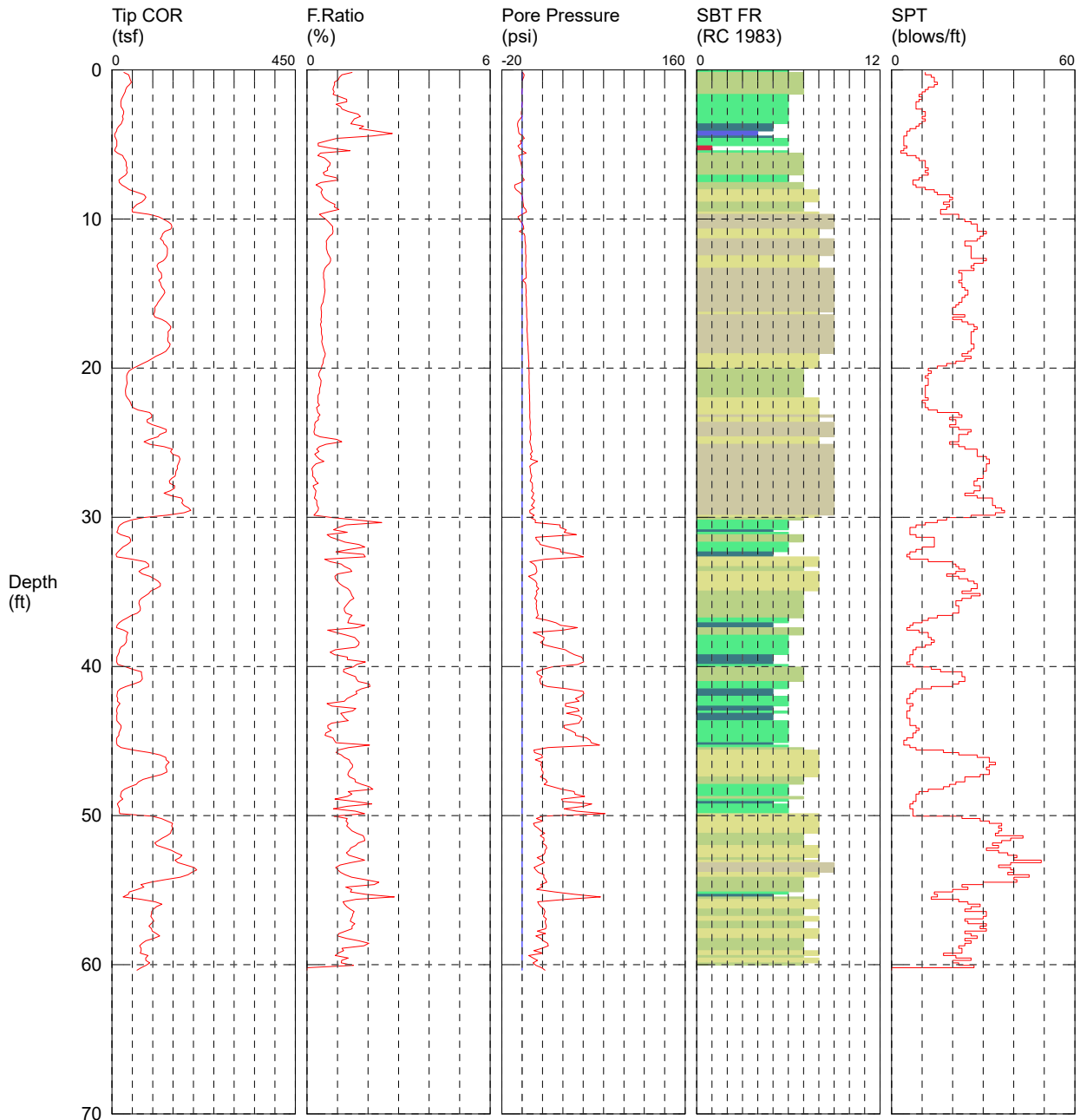
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Environmental Earth Sciences



CPT-01

CPT CONTRACTOR: In Situ Engineering
CUSTOMER: Terra Associates
LOCATION: Puyallup
JOB NUMBER: T-8565

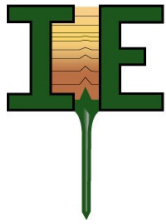
OPERATOR: Mayfield/Okbay
CONE ID: DDG1394
TEST DATE: 7/8/2021 10:05:10 AM
PREDRILL:
BACKFILL: 20% Bentonite Grout + Bentonite Chip
SURFACE PATCH:



COMMENT:

- | | | | |
|--------------------------|-----------------------------|----------------------------|--------------------------------|
| 1 sensitive fine grained | 4 silty clay to clay | 7 silty sand to sandy silt | 10 gravelly sand to sand |
| 2 organic material | 5 clayey silt to silty clay | 8 sand to silty sand | 11 very stiff fine grained (*) |
| 3 clay | 6 sandy silt to clayey silt | 9 sand | 12 sand to clayey sand (*) |

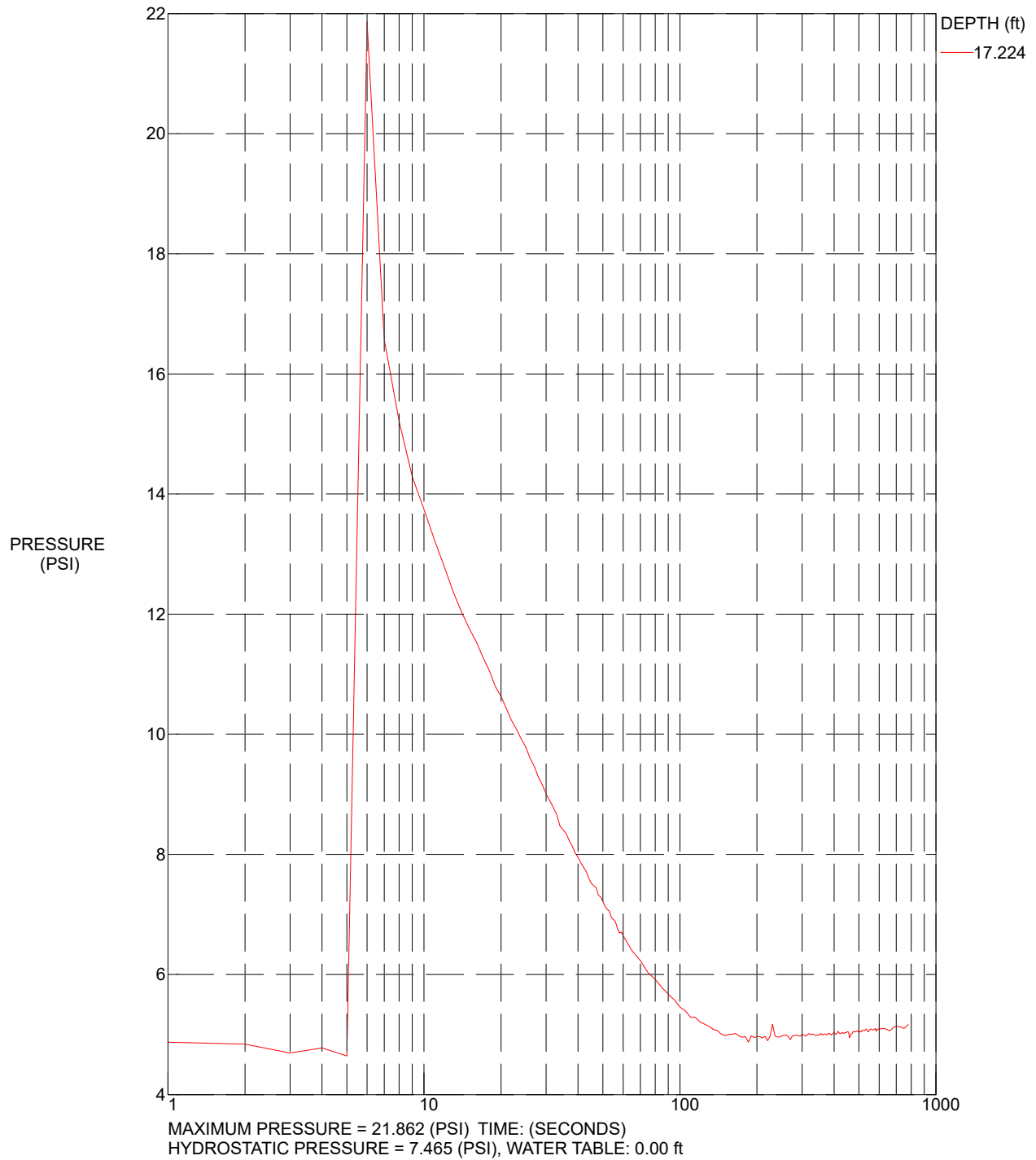
*SBT/SPT CORRELATION: UBC-1983

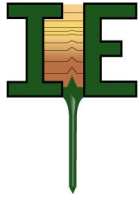


CPT-01

OPERATOR: Mayfield/Okbay
CUSTOMER: Terra Associates
LOCATION: Puyallup
JOB NUMBER: T-8565

CPT CONTRACTOR: In Situ Engineering
CONE ID: DDG1394
TEST DATE: 07/08/2021

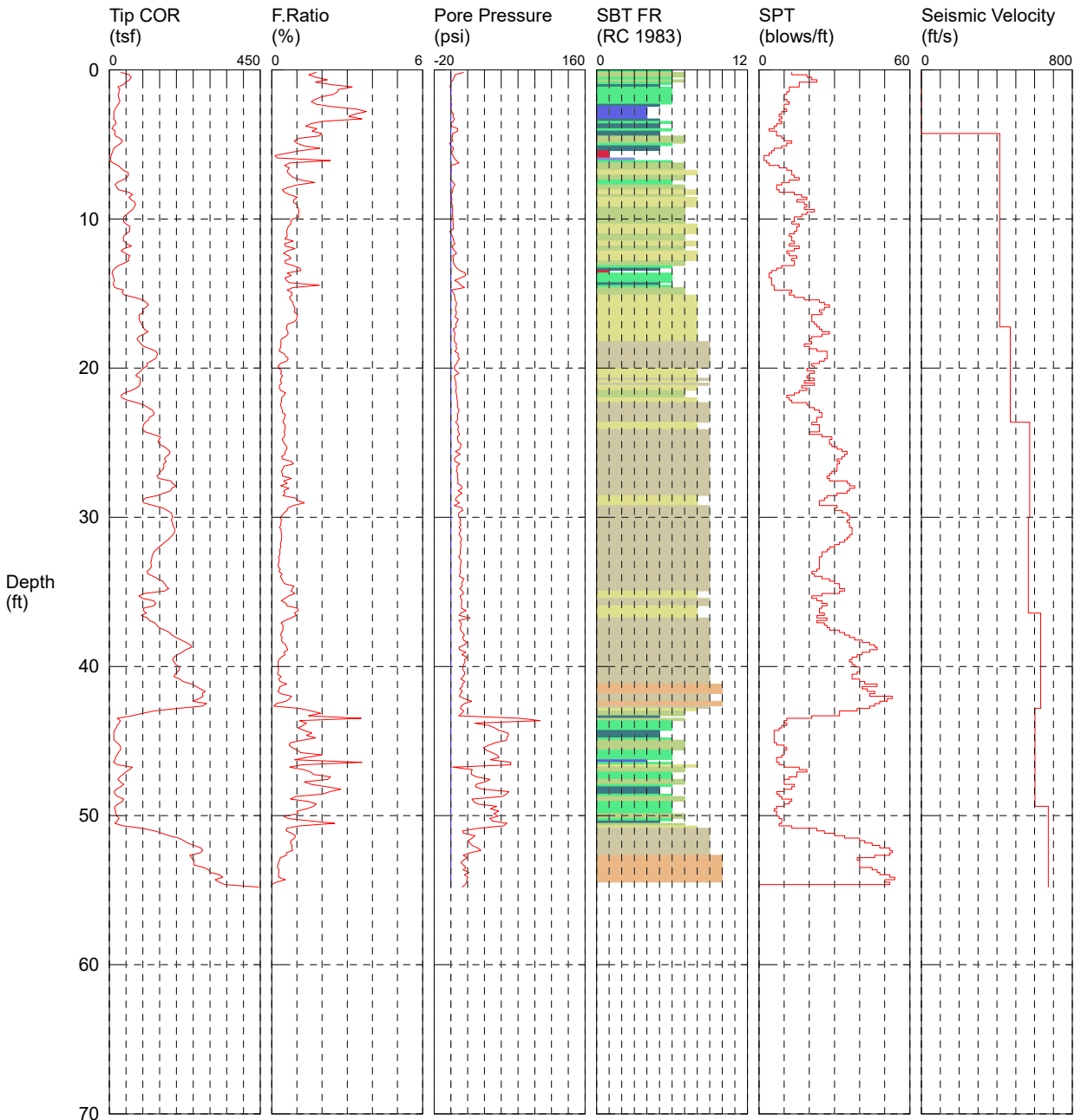




CPT-02

CPT CONTRACTOR: In Situ Engineering
CUSTOMER: Terra Associates
LOCATION: Puyallup
JOB NUMBER: T-8565

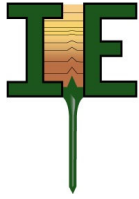
OPERATOR: Mayfield/Okbay
CONE ID: DDG1394
TEST DATE: 7/8/2021 1:09:48 PM
PREDRILL:
BACKFILL: 20% Bentonite Grout + Bentonite Chip
SURFACE PATCH:



COMMENT:

- | | | | |
|--------------------------|-----------------------------|----------------------------|--------------------------------|
| 1 sensitive fine grained | 4 silty clay to clay | 7 silty sand to sandy silt | 10 gravelly sand to sand |
| 2 organic material | 5 clayey silt to silty clay | 8 sand to silty sand | 11 very stiff fine grained (*) |
| 3 clay | 6 sandy silt to clayey silt | 9 sand | 12 sand to clayey sand (*) |

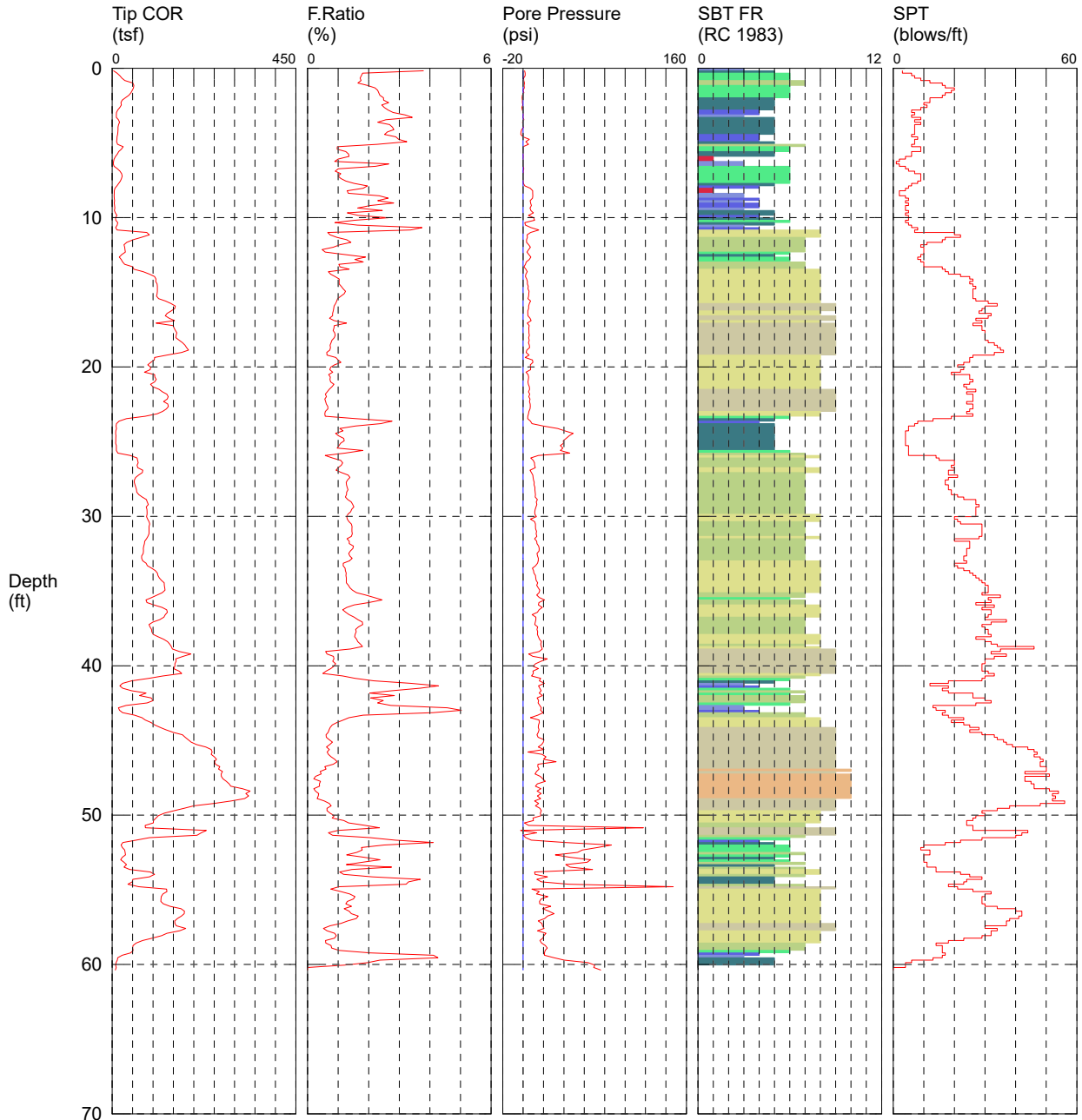
*SBT/SPT CORRELATION: UBC-1983



CPT-03

CPT CONTRACTOR: In Situ Engineering
CUSTOMER: Terra Associates
LOCATION: Puyallup
JOB NUMBER: T-8565

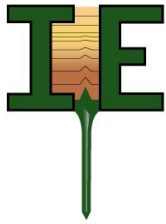
OPERATOR: Mayfield/Okbay
CONE ID: DDG1394
TEST DATE: 7/8/2021 11:30:56 AM
PREDRILL:
BACKFILL: 20% Bentonite Grout + Bentonite Chip
SURFACE PATCH:



COMMENT:

- | | | | |
|--------------------------|-----------------------------|----------------------------|--------------------------------|
| 1 sensitive fine grained | 4 silty clay to clay | 7 silty sand to sandy silt | 10 gravelly sand to sand |
| 2 organic material | 5 clayey silt to silty clay | 8 sand to silty sand | 11 very stiff fine grained (*) |
| 3 clay | 6 sandy silt to clayey silt | 9 sand | 12 sand to clayey sand (*) |

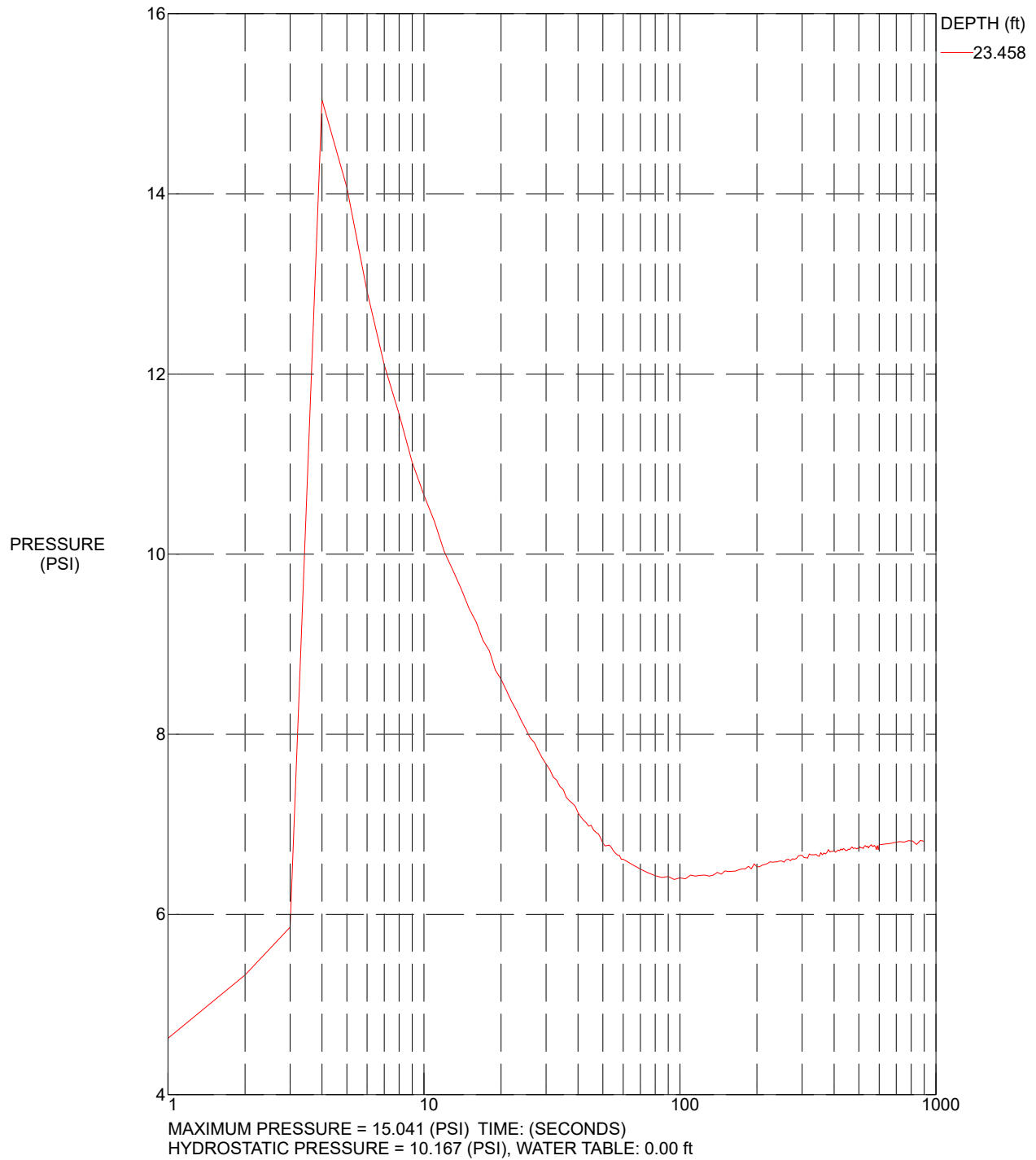
*SBT/SPT CORRELATION: UBC-1983

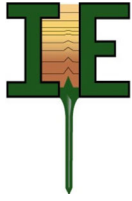


CPT-03

OPERATOR: Mayfield/Okbay
CUSTOMER: Terra Associates
LOCATION: Puyallup
JOB NUMBER: T-8565

CPT CONTRACTOR: In Situ Engineering
CONE ID: DDG1394
TEST DATE: 07/08/2021

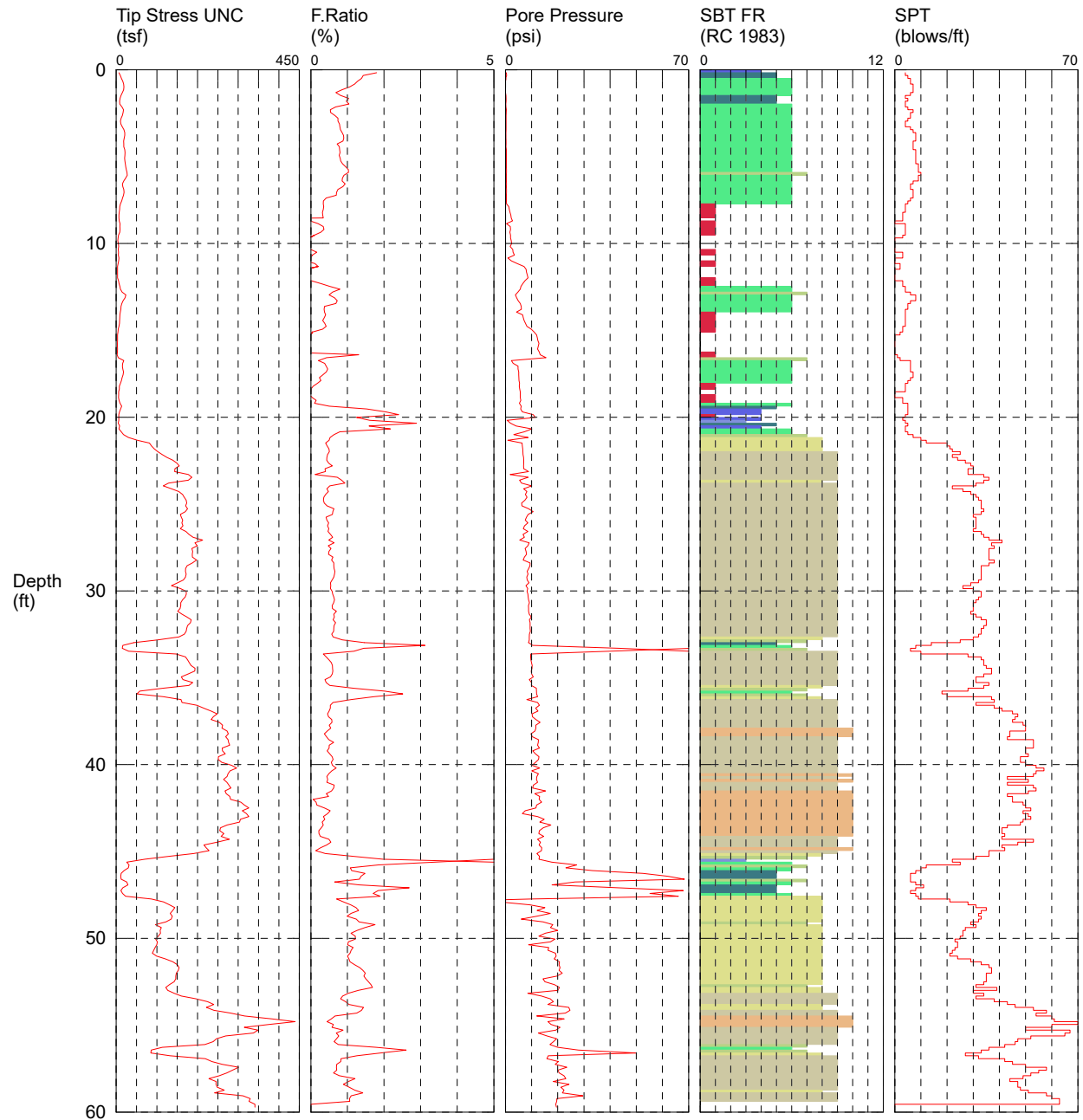




CPT-101

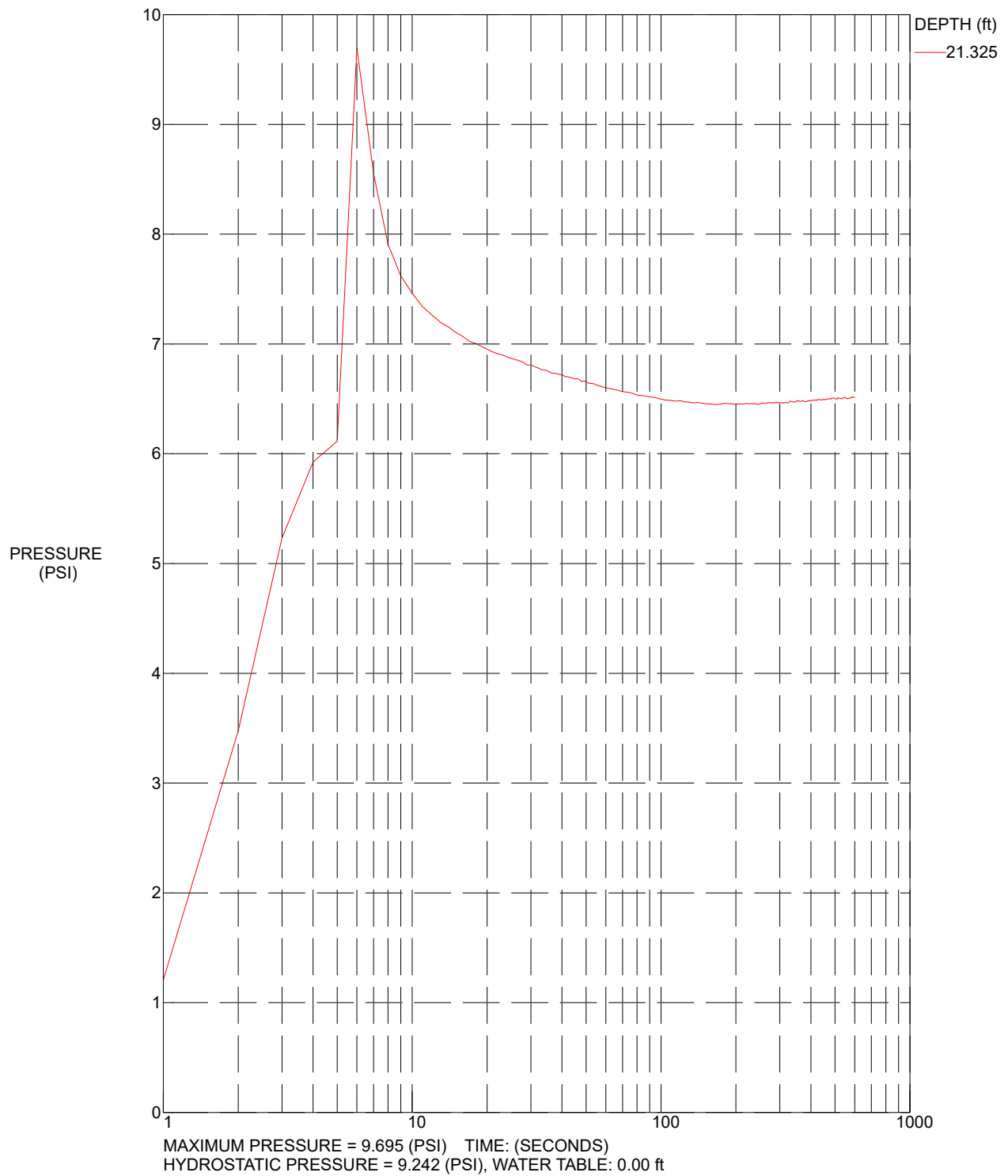
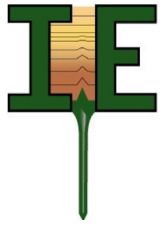
CPT CONTRACTOR: In Situ Engineering
CUSTOMER: Terra Associates
LOCATION: Puyallup
JOB NUMBER: T-8565

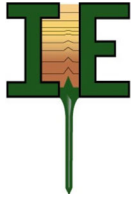
OPERATOR: Okbay/Forinash
CONE ID: DDG1263
TEST DATE: 6/9/2022 11:11:29 AM
PREDRILL:
BACKFILL:
SURFACE PATCH:



- | | | | |
|--------------------------|-----------------------------|----------------------------|--------------------------------|
| 1 sensitive fine grained | 4 silty clay to clay | 7 silty sand to sandy silt | 10 gravelly sand to sand |
| 2 organic material | 5 clayey silt to silty clay | 8 sand to silty sand | 11 very stiff fine grained (*) |
| 3 clay | 6 sandy silt to clayey silt | 9 sand | 12 sand to clayey sand (*) |

*SBT/SPT CORRELATION: UBC-1983

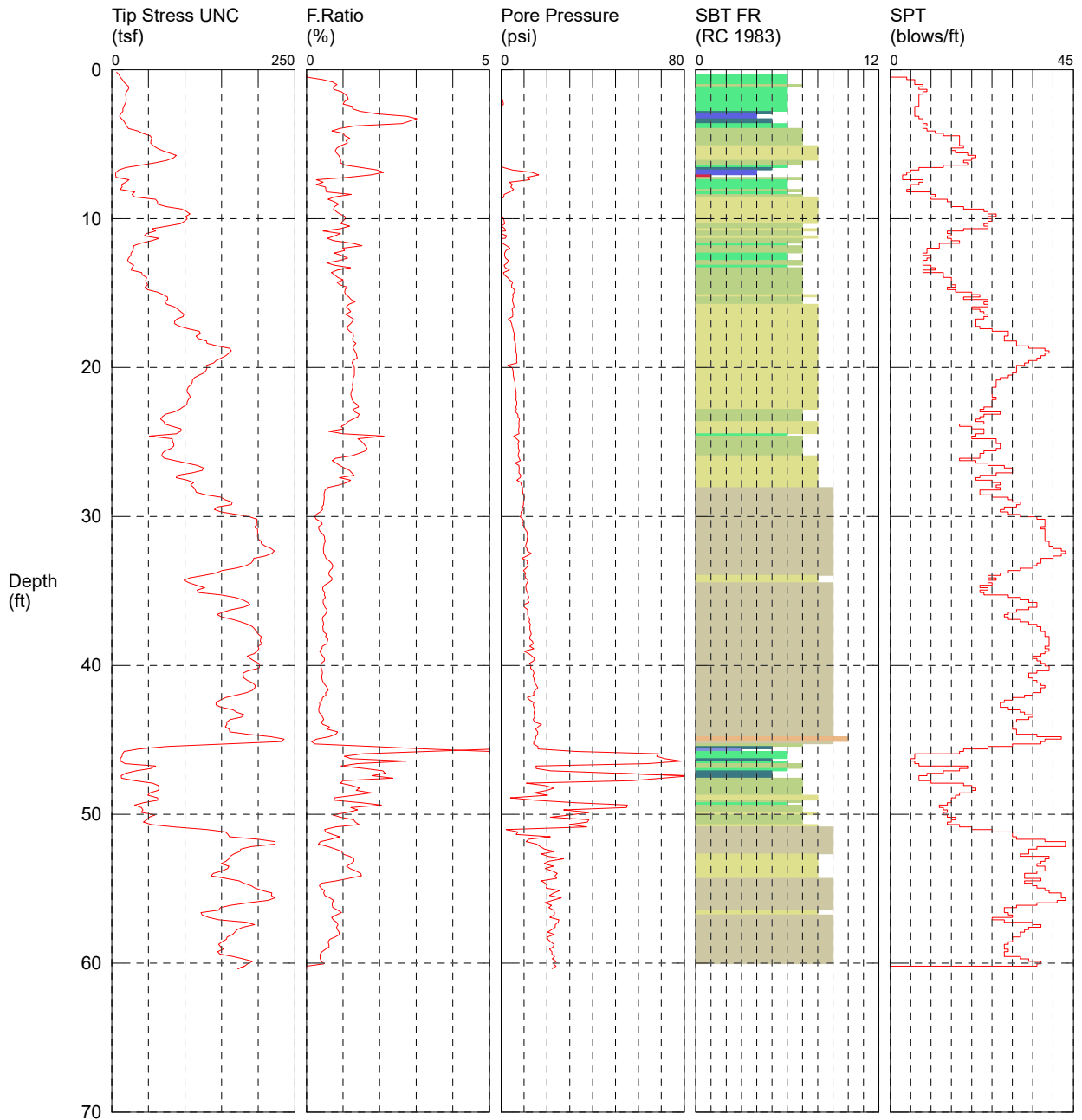




CPT-102

CPT CONTRACTOR: In Situ Engineering
CUSTOMER: Terra Associates
LOCATION: Puyallup
JOB NUMBER: T-8565

OPERATOR: Okbay/Forinash
CONE ID: DDG1263
TEST DATE: 6/9/2022 1:01:45 PM
PREDRILL:
BACKFILL:
SURFACE PATCH:



- | | | | |
|--------------------------|-----------------------------|----------------------------|--------------------------------|
| 1 sensitive fine grained | 4 silty clay to clay | 7 silty sand to sandy silt | 10 gravelly sand to sand |
| 2 organic material | 5 clayey silt to silty clay | 8 sand to silty sand | 11 very stiff fine grained (*) |
| 3 clay | 6 sandy silt to clayey silt | 9 sand | 12 sand to clayey sand (*) |

*SBT/SPT CORRELATION: UBC-1983

APPENDIX B

DOE WELL DETAILS AND DRILLER'S LOGS

Well Construction & Licensing



Well Report Search Results

[Edit Search Criteria](#)
[New Search](#)

Search Criteria Used:

- Left Coordinate: [1186628](#)
- Right Coordinate: [1190111](#)
- Top Coordinate: [688258](#)
- Bottom Coordinate: [692801](#)
- Well Type: [Water](#)

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#	Well Details	Location Details
1.	View PDF Well Owner: CARL SCHENK Well Tag ID: ACV549 Notice of Intent Number: Group Number: Not Applicable Well Report ID: 44962 Well Diameter: 8 in. Well Depth: 252 ft.	Tax Parcel Number: 0420205010 Well Address: 5112 85th Ave E County: PIERCE Public Land Survey: SE-NE / S-20 / T-20-N / R-4 -E Well Type: Water / Subtype: Unknown Well Completion Date: 04-25-1986 Well Report Received Date: 05-08-1986
2.	View PDF Well Owner: CITY OF PUYALLUP Well Tag ID: Notice of Intent Number: 036552 Group Number: Not Applicable Well Report ID: 45289 Well Diameter: 30 in. Well Depth: 50 ft.	Tax Parcel Number: Well Address: RIVER RD, PUYALLUP County: PIERCE Public Land Survey: SW-NE / S-20 / T-20-N / R-04-E Well Type: Water / Subtype: Unknown Well Completion Date: 03-20-1998 Well Report Received Date: 04-13-1998
3.	View PDF Well Owner: CITY OF PUYALLUP Well Tag ID: BAH002 Notice of Intent Number: D036951 Group Number: Not Applicable Well Report ID: 481468 Well Diameter: 36 in. Well Depth: 20 ft.	Tax Parcel Number: Well Address: VALLEY AVE AND 86TH County: PIERCE Public Land Survey: NW-NW / S-21 / T-20-N / R-04-E Well Type: Water / Subtype: Dewatering Well Completion Date: 03-20-2007 Well Report Received Date: 05-17-2007
4.	View PDF Well Owner: CITY OF PUYALLUP Well Tag ID: BAH002 Notice of Intent Number: D036951 Group Number: Not Applicable Well Report ID: 498891 Well Diameter: 36 in. Well Depth: 20 ft.	Tax Parcel Number: Well Address: VALLEY AVE AND 86TH County: PIERCE Public Land Survey: NW-NW / S-21 / T-20-N / R-04-E Well Type: Water / Subtype: Dewatering Well Completion Date: 03-20-2007 Well Report Received Date: 10-29-2007

5.	View PDF	<p>Well Owner: CITY OF PUYALLUP</p> <p>Well Tag ID: BAH002</p> <p>Notice of Intent Number: D036951</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 498893</p> <p>Well Diameter: 36 in.</p> <p>Well Depth: 20 ft.</p>	<p>Tax Parcel Number:</p> <p>Well Address: VALLEY AVE AND 86TH</p> <p>County: PIERCE</p> <p>Public Land Survey: NW-NW / S-21 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Dewatering</p> <p>Well Completion Date: 03-20-2007</p> <p>Well Report Received Date: 10-29-2007</p>
6.	View PDF	<p>Well Owner: CITY OF PUYALLUP</p> <p>Well Tag ID: BAH002</p> <p>Notice of Intent Number: D036951</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 498895</p> <p>Well Diameter: 36 in.</p> <p>Well Depth: 20 ft.</p>	<p>Tax Parcel Number:</p> <p>Well Address: VALLEY AVE AND 86TH</p> <p>County: PIERCE</p> <p>Public Land Survey: NW-NW / S-21 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Dewatering</p> <p>Well Completion Date: 03-20-2007</p> <p>Well Report Received Date: 10-29-2007</p>
7.	View PDF	<p>Well Owner: CITY OF PUYALLUP</p> <p>Well Tag ID: BAH002</p> <p>Notice of Intent Number: D036951</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 498897</p> <p>Well Diameter: 36 in.</p> <p>Well Depth: 20 ft.</p>	<p>Tax Parcel Number:</p> <p>Well Address: VALLEY AVE AND 86TH</p> <p>County: PIERCE</p> <p>Public Land Survey: NW-NW / S-21 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Dewatering</p> <p>Well Completion Date: 03-20-2007</p> <p>Well Report Received Date: 10-29-2007</p>
8.	View PDF	<p>Well Owner: DANA WINSLOW</p> <p>Well Tag ID: AKN589</p> <p>Notice of Intent Number: WE02633</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 386687</p> <p>Well Diameter: 6 in.</p> <p>Well Depth: 115 ft.</p>	<p>Tax Parcel Number: 0420205019</p> <p>Well Address: 4812 FREEMAN RD E, PUYALLUP 98371</p> <p>County: PIERCE</p> <p>Public Land Survey: NW-NE / S-20 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Unknown</p> <p>Well Completion Date: 09-16-2004</p> <p>Well Report Received Date: 09-23-2004</p>
9.	View PDF	<p>Well Owner: ERNEST V SCHAAF</p> <p>Well Tag ID: AKB306</p> <p>Notice of Intent Number:</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 398033</p> <p>Well Diameter: 8 in.</p> <p>Well Depth: 283 ft.</p>	<p>Tax Parcel Number:</p> <p>Well Address:</p> <p>County: PIERCE</p> <p>Public Land Survey: NW-NE / S-20 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Unknown</p> <p>Well Completion Date: 06-23-1983</p> <p>Well Report Received Date:</p>
10.	View PDF	<p>Well Owner: GOHN SESSLER</p> <p>Well Tag ID: AET436</p> <p>Notice of Intent Number: W091983</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 123757</p> <p>Well Diameter: 6 in.</p> <p>Well Depth: 111 ft.</p>	<p>Tax Parcel Number:</p> <p>Well Address: 4723 FREEMAN RD, PUYALLUP</p> <p>County: PIERCE</p> <p>Public Land Survey: SE-SE / S-17 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Unknown</p> <p>Well Completion Date: 07-14-1999</p> <p>Well Report Received Date:</p>
11.	View PDF	<p>Well Owner: IAC Port 167</p> <p>Well Tag ID: BCN827</p> <p>Notice of Intent Number: DE01384</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 903923</p> <p>Well Diameter: 12 in.</p> <p>Well Depth: 51 ft.</p>	<p>Tax Parcel Number: 0420163701</p> <p>Well Address: 1212 Valley Avenue NW</p> <p>County: PIERCE</p> <p>Public Land Survey: SW-SW / S-16 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Dewatering</p> <p>Well Completion Date: 12-12-2013</p> <p>Well Report Received Date: 02-12-2014</p>

12.	View PDF	<p>Well Owner: L & M LYONS</p> <p>Well Tag ID:</p> <p>Notice of Intent Number: W010318</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 49550</p> <p>Well Diameter: 6 in.</p> <p>Well Depth: 135 ft.</p>	<p>Tax Parcel Number:</p> <p>Well Address: 8315 49TH ST E, PUYALLUP</p> <p>County: PIERCE</p> <p>Public Land Survey: NE-NE / S-20 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Unknown</p> <p>Well Completion Date: 02-03-1994</p> <p>Well Report Received Date:</p>
13.	View PDF	<p>Well Owner: LINDA BLODGET</p> <p>Well Tag ID:</p> <p>Notice of Intent Number: W054843</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 49877</p> <p>Well Diameter: 6 in.</p> <p>Well Depth: 111 ft.</p>	<p>Tax Parcel Number:</p> <p>Well Address: 5110 FREEMAN RD, ORTING</p> <p>County: PIERCE</p> <p>Public Land Survey: NW-NE / S-20 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Unknown</p> <p>Well Completion Date: 05-26-1995</p> <p>Well Report Received Date:</p>
14.	View PDF	<p>Well Owner: MARK HOCKS</p> <p>Well Tag ID: AKN597</p> <p>Notice of Intent Number: W165115</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 389493</p> <p>Well Diameter: 6 in.</p> <p>Well Depth: 118 ft.</p>	<p>Tax Parcel Number: 0420205018</p> <p>Well Address: 4802 FREEMAN RD S,FIFE</p> <p>County: PIERCE</p> <p>Public Land Survey: NE-NE / S-20 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Unknown</p> <p>Well Completion Date: 09-27-2004</p> <p>Well Report Received Date: 09-09-2004</p>
15.	View PDF	<p>Well Owner: MICHAEL BLODGITT</p> <p>Well Tag ID:</p> <p>Notice of Intent Number:</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 50339</p> <p>Well Diameter: 6 in.</p> <p>Well Depth: 275 ft.</p>	<p>Tax Parcel Number:</p> <p>Well Address:</p> <p>County: PIERCE</p> <p>Public Land Survey: NW-NE / S-20 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Unknown</p> <p>Well Completion Date: 11-23-1976</p> <p>Well Report Received Date: 12-15-1976</p>
16.	View PDF	<p>Well Owner: MIKE FLECHER GOOD STEWART TRUST</p> <p>Well Tag ID: AFC523</p> <p>Notice of Intent Number: W121629</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 301257</p> <p>Well Diameter: 6 in.</p> <p>Well Depth: 102 ft.</p>	<p>Tax Parcel Number:</p> <p>Well Address: 7909 48TH ST E FIFE 98424</p> <p>County: PIERCE</p> <p>Public Land Survey: SE-SE / S-17 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Unknown</p> <p>Well Completion Date: 12-22-1999</p> <p>Well Report Received Date: 12-11-2000</p>
17.	View PDF	<p>Well Owner: STEVE KINDEL</p> <p>Well Tag ID: ACM686</p> <p>Notice of Intent Number: W089301</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 55853</p> <p>Well Diameter: 6 in.</p> <p>Well Depth: 115 ft.</p>	<p>Tax Parcel Number:</p> <p>Well Address: 4519 FREEMAN RD, PUYALLUP</p> <p>County: PIERCE</p> <p>Public Land Survey: SW-SE / S-17 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Unknown</p> <p>Well Completion Date: 12-12-1996</p> <p>Well Report Received Date: 03-07-1997</p>
18.	View PDF	<p>Well Owner: Trammell Crow Company</p> <p>Well Tag ID: BIA323</p> <p>Notice of Intent Number: DE01370</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 1546938</p> <p>Well Diameter: 1.5 in.</p> <p>Well Depth: 26 ft.</p>	<p>Tax Parcel Number:</p> <p>Well Address: Valley Ave NE & 27th Ave CT NW</p> <p>County: PIERCE</p> <p>Public Land Survey: SW-SW / S-16 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Dewatering</p> <p>Well Completion Date: 10-11-2013</p> <p>Well Report Received Date: 03-30-2016</p>

19.	View PDF	<p>Well Owner: Trammell Crow Company</p> <p>Well Tag ID: BIA324</p> <p>Notice of Intent Number: DE01370</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 1551694</p> <p>Well Diameter: 1.5 in.</p> <p>Well Depth: 26 ft.</p>	<p>Tax Parcel Number:</p> <p>Well Address: Valley Ave NE & 27th Ave CT NW</p> <p>County: PIERCE</p> <p>Public Land Survey: SW-SW / S-16 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Dewatering</p> <p>Well Completion Date: 10-11-2013</p> <p>Well Report Received Date: 03-30-2016</p>
20.	View PDF	<p>Well Owner: Trammell Crow Company</p> <p>Well Tag ID: BIA327</p> <p>Notice of Intent Number: DE01370</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 1551697</p> <p>Well Diameter: 1.5 in.</p> <p>Well Depth: 26 ft.</p>	<p>Tax Parcel Number:</p> <p>Well Address: Valley Ave NE & 27th Ave CT NW</p> <p>County: PIERCE</p> <p>Public Land Survey: SW-SW / S-16 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Dewatering</p> <p>Well Completion Date: 10-11-2013</p> <p>Well Report Received Date: 03-30-2016</p>
21.	View PDF	<p>Well Owner: Trammell Crow Company</p> <p>Well Tag ID: BIA329</p> <p>Notice of Intent Number: DE01370</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 1551698</p> <p>Well Diameter: 1.5 in.</p> <p>Well Depth: 26 ft.</p>	<p>Tax Parcel Number:</p> <p>Well Address: Valley Ave NE & 27th Ave CT NW</p> <p>County: PIERCE</p> <p>Public Land Survey: SW-SW / S-16 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Dewatering</p> <p>Well Completion Date: 10-11-2013</p> <p>Well Report Received Date: 03-30-2016</p>
22.	View PDF	<p>Well Owner: Trammell Crow Company</p> <p>Well Tag ID: BIA331</p> <p>Notice of Intent Number: DE01370</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 1551699</p> <p>Well Diameter: 1.5 in.</p> <p>Well Depth: 26 ft.</p>	<p>Tax Parcel Number:</p> <p>Well Address: Valley Ave NE & 27th Ave CT NW</p> <p>County: PIERCE</p> <p>Public Land Survey: SW-SW / S-16 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Dewatering</p> <p>Well Completion Date: 10-11-2013</p> <p>Well Report Received Date: 03-30-2016</p>
23.	View PDF	<p>Well Owner: Trammell Crow Company</p> <p>Well Tag ID: BIA334</p> <p>Notice of Intent Number: DE01370</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 1551701</p> <p>Well Diameter: 1.5 in.</p> <p>Well Depth: 26 ft.</p>	<p>Tax Parcel Number:</p> <p>Well Address: Valley Ave NE & 27th Ave CT NW</p> <p>County: PIERCE</p> <p>Public Land Survey: SW-SW / S-16 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Dewatering</p> <p>Well Completion Date: 10-11-2013</p> <p>Well Report Received Date: 03-30-2016</p>
24.	View PDF	<p>Well Owner: Trammell Crow Company</p> <p>Well Tag ID: BIA336</p> <p>Notice of Intent Number: DE01370</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 1551702</p> <p>Well Diameter: 1.5 in.</p> <p>Well Depth: 26 ft.</p>	<p>Tax Parcel Number:</p> <p>Well Address: Valley Ave NE & 27th Ave CT NW</p> <p>County: PIERCE</p> <p>Public Land Survey: SW-SW / S-16 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Dewatering</p> <p>Well Completion Date: 10-11-2013</p> <p>Well Report Received Date: 03-30-2016</p>
25.	View PDF	<p>Well Owner: Trammell Crow Company</p> <p>Well Tag ID: BIA342</p> <p>Notice of Intent Number: DE01370</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 1551703</p> <p>Well Diameter: 1.5 in.</p> <p>Well Depth: 26 ft.</p>	<p>Tax Parcel Number:</p> <p>Well Address: Valley Ave NE & 27th Ave CT NW</p> <p>County: PIERCE</p> <p>Public Land Survey: SW-SW / S-16 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Dewatering</p> <p>Well Completion Date: 10-11-2013</p> <p>Well Report Received Date: 03-30-2016</p>

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- Well Type: [Water](#)

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#		Well Details	Location Details
26.	View PDF	Well Owner: Trammell Crow Company Well Tag ID: BIA344 Notice of Intent Number: DE01370 Group Number: Not Applicable Well Report ID: 1551704 Well Diameter: 1.5 in. Well Depth: 26 ft.	Tax Parcel Number: Well Address: Valley Ave NE & 27th Ave CT NW County: PIERCE Public Land Survey: SW-SW / S-16 / T-20-N / R-04-E Well Type: Water / Subtype: Dewatering Well Completion Date: 10-11-2013 Well Report Received Date: 03-30-2016
27.	View PDF	Well Owner: Trammell Crow Company Well Tag ID: BIA349 Notice of Intent Number: DE01370 Group Number: Not Applicable Well Report ID: 1551705 Well Diameter: 1.5 in. Well Depth: 26 ft.	Tax Parcel Number: Well Address: Valley Ave NE & 27th Ave CT NW County: PIERCE Public Land Survey: SW-SW / S-16 / T-20-N / R-04-E Well Type: Water / Subtype: Dewatering Well Completion Date: 10-11-2013 Well Report Received Date: 03-30-2016
28.	View PDF	Well Owner: Trammell Crow Company Well Tag ID: BIA338 Notice of Intent Number: DE01370 Group Number: Not Applicable Well Report ID: 1551706 Well Diameter: 1.5 in. Well Depth: 26 ft.	Tax Parcel Number: Well Address: Valley Ave NE & 27th Ave CT NW County: PIERCE Public Land Survey: SW-SW / S-16 / T-20-N / R-04-E Well Type: Water / Subtype: Dewatering Well Completion Date: 10-11-2013 Well Report Received Date: 03-30-2016
29.	View PDF	Well Owner: Trammell Crow Company Well Tag ID: BIA326 Notice of Intent Number: DE01370 Group Number: Not Applicable Well Report ID: 1551711 Well Diameter: 1.5 in. Well Depth: 26 ft.	Tax Parcel Number: Well Address: Valley Ave NE & 27th Ave CT NW County: PIERCE Public Land Survey: SW-SW / S-16 / T-20-N / R-04-E Well Type: Water / Subtype: Dewatering Well Completion Date: 10-11-2013 Well Report Received Date: 03-30-2016

30.	View PDF	<p>Well Owner: Trammell Crow Company</p> <p>Well Tag ID: BIA330</p> <p>Notice of Intent Number: DE01370</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 1551712</p> <p>Well Diameter: 1.5 in.</p> <p>Well Depth: 26 ft.</p>	<p>Tax Parcel Number:</p> <p>Well Address: Valley Ave NE & 27th Ave CT NW</p> <p>County: PIERCE</p> <p>Public Land Survey: SW-SW / S-16 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Dewatering</p> <p>Well Completion Date: 10-11-2013</p> <p>Well Report Received Date: 03-30-2016</p>
31.	View PDF	<p>Well Owner: Trammell Crow Company</p> <p>Well Tag ID: BIA333</p> <p>Notice of Intent Number: DE01370</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 1551714</p> <p>Well Diameter: 1.5 in.</p> <p>Well Depth: 26 ft.</p>	<p>Tax Parcel Number:</p> <p>Well Address: Valley Ave NE & 27th Ave CT NW</p> <p>County: PIERCE</p> <p>Public Land Survey: SW-SW / S-16 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Dewatering</p> <p>Well Completion Date: 10-11-2013</p> <p>Well Report Received Date: 03-30-2016</p>
32.	View PDF	<p>Well Owner: Trammell Crow Company</p> <p>Well Tag ID: BIA337</p> <p>Notice of Intent Number: DE01370</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 1551715</p> <p>Well Diameter: 1.5 in.</p> <p>Well Depth: 26 ft.</p>	<p>Tax Parcel Number:</p> <p>Well Address: Valley Ave NE & 27th Ave CT NW</p> <p>County: PIERCE</p> <p>Public Land Survey: SW-SW / S-16 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Dewatering</p> <p>Well Completion Date: 10-11-2013</p> <p>Well Report Received Date: 03-30-2016</p>
33.	View PDF	<p>Well Owner: Trammell Crow Company</p> <p>Well Tag ID: BIA341</p> <p>Notice of Intent Number: DE01370</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 1551716</p> <p>Well Diameter: 1.5 in.</p> <p>Well Depth: 26 ft.</p>	<p>Tax Parcel Number:</p> <p>Well Address: Valley Ave NE & 27th Ave CT NW</p> <p>County: PIERCE</p> <p>Public Land Survey: SW-SW / S-16 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Dewatering</p> <p>Well Completion Date: 10-11-2013</p> <p>Well Report Received Date: 03-30-2016</p>
34.	View PDF	<p>Well Owner: Trammell Crow Company</p> <p>Well Tag ID: BIA345</p> <p>Notice of Intent Number: DE01370</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 1551717</p> <p>Well Diameter: 1.5 in.</p> <p>Well Depth: 26 ft.</p>	<p>Tax Parcel Number:</p> <p>Well Address: Valley Ave NE & 27th Ave CT NW</p> <p>County: PIERCE</p> <p>Public Land Survey: SW-SW / S-16 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Dewatering</p> <p>Well Completion Date:</p> <p>Well Report Received Date: 03-30-2016</p>
35.	View PDF	<p>Well Owner: Trammell Crow Company</p> <p>Well Tag ID: BIA325</p> <p>Notice of Intent Number: DE01370</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 1551718</p> <p>Well Diameter: 1.5 in.</p> <p>Well Depth: 26 ft.</p>	<p>Tax Parcel Number:</p> <p>Well Address: Valley Ave NE & 27th Ave CT NW</p> <p>County: PIERCE</p> <p>Public Land Survey: SW-SW / S-16 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Dewatering</p> <p>Well Completion Date: 10-11-2013</p> <p>Well Report Received Date: 03-30-2016</p>
36.	View PDF	<p>Well Owner: Trammell Crow Company</p> <p>Well Tag ID: BIA328</p> <p>Notice of Intent Number: DE01370</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 1551719</p> <p>Well Diameter: 1.5 in.</p> <p>Well Depth: 26 ft.</p>	<p>Tax Parcel Number:</p> <p>Well Address: Valley Ave NE & 27th Ave CT NW</p> <p>County: PIERCE</p> <p>Public Land Survey: SW-SW / S-16 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Dewatering</p> <p>Well Completion Date: 10-11-2013</p> <p>Well Report Received Date: 03-30-2016</p>

37.	View PDF	<p>Well Owner: Trammell Crow Company</p> <p>Well Tag ID: BIA332</p> <p>Notice of Intent Number: DE01370</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 1551721</p> <p>Well Diameter: 1.5 in.</p> <p>Well Depth: 26 ft.</p>	<p>Tax Parcel Number:</p> <p>Well Address: Valley Ave NE & 27th Ave CT NW</p> <p>County: PIERCE</p> <p>Public Land Survey: SW-SW / S-16 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Dewatering</p> <p>Well Completion Date: 10-11-2013</p> <p>Well Report Received Date: 03-30-2016</p>
38.	View PDF	<p>Well Owner: Trammell Crow Company</p> <p>Well Tag ID: BIA335</p> <p>Notice of Intent Number: DE01370</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 1551722</p> <p>Well Diameter: 1.5 in.</p> <p>Well Depth: 26 ft.</p>	<p>Tax Parcel Number:</p> <p>Well Address: Valley Ave NE & 27th Ave CT NW</p> <p>County: PIERCE</p> <p>Public Land Survey: SW-SW / S-16 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Dewatering</p> <p>Well Completion Date: 10-11-2013</p> <p>Well Report Received Date: 03-30-2016</p>
39.	View PDF	<p>Well Owner: Trammell Crow Company</p> <p>Well Tag ID: BIA340</p> <p>Notice of Intent Number: DE01370</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 1551725</p> <p>Well Diameter: 1.5 in.</p> <p>Well Depth: 26 ft.</p>	<p>Tax Parcel Number:</p> <p>Well Address: Valley Ave NE & 27th Ave CT NW</p> <p>County: PIERCE</p> <p>Public Land Survey: SW-SW / S-16 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Dewatering</p> <p>Well Completion Date: 10-11-2013</p> <p>Well Report Received Date: 03-30-2016</p>
40.	View PDF	<p>Well Owner: Trammell Crow Company</p> <p>Well Tag ID: BIA343</p> <p>Notice of Intent Number: DE01370</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 1551726</p> <p>Well Diameter: 1.5 in.</p> <p>Well Depth: 26 ft.</p>	<p>Tax Parcel Number:</p> <p>Well Address: Valley Ave NE & 27th Ave CT NW</p> <p>County: PIERCE</p> <p>Public Land Survey: SW-SW / S-16 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Dewatering</p> <p>Well Completion Date: 10-11-2013</p> <p>Well Report Received Date: 03-30-2016</p>
41.	View PDF	<p>Well Owner: Trammell Crow Company</p> <p>Well Tag ID: BIA347</p> <p>Notice of Intent Number: DE01370</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 1551727</p> <p>Well Diameter: 1.5 in.</p> <p>Well Depth: 26 ft.</p>	<p>Tax Parcel Number:</p> <p>Well Address: Valley Ave NE & 27th Ave CT NW</p> <p>County: PIERCE</p> <p>Public Land Survey: SW-SW / S-16 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Dewatering</p> <p>Well Completion Date: 10-11-2013</p> <p>Well Report Received Date: 03-30-2016</p>
42.	View PDF	<p>Well Owner: Trammell Crow Company</p> <p>Well Tag ID: BIA350</p> <p>Notice of Intent Number: DE01370</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 1551728</p> <p>Well Diameter: 1.5 in.</p> <p>Well Depth: 26 ft.</p>	<p>Tax Parcel Number:</p> <p>Well Address: Valley Ave NE & 27th Ave CT NW</p> <p>County: PIERCE</p> <p>Public Land Survey: SW-SW / S-16 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Dewatering</p> <p>Well Completion Date: 10-11-2013</p> <p>Well Report Received Date: 03-30-2016</p>
43.	View PDF	<p>Well Owner: Trammell Crow Company</p> <p>Well Tag ID: BIA348</p> <p>Notice of Intent Number: DE01370</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 1551730</p> <p>Well Diameter: 1.5 in.</p> <p>Well Depth: 26 ft.</p>	<p>Tax Parcel Number:</p> <p>Well Address: Valley Ave NE & 27th Ave CT NW</p> <p>County: PIERCE</p> <p>Public Land Survey: SW-SW / S-16 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Dewatering</p> <p>Well Completion Date: 10-11-2013</p> <p>Well Report Received Date: 03-30-2016</p>

44.	View PDF	<p>Well Owner: Trammell Crow Company</p> <p>Well Tag ID: BIA339</p> <p>Notice of Intent Number: DE01370</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 1551732</p> <p>Well Diameter: 1.5 in.</p> <p>Well Depth: 26 ft.</p>	<p>Tax Parcel Number:</p> <p>Well Address: Valley Ave NE & 27th Ave CT NW</p> <p>County: PIERCE</p> <p>Public Land Survey: SW-SW / S-16 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Dewatering</p> <p>Well Completion Date: 10-11-2013</p> <p>Well Report Received Date: 03-30-2016</p>
45.	View PDF	<p>Well Owner: Trammell Crow Company</p> <p>Well Tag ID: BIA346</p> <p>Notice of Intent Number: DE01370</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 1551733</p> <p>Well Diameter: 1.5 in.</p> <p>Well Depth: 26 ft.</p>	<p>Tax Parcel Number:</p> <p>Well Address: Valley Ave NE & 27th Ave CT NW</p> <p>County: PIERCE</p> <p>Public Land Survey: SW-SW / S-16 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Dewatering</p> <p>Well Completion Date: 10-11-2013</p> <p>Well Report Received Date: 03-30-2016</p>
46.	View PDF	<p>Well Owner: UNION PACIFIC</p> <p>Well Tag ID:</p> <p>Notice of Intent Number: 056254</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 53548</p> <p>Well Diameter: 0 in.</p> <p>Well Depth: 0 ft.</p>	<p>Tax Parcel Number:</p> <p>Well Address: 420 S DAWSON ST, SEATTLE</p> <p>County: PIERCE</p> <p>Public Land Survey: SE-NE / S-20 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Unknown</p> <p>Well Completion Date: 08-01-1990</p> <p>Well Report Received Date: 09-17-1990</p>
47.	View PDF	<p>Well Owner: WAYNE WOODS</p> <p>Well Tag ID: ACM685</p> <p>Notice of Intent Number: W089304</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 55852</p> <p>Well Diameter: 6 in.</p> <p>Well Depth: 99 ft.</p>	<p>Tax Parcel Number:</p> <p>Well Address: 8009 E 50TH ST, PUYALLUP</p> <p>County: PIERCE</p> <p>Public Land Survey: NW-NE / S-20 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Unknown</p> <p>Well Completion Date: 12-09-1996</p> <p>Well Report Received Date:</p>
48.	View PDF	<p>Well Owner: WESTERN WASH. RES. & EXT. CENTER</p> <p>Well Tag ID:</p> <p>Notice of Intent Number:</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 53917</p> <p>Well Diameter: 0 in.</p> <p>Well Depth: 0 ft.</p>	<p>Tax Parcel Number:</p> <p>Well Address:</p> <p>County: PIERCE</p> <p>Public Land Survey: SW-SE / S-17 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Unknown</p> <p>Well Completion Date:</p> <p>Well Report Received Date:</p>
49.	View PDF	<p>Well Owner: WESTERN WASHIGTON EXTENSION CENTER</p> <p>Well Tag ID:</p> <p>Notice of Intent Number:</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 1557248</p> <p>Well Diameter: 0 in.</p> <p>Well Depth: 0 ft.</p>	<p>Tax Parcel Number:</p> <p>Well Address:</p> <p>County: PIERCE</p> <p>Public Land Survey: SW-SE / S-17 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Unknown</p> <p>Well Completion Date:</p> <p>Well Report Received Date: 06-20-1976</p>

Well Construction & Licensing



Well Report Search Results

[Edit Search Criteria](#)
[New Search](#)

Search Criteria Used:

- Left Coordinate: [1188505](#)
- Right Coordinate: [1189676](#)
- Top Coordinate: [692593](#)
- Bottom Coordinate: [693704](#)
- Well Type: [Water](#)

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Displaying well reports 226 → 234 of 234

Sort results by:

Depth

Results Per Page:

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#		Well Details	Location Details
226.	View PDF	Well Owner: Benaroya LLC Well Tag ID: BKG940 Notice of Intent Number: DE01871 Group Number: Not Applicable Well Report ID: 1600676 Well Diameter: 2 in. Well Depth: 23 ft.	Tax Parcel Number: Well Address: Freeman - Valley Ave County: PIERCE Public Land Survey: NE-SE / S-17 / T-20-N / R-04-E Well Type: Water / Subtype: Dewatering Well Completion Date: 09-23-2015 Well Report Received Date: 10-24-2016
227.	View PDF	Well Owner: Benaroya LLC Well Tag ID: BKG942 Notice of Intent Number: DE01871 Group Number: Not Applicable Well Report ID: 1600678 Well Diameter: 2 in. Well Depth: 23 ft.	Tax Parcel Number: Well Address: Freeman - Valley Ave County: PIERCE Public Land Survey: NE-SE / S-17 / T-20-N / R-04-E Well Type: Water / Subtype: Dewatering Well Completion Date: 09-23-2015 Well Report Received Date: 10-24-2016
228.	View PDF	Well Owner: Benaroya LLC Well Tag ID: BKG944 Notice of Intent Number: DE01871 Group Number: Not Applicable Well Report ID: 1600680 Well Diameter: 2 in. Well Depth: 23 ft.	Tax Parcel Number: Well Address: Freeman - Valley Ave County: PIERCE Public Land Survey: NE-SE / S-17 / T-20-N / R-04-E Well Type: Water / Subtype: Dewatering Well Completion Date: 09-23-2015 Well Report Received Date: 10-24-2016
229.	View PDF	Well Owner: Benaroya LLC Well Tag ID: BKG946 Notice of Intent Number: DE01871 Group Number: Not Applicable Well Report ID: 1600682 Well Diameter: 2 in. Well Depth: 23 ft.	Tax Parcel Number: Well Address: Freeman - Valley Ave County: PIERCE Public Land Survey: NE-SE / S-17 / T-20-N / R-04-E Well Type: Water / Subtype: Dewatering Well Completion Date: 09-23-2015 Well Report Received Date: 10-24-2016

230.	View PDF	<p>Well Owner: Benaroya LLC</p> <p>Well Tag ID: BKG948</p> <p>Notice of Intent Number: DE01871</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 1600684</p> <p>Well Diameter: 2 in.</p> <p>Well Depth: 23 ft.</p>	<p>Tax Parcel Number:</p> <p>Well Address: Freeman - Valley Ave</p> <p>County: PIERCE</p> <p>Public Land Survey: NE-SE / S-17 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Dewatering</p> <p>Well Completion Date: 09-23-2015</p> <p>Well Report Received Date: 10-24-2016</p>
231.	View PDF	<p>Well Owner: Benaroya LLC</p> <p>Well Tag ID: BKG950</p> <p>Notice of Intent Number: DE01871</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 1600686</p> <p>Well Diameter: 2 in.</p> <p>Well Depth: 23 ft.</p>	<p>Tax Parcel Number:</p> <p>Well Address: Freeman - Valley Ave</p> <p>County: PIERCE</p> <p>Public Land Survey: NE-SE / S-17 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Dewatering</p> <p>Well Completion Date: 09-23-2015</p> <p>Well Report Received Date: 10-24-2016</p>
232.	View PDF	<p>Well Owner: DAVID LOUDERBACK</p> <p>Well Tag ID: AGP001</p> <p>Notice of Intent Number: W137558</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 331120</p> <p>Well Diameter: 6 in.</p> <p>Well Depth: 65 ft.</p>	<p>Tax Parcel Number: R0420171037</p> <p>Well Address: 3923 84TH AVE CT E, PUYALLUP</p> <p>County: PIERCE</p> <p>Public Land Survey: NE-SE / S-17 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Unknown</p> <p>Well Completion Date: 01-11-2002</p> <p>Well Report Received Date: 02-14-2002</p>
233.	View PDF	<p>Well Owner: AARON STORTS</p> <p>Well Tag ID: AKS361</p> <p>Notice of Intent Number: W203755</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 437297</p> <p>Well Diameter: 6 in.</p> <p>Well Depth: 164 ft.</p>	<p>Tax Parcel Number: 0420171034</p> <p>Well Address: 8406 36TH ST E, EDGEWOOD</p> <p>County: PIERCE</p> <p>Public Land Survey: NE-SE / S-17 / T-20-N / R-04-E</p> <p>Well Type: Water / Subtype: Unknown</p> <p>Well Completion Date: 04-17-2006</p> <p>Well Report Received Date: 04-28-2006</p>
234.	View PDF	<p>Well Owner: DOUG FABRE</p> <p>Well Tag ID: ACN796</p> <p>Notice of Intent Number:</p> <p>Group Number: Not Applicable</p> <p>Well Report ID: 46358</p> <p>Well Diameter: 6 in.</p> <p>Well Depth: 255 ft.</p>	<p>Tax Parcel Number: 0420174063</p> <p>Well Address: 4117 C 84th Ave E</p> <p>County: PIERCE</p> <p>Public Land Survey: NE-SE / S-17 / T-20-N / R-4 -E</p> <p>Well Type: Water / Subtype: Unknown</p> <p>Well Completion Date: 08-11-1975</p> <p>Well Report Received Date: 02-19-1976</p>

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Total Result Pages: 10

(1) OWNER: Name STEVE KINDEL Address 4521 FREEMAN RD PUYALLUP WA 98371
(2) LOCATION OF WELL: County PIERCE
(2a) STREET ADDRESS OF WELL (or nearest address): 4519 FREEMAN RD PUYALLUP WA

Page 1 of
SW 1/4 SE 1/4 Sec 17 T 20 N R 4 E

(3) PROPOSED USE: DOMESTIC
(4) Type of work: NEW WELL
Method: ROTARY

(10) WELL LOG or DECOMMISSIONING PROCEDURE DESCRIPTION

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 115 feet. Depth of completed well 115 ft.

(6) CONSTRUCTION DETAILS:
Casing instld: 6 " Diam. from 0 ft. to 111 ft.
Welded X " Diam. from ft. to ft.
Liner _ " Diam. from ft. to ft.
Threaded _

Perforations: Yes _ No X
Type of perforator used
Size of perforations in. by in.
perforations from ft. to in.
perforations from ft. to in.
perforations from ft. to in.

Screens: Yes X No _
Manufacturer's Name JOHNSON
Type STAINLESS Model No
Diam 6 Slot size 14 from 111 ft. to 115 ft.
Diam Slot size from ft. to ft.

Gravel packed: Yes _ No X Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes X No _ To what depth? 19 ft.
Material used in seal BENTONITE
Did any strata contain unusable water? Yes _ No X
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Jacuzzi
Type 15BS418-14 H.P. $0 \times 1\frac{1}{2}$

(8) WATER LEVELS: Surface elev above mean sea level ft.
Static level 2.6 ft. below top of well Date 12/12/96
Artesian pressure lbs. per sq. in. Date
Artesian pressure is controlled by

(9) WELL TESTS: Pump test made? _ By whom?
Yield 0 gal./min. with ft. drawdown after hrs
Yield 0 gal./min. with ft. drawdown after hrs
Yield 0 gal./min. with ft. drawdown after hrs
Recovery data:
Time Wtr. Lvl. Time Wtr. Lvl. Time Wtr. Lvl.

Date of test
Bailer test 0 gal/min with ft. drawdown after hr
Airtest 35 gal/min with stem set at 110 ft. for 1 hrs
Artesian flow 0 gal/min Date
Temperature of water Was chemical analysis made? NOYES

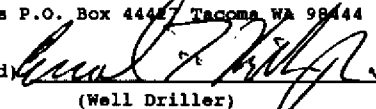
Material	From	To
COMPACTED GRAVELS	0	6
BLACK TOPSOIL	6'	4'
BROWN CLAY	4	12
GREY CLAY	12	21
GREY SANDY CLAY	21	36
GREY SANDY CLAY, WOOD	36	53
GREY SANDY CLAY, WOOD, GRAVELS	53	94
GREY SILTY SANDS, WATER	94	115

Work Started 12/10/96 Completed 12/12/96

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction this well, and its compliance with all Washington well construction standards. Materials used and the information report above are true to my best knowledge and belief.

Name RICHARDSON WELL DRILLING
Address P.O. Box 4444 Tacoma WA 98444

(Signed)  Lic. No 2017
(Well Driller)

Contractor's Registration No. RICHAW*3210B Date 12/23/
Based on form ECL 050-1-20 (2/93)**f-1329- by Speed Systems Co

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

File Original and First Copy with
Department of EcologySecond Copy — Owner's Copy
Third Copy — Driller's Copy

82585 WATER WELL REPORT

STATE OF WASHINGTON

Start Card No

W121629

UNIQUE WELL ID #

AFC 523

Water Right Permit No

(1) OWNER Name Mike Flecher Address 7909 48th St E. Fife WA 98424

(2) LOCATION OF WELL County Pierce SE 1/4 SE 17 T 20 N R 4E WM

(2a) STREET ADDRESS OF WELL (or nearest address) 7909 48th St E

(3) PROPOSED USE ☒ Domestic ☐ Industrial ☐ Municipal ☐
☐ Irrigation ☐ Test Well ☐ Other ☐
☐ DeWater

(4) TYPE OF WORK Owner's number of well (if more than one) _____
 Abandoned ☐ New well ☐ Method Dug ☐ Bored ☐
 Deepened ☐ Cable ☒ Driven ☐
 Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS Diameter of well 6" inches
 Drilled 10.3 feet Depth of completed well 102 ft

(6) CONSTRUCTION DETAILS
 Casing installed 6" Diam from _____ ft to _____ ft
 Welded ☒ Diam from _____ ft to _____ ft
 Liner installed ☐ Diam from _____ ft to _____ ft
 Threaded ☐

Perforations Yes ☐ No ☒
 Type of perforator used _____
 SIZE of perforations _____ in by _____ in
 _____ perforations from _____ ft to _____ ft
 _____ perforations from _____ ft to _____ ft
 _____ perforations from _____ ft to _____ ft

Screens Yes ☒ No ☐
 Manufacturer's Name _____
 Type _____ Model No _____
 Diam 5" Slot size 16 from 100 ft to 95 ft
 Diam _____ Slot size _____ from _____ ft to _____ ft

Gravel packed Yes ☐ No ☐ Size of gravel _____
 Gravel placed from _____ ft to _____ ft

Surface seal Yes ☒ No ☐ To what depth? 18 ft
 Material used in seal chips
 Did any strata contain unusable water? Yes ☐ No ☐
 Type of water? _____ Depth of strata _____
 Method of sealing strata off _____

(7) PUMP Manufacturer's Name _____
 Type _____ HP _____

(8) WATER LEVELS Land-surface elevation above mean sea level _____ ft
 Static level 4'-11" ft below top of well Date 12-22
 Artesian pressure _____ lbs per square inch Date _____
 Artesian water is controlled by _____ (Cap valve etc)

(9) WELL TESTS Drawdown is amount water level is lowered below static level
 Was a pump test made? Yes ☐ No ☐ If yes by whom? _____
 Yield _____ gal/min with _____ ft drawdown after _____ hrs
 " " " " " "
 " " " " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)
 Time Water Level Time Water Level Time Water Level

Date of test _____
 Bailer test 20 gal/min with 37 ft drawdown after 1 hrs
 Airtest _____ gal/min with stem set at _____ ft for _____ hrs
 Artesian flow _____ gpm Date _____
 Temperature of water _____ Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation Describe by color character size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information

MATERIAL	FROM	TO
Brown silt	0	10
Gray silt & clay	10	60
Silty fine sand	60	77
Gray silty clay	77	92
med sand	92	103

RECEIVED

DEC 11 2000

Washington State
Department of EcologyWork Started 12-20 1999 Completed 12-22 1999

WELL CONSTRUCTOR CERTIFICATION

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Holt Drilling Inc (PERSON, FIRM OR CORPORATION) (TYPE OR PRINT)
 Address P.O. Box 1890 Milton WA 98354
 (Signed) Wade Vreiser License No 0597
 (WELL DRILLER)

Contractor's
 Registration No EDHDI*13606 Date 12-22-99

(USE ADDITIONAL SHEETS IF NECESSARY)

Ecology is an Equal Opportunity and Affirmative Action employer. For special accommodation needs, contact the Water Resources Program at (206) 407-6600. The TDD number is (206) 407-6006.





Water Well Report

Original - Ecology, 1st copy - owner, 2nd copy - driller

Construction/Decommission

☒ Construction☐ Decommission ORIGINAL INSTALLATION Notice

156782 of Intent Number

PROPOSED USE: ☒ Domestic ☐ Industrial ☐ Municipal
☐ DeWater ☐ Irrigation ☐ Test Well ☐ Other

TYPE OF WORK: Owner's number of well (if more than one)

☒ New well ☐ Reconditioned Method: ☐ Dug ☐ Bored ☐ Driven
☐ Deepened ☐ Cable ☒ Rotary ☐ Jetted

DIMENSIONS: Diameter of well 6 inches, drilled 118 ft.
 Depth of completed well 118 ft.

CONSTRUCTION DETAILS

Casing ☒ Welded 6" Diam. from +1.5 ft. to 106 ft.
 Installed: ☐ Liner installed " Diam. from ft. to ft.
☐ Threaded " Diam. from ft. to ft.

Perforations: ☐ Yes ☒ No

Type of perforator used

SIZE of perfs in. by in. and no. of perfs from ft. to ft.

Screens: ☒ Yes ☐ No ☒ K-Pac Location 102

Manufacturer's Name Johnson

Type S.S. Model No.

Diam. 5 Slot size .010 from 108 ft. to 113 ft.

Diam. 5 Slot size sump from 113 ft. to 118 ft.

Gravel/Filter packed: ☐ Yes ☒ No ☐ Size of gravel/sand
 Materials placed from ft. to ft.

Surface Seal: ☒ Yes ☐ No To what depth? 18 ft.

Material used in seal Bentonite Chips

Did any strata contain unusable water? ☐ Yes ☒ No

Type of water? Depth of strata

Method of sealing strata off

PUMP: Manufacturer's Name

Type: H.P.

WATER LEVELS: Land-surface elevation above mean sea level ft.

Static level 10 ft. below top of well Date 9/27/04

Artesian pressure lbs. per square inch Date

Artesian water is controlled by (csp, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? ☐ Yes ☒ No If yes, by whom?

Yield: gal./min. with ft. drawdown after hrs.

Yield: gal./min. with ft. drawdown after hrs.

Yield: gal./min. with ft. drawdown after hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time Water Level Time Water Level Time Water Level

Date of test

Bailer test gal./min. with ft. drawdown after hrs.

Airtest 60 gal./min. with stem set at 100 ft. for 1 hrs.

Artesian flow g.p.m. Date

Temperature of water Was a chemical analysis made? ☐ Yes ☒ No

Current

Notice of Intent No. W165115

Unique Ecology Well ID Tag No. AKN 597

Water Right Permit No.

Property Owner Name Mark Hoeks

Well Street Address 4802 Freeman Road South

City Fife County Pierce

Location NE 1/4-1/4 NE 1/4 Sec 20 Twn 20 R 4 EWM or WWM ☒ circle one

Lat/Long (s, t, r) Lat Deg Lat Min/Sec

still REQUIRED) Long Deg Long Min/Sec

Tax Parcel No. 0420205018

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information indicate all water encountered. (USE ADDITIONAL SHEETS IF NECESSARY.)

MATERIAL	FROM	TO
Soft brown topsoil.	0	4
Brown silty fine to medium sand.	4	10
Moist to wet fine brown silty sand.	10	38
Grayish brown wet fine silty sand.	38	50
Trace fine to medium gravel.	50	62
Brown silty fine sand.	62	92
Black, red, gray fine to medium sand, water.	92	118
04-1161-08	SEP-9	NOV-04
Start Date 9/27/04	Completed Date 9/27/04	

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Driller/Engineer/Trainee Name (Print) Matthew Call

Driller/Engineer/Trainee Signature

Driller or trainee License No. 2571

Drilling Company Tacoma Pump & Drilling Co., Inc.

Address 30316 Mountain Highway

City, State, Zip Graham, WA 98338

Contractor's

Registration No. TACOMPD203PF

Date 9/7/04

Ecology is an Equal Opportunity Employer.

ECY 050-1-20 (Rev 2/03)

If TRAINEE,

Driller's Licensed No.

Driller's Signature



Original - Ecology, 1st copy - owner, 2nd copy - driller

☐ Decommission *ORIGINAL INSTALLATION Notice*
15/1/90 *of Intent Number*

ECY 050-1-20 (Rev 2/03)

ECY 050-1-20 (7/97)

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. W 10318

UNIQUE WELL I.D. #

Water Right Permit No.

(1) OWNER: Name L & M Lyons Address 8315 49th St E Puyallup WA

(2) LOCATION OF WELL: County PIERCE CO NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 20 T. 20 N., R. 4E W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) 8315 49TH STE. RYAN, WA

(3) PROPOSED USE: ☒ Domestic ☐ Industrial ☐ Municipal ☐
☐ Irrigation ☐ Test Well ☐ Other ☐
☐ DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) _____

Abandoned ☐ New well ☒ Method: Dug ☐ Bored ☐
 Deepened ☐ Cable ☒ Driven ☐
 Reconditioned ☐ Rotary ☐ Jetted ☐

(5) **DIMENSIONS:** Diameter of well 6" inches.
Drilled 135 feet. Depth of completed well 135 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from _____ ft. to _____ ft.
Welded ☒ " Diam. from _____ ft. to _____ ft.
Liner installed ☐ " Diam. from _____ ft. to _____ ft.
Threaded ☐ " Diam. from _____ ft. to _____ ft.

Perforations: Yes ☐ No ☒

Type of perforator used _____

SIZE of perforations _____ in. by _____ in.

_____ perforations from _____ ft. to _____ ft.

_____ perforations from _____ ft. to _____ ft.

_____ perforations from _____ ft. to _____ ft.

Screens: Yes ☒ No ☐

Manufacturer's Name _____

Type _____ Model No. _____

Diam. 5" Slot size 12 from 134 ft. to 129 ft.

Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes ☐ No ☒ Size of gravel _____
Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes ☒ No ☐ To what depth? 18.6 ft
Material used in seal Bentonite chips

Did any strata contain unusable water? Yes ☐ No ☒

Type of water? _____ Depth of strata _____

Method of sealing strata off _____

(7) **PUMP:** Manufacturer's Name _____
Type: _____ H.P. _____

(8) **WATER LEVELS:** Land-surface elevation _____ ft.
Static level 13.7 _____ ft. below top of well Date _____
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap. valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☒ If yes, by whom? _____

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
------	-------------	------	-------------	------	-------------

Date of test

Bailer test 9 gal./min. with 17 ft. drawdown after 1/2 hrs.

Aldest _____ gal./min. with stem set at _____ ft. for _____ hrs.

Artesian flow _____ g.p.m. Date _____

Temperature of water _____. Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
BROWN		
BROWN Silty Soil	0	3
BROWN Silty Sand	3	8
BLACK Red + white sand	8	45
GRAY SILT	45	78
Silt + sand layer	78	126
BLACK Red GRAY WHITE sand	126	135

Work started 1-28-94, 19. Completed 2-3-94, 19.

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME HOLT TESTING Inc (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 10621 TODD RD. E. Arvada, CO 80003

(Signed) Yarek J. Zwick License No. 2094
(WELL DRILLER)

Contractor's
Registration
No. _____ Date 2-3-94, 19__

(USE ADDITIONAL SHEETS IF NECESSARY)



Start Card No. W089304
Unique Well ID ACM685
Water Right Permit No.

A 98374 Page 1 of
NW 1/4 NE 1/4 Sec 20 T 20 N R 4 E

[illegible]



Well Tagging Form

Unique Well Tag No: AKB 306

RECORD VERIFICATION (check ☒ one)



Well Report available (please attach this form to the well report and submit it to the Ecology Regional Office near you).

If a well report is not available, please complete a "Water Well Report for an Existing Well" form. This form is available at Ecology's headquarters office. **Do not use this form for wells that do not have a Water Well Report.**

WELL OWNERSHIP, IF DIFFERENT FROM WELL REPORT

Water COMPANY OF WASHINGTON LLC

First Name: Steve Last Name: Harrington

Street Address: P.O. Box 542

City: East Olympia State: WA 98540

LOCATION OF WELL, IF DIFFERENT FROM WELL REPORT

Well Address: Eggimann Water System LLC

City: Fife County: Pierce

T. 20N N. R. 04E W.M. Sec. 20 NW 1/4 of the NE

FOR AGENCY USE ONLY

Latitude _____ "

Longitude _____ "

Elevation at land surface _____ feet/meters (circle one)

☐

GPS

☐

Topographic Map

☐

Survey

☐

Computer generated

☐

Digital Altimeter

☐

Topographic Map

☐

Other _____

Additional information, if available:

☐

Location marked on topographic map (please attach)

☐

Location marked on air photo (please attach)

FCY 050-1-20



Tacoma-Pierce County
Health Department

Unique Well ID Number A E F 3 3 8
X Y Z 1 2 3

WELL TAGGING FORM

All shaded areas must be completed.

Date of Field Visit 3-4-99

By Matt + Scott

ADDITIONAL WELL IDENTIFIERS

Department of Health System ID Number 22585F Source # SO 1

USGS Site Identification _____

Other _____

RECORD VERIFICATION

- ☒ Well Report available (please attach)
☐ Well Report not available
☐ Verification inconclusive

WELL OWNERSHIP, IF DIFFERENT FROM WELL REPORT

Name EGGIMANN WATER SYSTEM

Street Address 5013 80TH AVE C.E.

City FIFE State WA. 98424

LOCATION OF WELL, IF DIFFERENT FROM WELL REPORT

Well Address 5013 80TH AVE C.E.

City FIFE County PIERCE

T. 20 N. R. 04 E W.M. Sec. 20 NW $\frac{1}{4}$ of the NE $\frac{1}{4}$

Latitude 47 ° 12 ' 41.2 "

Longitude 122 ° 19 ' 15.0 "

- ☐ GPS (raw data)
☒ GPS (corrected)
☐ Topographic Map
☐ Survey
☐ Computer Generated
☐ Other _____

Elevation at land surface _____ feet/meters (circle one)

- ☐ Digital Altimeter
☐ Topographic Map
☐ Other _____

Additional information, if available:

☐ Location marked on topographic map (please attach)

☐ Location marked on air photo (please attach)

Water right #

Priority Date

Circle One: Application Permit Certificate Claim Exempt

WELL CHARACTERISTICS

Physical Description of Well (size of casing, type of well, housing, etc.): *8" Cased well in the Pump House*

Location of Well Identification Tag: *on the 8" casing*

Was supplemental tag needed for ease of identifying well?

☒ NO ☐ YES

If yes, where was tag placed?

Scale 1:24,000 (1"=2,000')

Indicate the location of the well within the Section by drawing a dot at that point.

SECTION 20

TOWNSHIP 20

RANGE 04E

D	X	<i>(dot)</i> B	A
E	F	G	H
M	L	K	J
N	P	Q	R

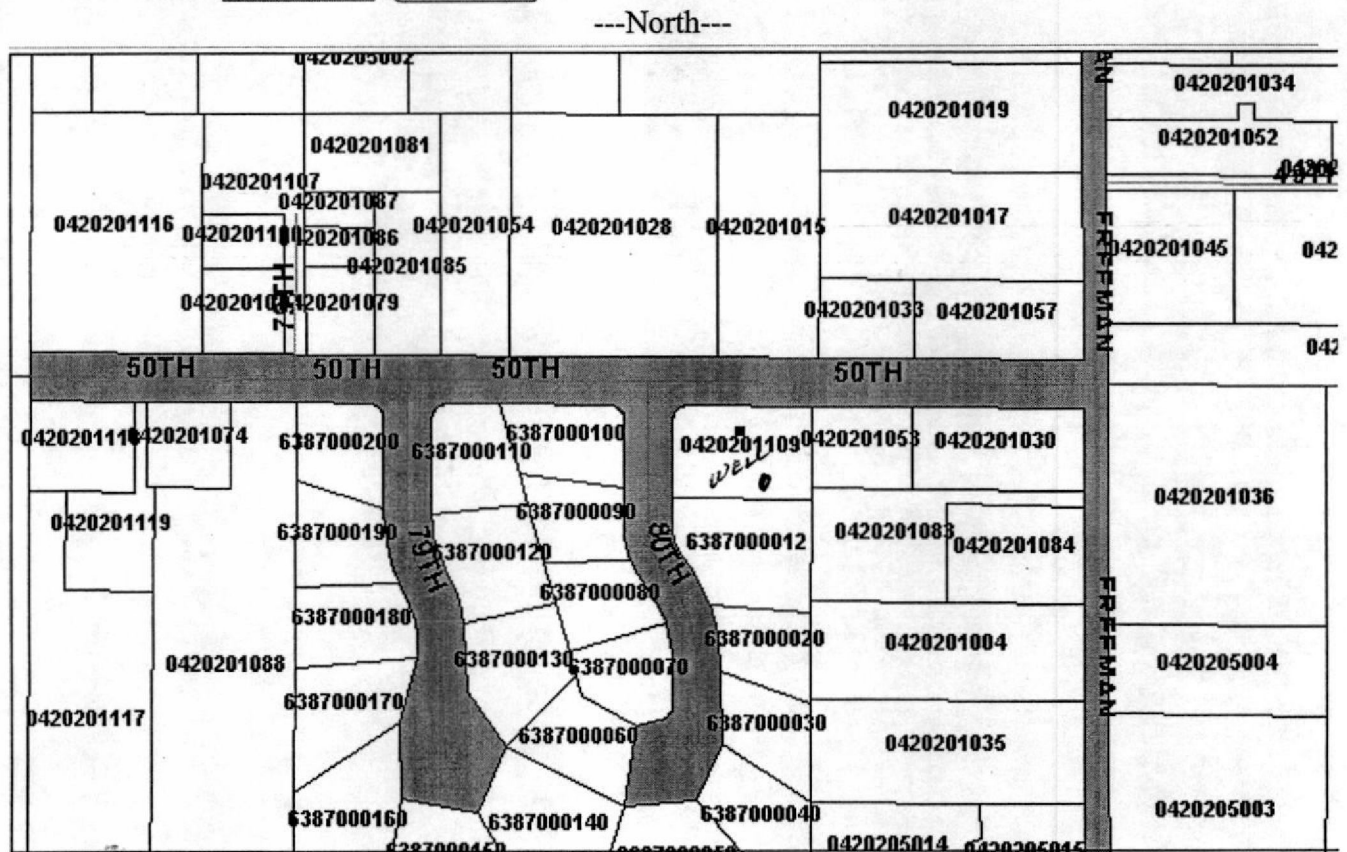
COMMENTS: _____

**Pierce County
Assessor-Treasurer's Office**

Parcel: R0420201109
Name: EGGIMANN MARGARET L
Site Address: 8016 50TH ST E
Mailing Address: 8016 50TH ST E, FIFE WA 98424
Use Code: 1101 SINGLE FAMILY DWELLING.
Mh Code:

Click One [Tax & Assessment](#) [Land Characteristics](#) [Building Characteristics](#) Parcel Map [Recorded Data](#) [Back to Search](#)

Zoom Level:	5.0		Zoom
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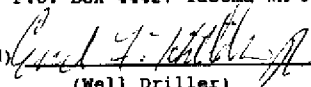


Pierce County Assessor-Treasurer

2401 South 35th St Room 142
Tacoma, Washington 98409
(253)798-6111 or Fax (253)798-3142

I acknowledge and agree to the prohibitions listed in RCW 42.17.260(9) against releasing and/or using lists of individuals for commercial purposes.

(1) OWNER: Name LINDA BLODGET Address 25502 NEADHAM RD E ORTING WA 98360 Page 1 of
(2) LOCATION OF WELL: County PIERCE NW 1/4 NE 1/4 Sec 20 T 20 N R 4 E
(2a) STREET ADDRESS OF WELL (or nearest address) 5110 FREEMAN RD ORTING WA

(3) PROPOSED USE: DOMESTIC		(10) WELL LOG or DECOMMISSIONING PROCEDURE DESCRIPTION		
(4) Type of work: NEW WELL Method: ROTARY		Material	From	To
(5) DIMENSIONS: Diameter of well 6 inches.		BLACK TOP SOIL	0	6
Drilled 111 feet. Depth of completed well 111 ft.		BLACK SANDY LOAM	6	24
		BLACK SANDY LOAM, SOME GRAVEL	24	37
(6) CONSTRUCTION DETAILS:		GREY SILTY SAND	37	56
Casing instld: 6 " Diam. from 0 ft. to 107 ft.		GREY SILTY SAND SOME GRAVEL	56	61
Welded X " Diam. from ft. to ft.		GREY SILTY SANDS, WATER	61	111
Liner " Diam. from ft. to ft.				
Threaded _				
Perforations: Yes _ No X				
Type of perforator used				
Size of perforations in. by in.				
perforations from ft. to in.				
perforations from ft. to in.				
perforations from ft. to in.				
Screens: Yes X No _				
Manufacturer's Name JOHNSON				
Type STAINLESS Model No				
Diam 6 Slot size 16 from 107 ft. to 111 ft.				
Diam Slot size from ft. to ft.				
Gravel packed: Yes _ No X Size of gravel				
Gravel placed from ft. to ft.				
Surface seal: Yes X No _ To what depth? 19 ft.				
Material used in seal BENTONITE				
Did any strata contain unusable water? Yes _ No X				
Type of water? Depth of strata				
Method of sealing strata off				
(7) PUMP: Manufacturer's Name		Work Started 05/25/95 Completed 05/26/95		
Type H.P. 0		WELL CONSTRUCTOR CERTIFICATION:		
(8) WATER LEVELS: Surface elev above mean sea level ft.		I constructed and/or accept responsibility for construction		
Static level 12 ft. below top of well Date 05/26/95		this well, and its compliance with all Washington well const		
Artesian pressure lbs. per sq. in. Date		ruction standards. Materials used and the information report		
Artesian pressure is controlled by		above are true to my best knowledge and belief.		
(9) WELL TESTS: Pump test made? _ By whom?		Name RICHARDSON WELL DRILLING		
Yield 0 gal./min. with ft. drawdown after hrs		Address P.O. Box 44427 Tacoma WA 98444		
Yield 0 gal./min. with ft. drawdown after hrs		(Signed)  Lic. No 2017		
Yield 0 gal./min. with ft. drawdown after hrs		(Well Driller)		
Recovery data:		Contractor's Registration No. RICHAW*3210B Date 06/08/		
Time Wtr. Lvl. Time Wtr. Lvl. Time Wtr. Lvl.		Based on form ECL 050-1-20 (2/93)**f-1329- by Speed Systems Co		
Date of test				
Bailer test 0 gal/min with ft. drawdown after hr				
Airtest 25 gal/min with stem set at 100 ft. for 1 hrs				
Artesian flow 0 gal/min Date				
Temperature of water Was chemical analysis made? NO				

3



Pierce County Assessor-Treasurer's Office



Parcel: R0420205010
Name: SCHENK CARL M & SHIRLEY E
Site Address: 5104 & 5112 85TH AVE E
Mailing Address: PO BOX 99 , SUMNER WA 98390
Use Code: 6376 GENERAL WAREHOUSING AND STORAGE.
Mh Code:

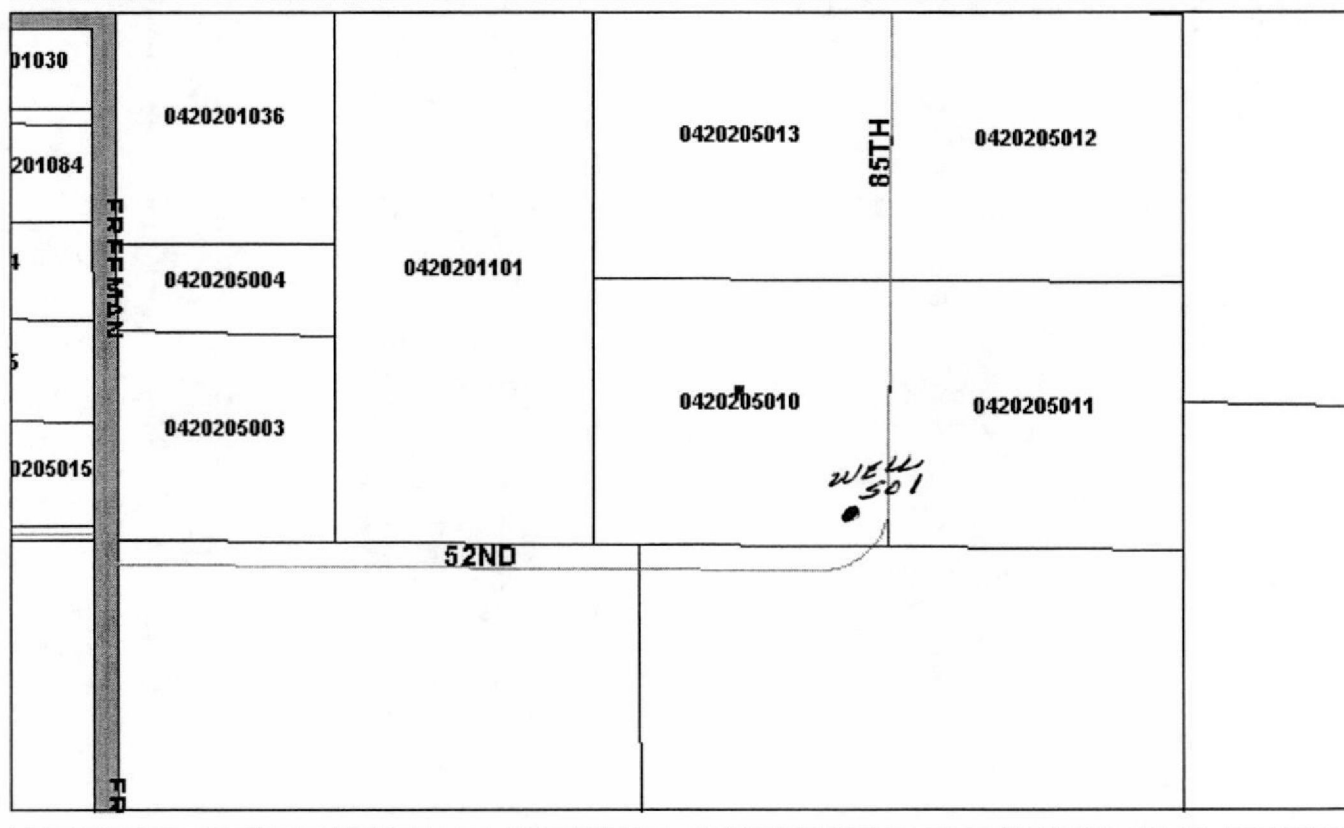
Dec-21-2000, 03:29 PM

[Click One](#)
 [Tax & Assessment](#)
 [Land Characteristics](#)
 [Parcel Map](#)
 [Recorded Data](#)
 [Back to Search](#)

Zoom Level:

---North---

RTSQ: 04-20-20-1-1 School Dist: Puyallup



Pierce County Assessor-Treasurer
 2401 South 35th St Room 142
 Tacoma, Washington 98409
 (253)798-6111 or Fax (253)798-3142



Tacoma-Pierce County
Health Department

Unique Well ID Number

44962
ACV 549
X Y Z 1 2 3

WELL TAGGING FORM

All shaded areas must be completed.

Date of Field Visit 1-30-98 By Matt Blundell

ADDITIONAL WELL IDENTIFIERS

Department of Health System ID Number 34934 B Source # SO 1

USGS Site Identification _____

Other _____

RECORD VERIFICATION

- ☒ Well Report available (please attach)
☐ Well Report not available
☐ Verification inconclusive

WELL OWNERSHIP, IF DIFFERENT FROM WELL REPORT

Name SCHENK WATER SYSTEM

Street Address P.O. Box 99

City SUMNER State WA. 98390

LOCATION OF WELL, IF DIFFERENT FROM WELL REPORT

Well Address 5112 85TH AVE E

City _____ County PIERCE

T. 20 N. R. 04 E W.M. Sec. 20 SE 1/4 of the NE 1/4

Latitude N 47 ° 12 ' 36.74 "

Longitude W 122 ° 18 ' 56.13 "

241

- ☒ GPS (raw data)
☒ GPS (corrected)
☐ Topographic Map
☐ Survey
☐ Computer Generated
☐ Other _____

Elevation at land surface _____ feet/meters (circle one)

- ☐ Digital Altimeter
☐ Topographic Map
☐ Other _____

Additional information, if available:

☐ Location marked on topographic map (please attach)

☐ Location marked on air photo (please attach)

Water right #

Priority Date

Circle One: Application Permit Certificate Claim Exempt

WELL CHARACTERISTICS

Physical Description of Well (size of casing, type of well, housing, etc.): *8" casing in large well house*

Location of Well Identification Tag: *on 8" casing*

Was supplemental tag needed for ease of identifying well?

☒ NO

☐ YES

If yes, where was tag placed?

Scale 1:24,000 (1"=2,000')

Indicate the location of the well within the Section by drawing a dot at that point.

SECTION 20

TOWNSHIP 20

RANGE 04E

D	X	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

COMMENTS: _____

WATER WELL REPORT

STATE OF WASHINGTON

Application No. 62-23729

Permit No. 62-23729

(1) OWNER: Name Doug Fabre

Address Rt. 1, Box 469-G, Lakebay, Wa 98349

(2) LOCATION OF WELL: County Pierce

Bearing and distance from section or subdivision corner

NE 1/4 Sec 17 T20 N, R4E W.M.
700' S. & 800' W. from the EY4 Cor.

(3) PROPOSED USE: ☒ Domestic ☐ Industrial ☐ Municipal ☐
☐ Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) 6
New well ☐ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 255 ft. Depth of completed well 255 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 10 ft. to 244 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☐ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☐

Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☐ No ☐

Manufacturer's Name Johnson
Type stainless steel Model No.
Diam. 6 Slot size .050" from 245 ft. to 255 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☐ No ☒ To what depth? 18 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name None installed
Type: HP

(8) WATER LEVELS: Land-surface elevation unknown ft.
above mean sea level. 11 Aug 75
Static level 1 ft. below top of well Date 11 Aug 75
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☒ If yes, by whom?
Yield: 100 gal./min. with 12 ft. drawdown after 4 hrs.
" max rate 1500 " " " " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
10	1				
15	1				
20	1				

Date of test 10 75
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
The first 230' were driven into ground and no formation changes obtainable. The drive stopped in clay		
Clay, Grey	unknown	238'
Sand & Gravel, water bearing	238'	255'

**NOTE: Pipe was left 3 Ft. above existing grade, and water levels are logged from the top of pipe

The formations and depths are logged from grade

RECEIVED

FEB 19 1975

DEPARTMENT OF ECOLOGY
SOUTHWEST REGIONAL OFFICE

Work started 2 Aug 19 75 Completed 11 Aug 19 75

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME RAMLO WELL DRILLING
(Person, firm, or corporation) (Type or print)
Address 2408 Marine View Drive, Tacoma 984

(Signed) Thomas W. Ramlo
(Well Driller)

License No. 0400 Date 21 Aug 19 75

**Pierce County
Assessor-Treasurer's Office**

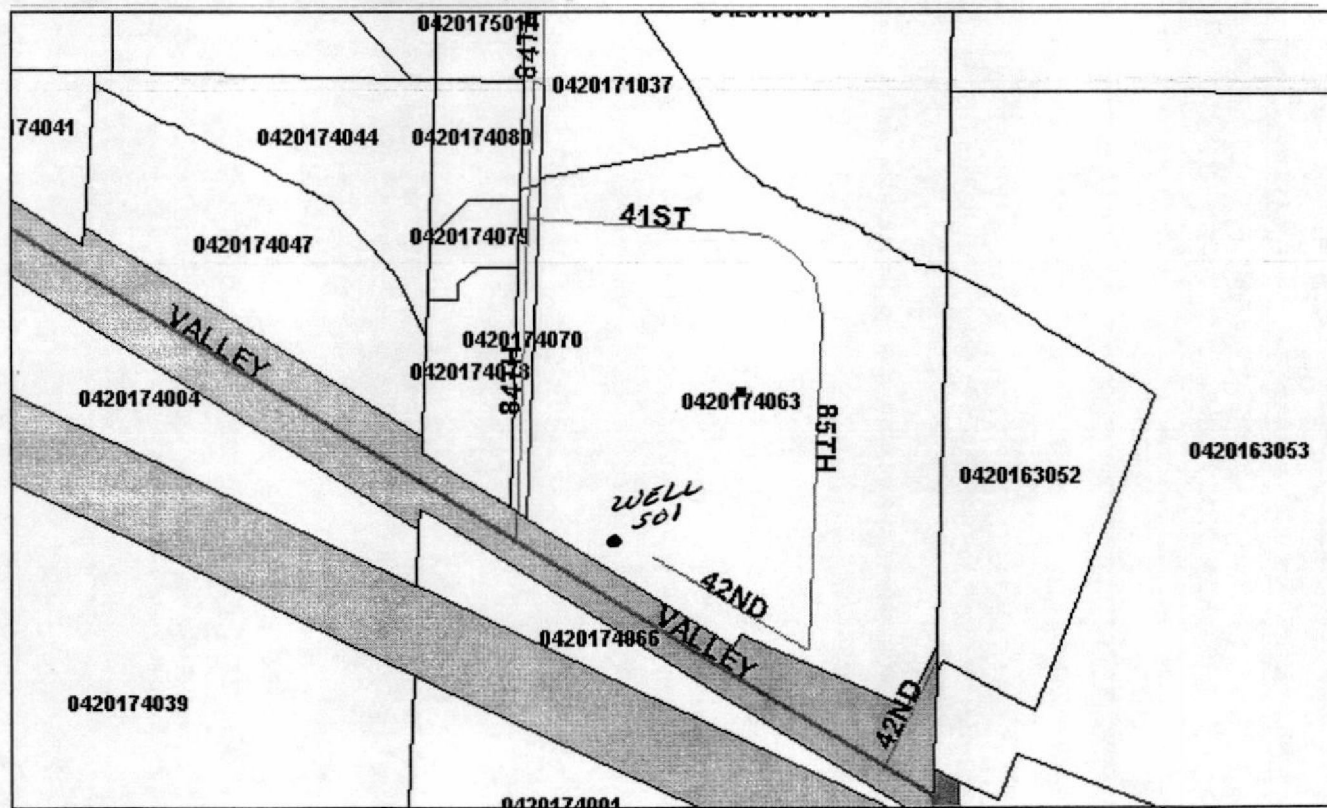
Parcel: R0420174063
Name: FABRE FAMILY LLC
Site Address: 4101-4129 CHERRYWOOD LANE
Mailing Address: 1515 DELANO ROAD KP S, LAKEBAY WA 98349
Use Code: 1105 FIVE (5) OR MORE FAMILY UNITS (NON-SUBSIDIZED) APPRAISED BY COMMERCIAL SECTION.
Mh Code:

Click One [Tax & Assessment](#) [Land Characteristics](#) [Parcel Map](#) [Recorded Data](#) [Back to Search](#)

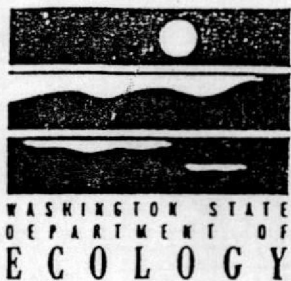
Zoom Level:

---North---

RTSQ: 04-20-17-4-1 School Dist: Puyallup

**Pierce County Assessor-Treasurer**

2401 South 35th St Room 142
Tacoma, Washington 98409
(253)798-6111 or Fax (253)798-3142



46358

UNIQUE WELL I.D. NUMBER A C N 7 9 6
X Y Z 1 2 3

WELL TAGGING FORM

Date of Field Visit 5-7-97 By BLUNDELL

ADDITIONAL WELL IDENTIFIERS

Department of Health System ID Number 451646 Source Number SO 1

USGS Site Identification _____

RECORD VERIFICATION

- ☒ Well Report available (please attach)
☐ Well Report not available
☐ Verification inconclusive

WELL OWNERSHIP, IF DIFFERENT FROM WELL REPORT

Name CHERRYWOOD VILLAGEStreet address 1515 DELAND RD KPSCity LAKE BAY State WA, 98349

LOCATION OF WELL, IF DIFFERENT FROM WELL REPORT

Well Address 4117 C 84TH AVE ECity PUYALLUP County PIERCET. 20 N. R. 04 E W.M. Sec. 17 NE $\frac{1}{4}$ of the SE $\frac{1}{4}$ Latitude N 47 ° 13 ' 10.75 "Longitude W 122 ° 18 ' 55.68 "AVG
091

- ☒ GPS (raw data)
☒ GPS (corrected)
☐ Topographic Map
☐ Survey
☐ Computer generated
☐ Other _____

Elevation at land surface _____ feet/meters (circle one)

- ☐ Digital Altimeter
☐ Topographic Map
☐ Other _____

Additional information, if available:

☐ Location marked on topographic map (please attach)

☐ Location marked on air photo (please attach)

Water Right # _____

Priority Date 3 0 3 0 3

Circle one: Application Permit Certificate Claim Exempt

WELL CHARACTERISTICS

Physical Description of Well (size of casing, type of well, housing, etc.): 6" casing
in large wooden well house

Location of Well Identification Tag: on 6" casing


Was Supplemental Tag needed for ease of identifying well?

☐ NO

☐ YES

If yes, where was tag placed? _____

Scale 1:24,000 (1"=2,000')

D	C	B	A
E	F	G	H
M	L	K	
N	P	Q	R

Indicate the location of the well within the Section by drawing a dot at that point.

SECTION 17

COMMENTS: _____

APPENDIX C
WELL WATER QUALITY DATA

View Sample Detail - WSID 22585F - EGGIMANN-664

Collect Date 5/2/1978
 Lab Number 051
 Lab Name Duplicate - WA St PH Laboratories
 Sample Number 03083
 Source 01
 Analyte Group IOC-INORGANIC CONTAMINANTS
 Test Panel ICHEM-PRE II/V INORGANIC ANALYSIS
 Sample Location
 Sample Type Unknown

Result Range, A/P, Units: Mouse over for full description

Analyte DOH Num	Analyte Name	Result Range	Result Quantity	Maximum Contaminant Level	State Reporting Limit	Units
0008	IRON	EQ	0.3200	0.3000	0.1000	mg/L
0010	MANGANESE	EQ	0.0980	0.0500	0.0100	mg/L
0011	MERCURY	EQ	0.0023	0.0020	0.0005	mg/L
0015	HARDNESS	EQ	84.0000		10.0000	mg/L
0016	CONDUCTIVITY	EQ	246.0000	700.0000	10.0000	Umhos/cm
0017	TURBIDITY	EQ	0.4000		0.1000	NTU
0019	FLUORIDE	EQ	0.2000	4.0000	0.2000	mg/L
0020	NITRATE-N	EQ	0.7000	10.0000	0.5000	mg/L
0004	ARSENIC	LT	0.0100	0.0104	0.0200	mg/L
0005	BARIUM	LT	0.2500	2.0000	0.1000	mg/L
0006	CADMIUM	LT	0.0020	0.0050	0.0020	mg/L
0007	CHROMIUM	LT	0.0100	0.1000	0.0100	mg/L
0009	LEAD	LT	0.0100		0.0020	mg/L
0012	SELENIUM	LT	0.0030	0.0500	0.0050	mg/L
0013	SILVER	LT	0.0100	0.1000	0.0100	mg/L
0018	COLOR	LT	5.0000	15.0000	5.0000	CU

Records 1 - 16 of 16

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[DOH Home](#) | [Community and Environment](#) | [Drinking Water Home](#) | [Drinking Water Contacts](#)
[Access Local Health](#) | [Privacy Notice](#) | [Disclaimer/Copyright Information](#)

Links to external resources are provided as a public service and do not imply endorsement by the Washington State Department of Health

Department of Health, Office of Drinking Water

Street Address:

243 Israel Road S.E. 2nd floor
 Tumwater, WA 98501

Mail:

PO BOX 47822
 Olympia, WA 98504-7822



Division of Environmental Health Office of Drinking Water

[Help](#)

View Sample Detail - WSID 22585F - EGGIMANN-664

Collect Date 3/16/1982
Lab Number 051
Lab Name Duplicate - WA St PH Laboratories
Sample Number 05341
Source 01
Analyte Group IOC-INORGANIC CONTAMINANTS
Test Panel ICHEM-PRE II/V INORGANIC ANALYSIS
Sample Location
Sample Type Unknown

Result Range, A/P, Units: Mouse over for full description

Analyte DOH				Maximum Contaminant Level	State Reporting Limit	Units
Num	Analyte Name	Result Range	Result Quantity			
0008	IRON	EQ	0.4000	0.3000	0.1000	mg/L
0010	MANGANESE	EQ	0.1100	0.0500	0.0100	mg/L
0011	MERCURY	EQ	0.0005	0.0020	0.0005	mg/L
0014	SODIUM	EQ	22.0000		5.0000	mg/L
0015	HARDNESS	EQ	100.0000		10.0000	mg/L
0016	CONDUCTIVITY	EQ	280.0000	700.0000	10.0000	Umhos/cm
0017	TURBIDITY	EQ	0.5000		0.1000	NTU
0004	ARSENIC	LT	0.0100	0.0104	0.0200	mg/L
0005	BARIUM	LT	0.2500	2.0000	0.1000	Milligrams per Liter
0006	CADMIUM	LT	0.0020	0.0050	0.0020	mg/L
0007	CHROMIUM	LT	0.0100	0.1000	0.0100	mg/L
0009	LEAD	LT	0.0100		0.0020	mg/L
0012	SELENIUM	LT	0.0050	0.0500	0.0050	mg/L
0013	SILVER	LT	0.0100	0.1000	0.0100	mg/L
0018	COLOR	LT	5.0000	15.0000	5.0000	CU
0019	FLUORIDE	LT	0.2000	4.0000	0.2000	mg/L
0020	NITRATE-N	LT	0.2000	10.0000	0.5000	mg/L
0021	CHLORIDE	LT	5.0000	250.0000	20.0000	mg/L

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View Sample Detail - WSID 22585F - EGGIMANN-664

Collect Date 1/21/1985
 Lab Number 051
 Lab Name Duplicate - WA St PH Laboratories
 Sample Number 07862
 Source 01
 Analyte Group IOC-INORGANIC CONTAMINANTS
 Test Panel ICHEM-PRE II/V INORGANIC ANALYSIS
 Sample Location
 Sample Type Unknown

Result Range, A/P, Units: Mouse over for full description

Analyte DOH Num	Analyte Name	Result Range	Result Quantity	Maximum Contaminant Level	State Reporting Limit	Units
0008	IRON	EQ	0.5800	0.3000	0.1000	mg/L
0010	MANGANESE	EQ	0.0950	0.0500	0.0100	mg/L
0014	SODIUM	EQ	20.0000		5.0000	mg/L
0015	HARDNESS	EQ	100.0000		10.0000	mg/L
0016	CONDUCTIVITY	EQ	260.0000	700.0000	10.0000	Umhos/cm
0017	TURBIDITY	EQ	0.6000		0.1000	NTU
0018	COLOR	EQ	10.0000	15.0000	5.0000	CU
0021	CHLORIDE	EQ	5.0000	250.0000	20.0000	mg/L
0004	ARSENIC	LT	0.0100	0.0104	0.0200	mg/L
0005	BARIUM	LT	0.2500	2.0000	0.1000	mg/L
0006	CADMIUM	LT	0.0020	0.0050	0.0020	mg/L
0007	CHROMIUM	LT	0.0100	0.1000	0.0100	mg/L
0009	LEAD	LT	0.0100		0.0020	mg/L
0011	MERCURY	LT	0.0005	0.0020	0.0005	mg/L
0012	SELENIUM	LT	0.0030	0.0500	0.0050	mg/L
0013	SILVER	LT	0.0100	0.1000	0.0100	mg/L
0019	FLUORIDE	LT	0.2000	4.0000	0.2000	mg/L
0020	NITRATE-N	LT	0.2000	10.0000	0.5000	mg/L

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Collect Date 11/5/1987
 Lab Number 089
 Lab Name Water Management Laboratory Inc
 Sample Number 00929
 Source 01
 Analyte Group IOC-INORGANIC CONTAMINANTS
 Test Panel ICHEM-PRE II/V INORGANIC ANALYSIS
 Sample Location
 Sample Type Unknown

Result Range, A/P, Units: Mouse over for full description

Analyte DOH Num	Analyte Name	Result Range	Result Quantity	Maximum Contaminant Level	State Reporting Limit	Units
0008	IRON	EQ	0.7600	0.3000	0.1000	mg/L
0010	MANGANESE	EQ	0.2300	0.0500	0.0100	mg/L
0014	SODIUM	EQ	22.0000		5.0000	mg/L
0015	HARDNESS	EQ	82.0000		10.0000	mg/L
0016	CONDUCTIVITY	EQ	220.0000	700.0000	10.0000	Umhos/cm
0017	TURBIDITY	EQ	0.7000		0.1000	NTU
0018	COLOR	EQ	5.0000	15.0000	5.0000	CU
0021	CHLORIDE	EQ	3.0000	250.0000	20.0000	mg/L
0004	ARSENIC	LT	0.0100	0.0104	0.0200	mg/L
0005	BARIUM	LT	0.2500	2.0000	0.1000	mg/L
0006	CADMIUM	LT	0.0020	0.0050	0.0020	mg/L
0007	CHROMIUM	LT	0.0100	0.1000	0.0100	mg/L
0009	LEAD	LT	0.0100		0.0020	mg/L
0011	MERCURY	LT	0.0010	0.0020	0.0005	mg/L
0012	SELENIUM	LT	0.0050	0.0500	0.0050	mg/L
0013	SILVER	LT	0.0100	0.1000	0.0100	mg/L
0019	FLUORIDE	LT	0.2000	4.0000	0.2000	mg/L
0020	NITRATE-N	LT	0.2000	10.0000	0.5000	mg/L

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Collect Date 6/11/1992
 Lab Number 089
 Lab Name Water Management Laboratory Inc
 Sample Number 11254
 Source 01
 Analyte Group IOC-INORGANIC CONTAMINANTS
 Test Panel ICHEM-PRE II/V INORGANIC ANALYSIS
 Sample Location
 Sample Type Unknown

Result Range, A/P, Units: Mouse over for full description

Analyte DOH Num	Analyte Name	Result Range	Result Quantity	Maximum Contaminant Level	State Reporting Limit	Units
0008	IRON	EQ	0.4900	0.3000	0.1000	mg/L
0010	MANGANESE	EQ	0.1050	0.0500	0.0100	mg/L
0014	SODIUM	EQ	19.0000		5.0000	mg/L
0015	HARDNESS	EQ	85.0000		10.0000	mg/L
0016	CONDUCTIVITY	EQ	236.0000	700.0000	10.0000	Umhos/cm
0017	TURBIDITY	EQ	0.5000		0.1000	NTU
0018	COLOR	EQ	10.0000	15.0000	5.0000	CU
0021	CHLORIDE	EQ	2.0000	250.0000	20.0000	mg/L
0004	ARSENIC	LT	0.0100	0.0104	0.0200	mg/L
0005	BARIUM	LT	0.2500	2.0000	0.1000	mg/L
0006	CADMIUM	LT	0.0020	0.0050	0.0020	mg/L
0007	CHROMIUM	LT	0.0100	0.1000	0.0100	mg/L
0009	LEAD	LT	0.0050		0.0020	mg/L
0011	MERCURY	LT	0.0010	0.0020	0.0005	mg/L
0012	SELENIUM	LT	0.0050	0.0500	0.0050	mg/L
0013	SILVER	LT	0.0100	0.1000	0.0100	mg/L
0019	FLUORIDE	LT	0.2000	4.0000	0.2000	mg/L
0020	NITRATE-N	LT	0.2000	10.0000	0.5000	mg/L

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View Sample Detail - WSID 22585F - EGGIMANN-664

Collect Date 7/6/1995
 Lab Number 089
 Lab Name Water Management Laboratory Inc
 Sample Number 21696
 Source 01
 Analyte Group IOC-INORGANIC CONTAMINANTS
 Test Panel IOC-COMPLETE INORGANIC ANALYSIS
 Sample Location
 Sample Type Pre-Treatment / Raw

Result Range, A/P, Units: Mouse over for full description

Analyte DOH Num	Analyte Name	Result Range	Result Quantity	Maximum Contaminant Level	State Reporting Limit	Units
0008	IRON	EQ	0.4100	0.3000	0.1000	mg/L
0014	SODIUM	EQ	18.0000		5.0000	mg/L
0015	HARDNESS	EQ	86.0000		10.0000	mg/L
0016	CONDUCTIVITY	EQ	247.0000	700.0000	70.0000	Umhos/cm
0017	TURBIDITY	EQ	0.4000		0.1000	NTU
0018	COLOR	EQ	5.0000	15.0000	15.0000	CU
0019	FLUORIDE	EQ	0.3000	4.0000	0.2000	mg/L
0021	CHLORIDE	EQ	4.0000	250.0000	20.0000	mg/L
0004	ARSENIC	LT	0.0100	0.0104	0.0010	mg/L
0005	BARIUM	LT	0.1000	2.0000	0.1000	mg/L
0006	CADMIUM	LT	0.0020	0.0050	0.0010	mg/L
0007	CHROMIUM	LT	0.0100	0.1000	0.0070	mg/L
0009	LEAD	LT	0.0020		0.0010	mg/L
0010	MANGANESE	LT	0.0100	0.0500	0.0100	mg/L
0011	MERCURY	LT	0.0005	0.0020	0.0002	mg/L
0012	SELENIUM	LT	0.0050	0.0500	0.0020	mg/L
0013	SILVER	LT	0.0100	0.1000	0.1000	mg/L
0020	NITRATE-N	LT	0.2000	10.0000	0.5000	mg/L
0023	COPPER	LT	0.0200		0.0200	mg/L
0024	ZINC	LT	0.0500	5.0000	0.2000	mg/L
0110	BERYLLIUM	LT	0.0020	0.0040	0.0003	mg/L
0111	NICKEL	LT	0.0400	0.1000	0.0050	mg/L
0112	ANTIMONY	LT	0.0020	0.0060	0.0030	mg/L
0113	THALLIUM	LT	0.0010	0.0020	0.0010	mg/L
0114	NITRITE-N	LT	0.2000	1.0000	0.1000	mg/L



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Collect Date	9/15/1997
Lab Number	089
Lab Name	Water Management Laboratory Inc
Sample Number	43996
Source	Dist
Analyte Group	MICRO-MICROBIOLOGICAL
Test Panel	COLI_AP-ABSENCE / PRESENCE
Sample Location	HYD 2
Sample Type	Post-Treatment / Finished

Result Range, A/P, Units: Mouse over for full description

Analyte DOH Num	Analyte Name	Result Range	A/P	Units	Maximum Contaminant Level State Reporting Limit
0001	TOTAL COLIFORM	EQ	P	/100ml	
0003	E. COLI	EQ	A	/100ml	

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Collect Date 9/24/1997
 Lab Number 089
 Lab Name Water Management Laboratory Inc
 Sample Number 44682
 Source Dist
 Analyte Group MICRO-MICROBIOLOGICAL
 Test Panel COLI_AP-ABSENCE / PRESENCE
 Sample Location HYD 3
 Sample Type Post-Treatment / Finished

Result Range, A/P, Units: Mouse over for full description

Analyte DOH Num	Analyte Name	Result Range	A/P	Units	Maximum Contaminant Level State Reporting Limit
0001	TOTAL COLIFORM	EQ	P	/100ml	
0003	E. COLI	EQ	A	/100ml	

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View Sample Detail - WSID 22585F - EGGIMANN-664

Collect Date 8/17/1998
 Lab Number 089
 Lab Name Water Management Laboratory Inc
 Sample Number 34485
 Source 01
 Analyte Group IOC-INORGANIC CONTAMINANTS
 Test Panel IOC-COMPLETE INORGANIC ANALYSIS
 Sample Location WHD TAP
 Sample Type Pre-Treatment / Raw

Result Range, A/P, Units: Mouse over for full description

Analyte DOH		Maximum Contaminant Level				
Num	Analyte Name	Result Range	Result Quantity	State Reporting Limit	Units	
0010	MANGANESE	EQ	0.1100	0.0500	0.0100	mg/L
0008	IRON	EQ	0.2900	0.3000	0.1000	mg/L
0014	SODIUM	EQ	20.0000		5.0000	mg/L
0015	HARDNESS	EQ	84.0000		10.0000	mg/L
0016	CONDUCTIVITY	EQ	239.0000	700.0000	70.0000	Umhos/cm
0017	TURBIDITY	EQ	0.4000		0.1000	NTU
0021	CHLORIDE	EQ	4.0000	250.0000	20.0000	mg/L
0004	ARSENIC	LT	0.0100	0.0104	0.0010	mg/L
0005	BARIUM	LT	0.1000	2.0000	0.1000	mg/L
0006	CADMIUM	LT	0.0020	0.0050	0.0010	mg/L
0007	CHROMIUM	LT	0.0100	0.1000	0.0070	mg/L
0009	LEAD	LT	0.0020		0.0010	mg/L
0011	MERCURY	LT	0.0005	0.0020	0.0002	mg/L
0012	SELENIUM	LT	0.0050	0.0500	0.0020	mg/L
0013	SILVER	LT	0.0100	0.1000	0.1000	mg/L
0018	COLOR	LT	5.0000	15.0000	15.0000	CU
0019	FLUORIDE	LT	0.2000	4.0000	0.2000	mg/L
0020	NITRATE-N	LT	0.2000	10.0000	0.5000	mg/L
0023	COPPER	LT	0.0200		0.0200	mg/L
0024	ZINC	LT	0.0500	5.0000	0.2000	mg/L
0110	BERYLLIUM	LT	0.0020	0.0040	0.0003	mg/L
0111	NICKEL	LT	0.0400	0.1000	0.0050	mg/L
0112	ANTIMONY	LT	0.0020	0.0060	0.0030	mg/L
0113	THALLIUM	LT	0.0010	0.0020	0.0010	mg/L
0114	NITRITE-N	LT	0.2000	1.0000	0.1000	mg/L



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Collect Date 2/17/2017
 Lab Number 089
 Lab Name Water Management Laboratory Inc
 Sample Number 65298
 Source Dist
 Analyte Group MICRO-MICROBIOLOGICAL
 Test Panel COLI_AP-ABSENCE / PRESENCE
 Sample Location 5027 80th ave
 Sample Type Post-Treatment / Finished

Result Range, A/P, Units: Mouse over for full description

Analyte DOH Num	Analyte Name	Result Range	A/P	Units	Maximum Contaminant Level State Reporting Limit
0001	TOTAL COLIFORM	EQ	P	/100ml	
0003	E. COLI	EQ	A	/100ml	

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Collect Date 8/20/2019
Lab Number 089
Lab Name Water Management Laboratory Inc
Sample Number 08866
Source 01
Analyte Group IOC-INORGANIC CONTAMINANTS
Test Panel IOC_SHORT-INORGANIC SHORT FORM
Sample Location dist tap
Sample Type Pre-Treatment / Raw

Result Range, A/P, Units: Mouse over for full description

Analyte DOH				Maximum Contaminant Level	State Reporting Limit	Units
Num	Analyte Name	Result Range	Result Quantity			
0008	IRON	EQ	0.3600	0.3000	0.1000	mg/L
0010	MANGANESE	EQ	0.1140	0.0500	0.0100	mg/L
0020	NITRATE-N	EQ	0.4900	10.0000	0.5000	mg/L

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Collect Date 10/12/2021
Lab Number 089
Lab Name Water Management Laboratory Inc
Sample Number 00342
Source Dist
Analyte Group MICRO-MICROBIOLOGICAL
Test Panel COLI_AP-ABSENCE / PRESENCE
Sample Location ss 5001 79th ct
Sample Type Post-Treatment / Finished

Result Range, A/P, Units: Mouse over for full description

Analyte DOH					Maximum Contaminant Level	State Reporting Limit
Num	Analyte Name	Result Range	A/P	Units		
0001	TOTAL COLIFORM	EQ	P	/100ml		
0003	E. COLI	EQ	A	/100ml		

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Collect Date 6/8/1989
Lab Number 089
Lab Name Water Management Laboratory Inc
Sample Number 03484
Source 01
Analyte Group IOC-INORGANIC CONTAMINANTS
Test Panel ICHEM-PRE II/V INORGANIC ANALYSIS
Sample Location
Sample Type Unknown

Result Range, A/P, Units: Mouse over for full description

Analyte DOH		Maximum Contaminant				
Num	Analyte Name	Result Range	Result Quantity	Level	State Reporting Limit	Units
0008	IRON	EQ	0.4100	0.3000	0.1000	mg/L
0010	MANGANESE	EQ	0.0690	0.0500	0.0100	mg/L
0014	SODIUM	EQ	13.0000		5.0000	mg/L
0015	HARDNESS	EQ	68.0000		10.0000	mg/L
0016	CONDUCTIVITY	EQ	257.0000	700.0000	10.0000	Umhos/cm
0017	TURBIDITY	EQ	0.7000		0.1000	NTU
0018	COLOR	EQ	5.0000	15.0000	5.0000	CU
0021	CHLORIDE	EQ	7.0000	250.0000	20.0000	mg/L
0004	ARSENIC	LT	0.0100	0.0104	0.0200	mg/L
0005	BARIUM	LT	0.2500	2.0000	0.1000	mg/L
0006	CADMIUM	LT	0.0020	0.0050	0.0020	mg/L
0007	CHROMIUM	LT	0.0100	0.1000	0.0100	mg/L
0009	LEAD	LT	0.0100		0.0020	mg/L
0011	MERCURY	LT	0.0010	0.0020	0.0005	mg/L
0012	SELENIUM	LT	0.0050	0.0500	0.0050	mg/L
0013	SILVER	LT	0.0100	0.1000	0.0100	mg/L
0019	FLUORIDE	LT	0.2000	4.0000	0.2000	mg/L
0020	NITRATE-N	LT	0.2000	10.0000	0.5000	mg/L

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Collect Date 5/2/2001
 Lab Number 089
 Lab Name Water Management Laboratory Inc
 Sample Number 49291
 Source 01
 Analyte Group IOC-INORGANIC CONTAMINANTS
 Test Panel IOC-COMPLETE INORGANIC ANALYSIS
 Sample Location WELL/HEAD
 Sample Type Pre-Treatment / Raw

Result Range, A/P, Units: Mouse over for full description

Analyte DOH Num	Analyte Name	Result Range	Result Quantity	Maximum Contaminant Level	State Reporting Limit	Units
0010	MANGANESE	EQ	0.0850	0.0500	0.0100	mg/L
0008	IRON	EQ	0.2700	0.3000	0.1000	mg/L
0014	SODIUM	EQ	14.0000		5.0000	mg/L
0015	HARDNESS	EQ	103.0000		10.0000	mg/L
0016	CONDUCTIVITY	EQ	250.0000	700.0000	70.0000	Umhos/cm
0017	TURBIDITY	EQ	0.5000		0.1000	NTU
0021	CHLORIDE	EQ	5.0000	250.0000	20.0000	mg/L
0024	ZINC	EQ	0.0900	5.0000	0.2000	mg/L
0004	ARSENIC	LT	0.0100	0.0104	0.0010	Milligrams per Liter
0005	BARIUM	LT	0.1000	2.0000	0.1000	mg/L
0006	CADMIUM	LT	0.0020	0.0050	0.0010	mg/L
0007	CHROMIUM	LT	0.0100	0.1000	0.0070	mg/L
0009	LEAD	LT	0.0020		0.0010	mg/L
0011	MERCURY	LT	0.0005	0.0020	0.0002	mg/L
0012	SELENIUM	LT	0.0050	0.0500	0.0020	mg/L
0013	SILVER	LT	0.0100	0.1000	0.1000	mg/L
0018	COLOR	LT	5.0000	15.0000	15.0000	CU
0019	FLUORIDE	LT	0.2000	4.0000	0.2000	mg/L
0020	NITRATE-N	LT	0.2000	10.0000	0.5000	mg/L
0022	SULFATE	LT	1.0000	250.0000	50.0000	mg/L
0023	COPPER	LT	0.0200		0.0200	mg/L
0110	BERYLLIUM	LT	0.0020	0.0040	0.0003	mg/L
0111	NICKEL	LT	0.0400	0.1000	0.0050	mg/L
0112	ANTIMONY	LT	0.0020	0.0060	0.0030	mg/L
0113	THALLIUM	LT	0.0010	0.0020	0.0010	mg/L

View Sample Detail - WSID 34934B - SCHENK WATER SYSTEM

Collect Date 5/5/2004
 Lab Number 089
 Lab Name Water Management Laboratory Inc
 Sample Number 67606
 Source 01
 Analyte Group IOC-INORGANIC CONTAMINANTS
 Test Panel IOC-COMPLETE INORGANIC ANALYSIS
 Sample Location tap 50 ft from well
 Sample Type Pre-Treatment / Raw

Result Range, A/P, Units: Mouse over for full description

Analyte DOH				Maximum Contaminant Level		Units
Num	Analyte Name	Result Range	Result Quantity	State Reporting Limit		
0008	IRON	EQ	0.3200	0.3000	0.1000	mg/L
0010	MANGANESE	EQ	0.0900	0.0500	0.0100	mg/L
0014	SODIUM	EQ	15.0000		5.0000	mg/L
0015	HARDNESS	EQ	118.0000		10.0000	mg/L
0016	CONDUCTIVITY	EQ	245.0000	700.0000	70.0000	Umhos/cm
0017	TURBIDITY	EQ	0.9000		0.1000	NTU
0019	FLUORIDE	EQ	0.2000	4.0000	0.2000	mg/L
0021	CHLORIDE	EQ	4.0000	250.0000	20.0000	mg/L
0004	ARSENIC	LT	0.0020	0.0104	0.0010	mg/L
0005	BARIUM	LT	0.1000	2.0000	0.1000	mg/L
0006	CADMIUM	LT	0.0020	0.0050	0.0010	mg/L
0007	CHROMIUM	LT	0.0100	0.1000	0.0070	mg/L
0009	LEAD	LT	0.0020		0.0010	mg/L
0011	MERCURY	LT	0.0005	0.0020	0.0002	mg/L
0012	SELENIUM	LT	0.0050	0.0500	0.0020	mg/L
0013	SILVER	LT	0.0100	0.1000	0.1000	mg/L
0018	COLOR	LT	5.0000	15.0000	15.0000	CU
0020	NITRATE-N	LT	0.2000	10.0000	0.5000	mg/L
0022	SULFATE	LT	1.0000	250.0000	50.0000	mg/L
0023	COPPER	LT	0.0200		0.0200	mg/L
0024	ZINC	LT	0.2000	5.0000	0.2000	mg/L
0110	BERYLLIUM	LT	0.0030	0.0040	0.0003	mg/L
0111	NICKEL	LT	0.0400	0.1000	0.0050	mg/L
0112	ANTIMONY	LT	0.0050	0.0060	0.0030	mg/L
0113	THALLIUM	LT	0.0020	0.0020	0.0010	mg/L



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View Sample Detail - WSID 34934B - SCHENK WATER SYSTEM

Collect Date	1/4/2012
Lab Number	089
Lab Name	Water Management Laboratory Inc
Sample Number	98006
Source	Dist
Analyte Group	MICRO-MICROBIOLOGICAL
Test Panel	COLI_AP-ABSENCE / PRESENCE
Sample Location	bldg a unit 1
Sample Type	Post-Treatment / Finished

Result Range, A/P, Units: Mouse over for full description

Analyte DOH Num	Analyte Name	Result Range	A/P	Units	Maximum Contaminant Level State Reporting Limit
0001	TOTAL COLIFORM	EQ	P	/100ml	
0003	E. COLI	EQ	A	/100ml	

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Collect Date 10/10/2019
Lab Number 089
Lab Name Water Management Laboratory Inc
Sample Number 10804
Source 01
Analyte Group IOC-INORGANIC CONTAMINANTS
Test Panel IOC_SHORT-INORGANIC SHORT FORM
Sample Location ph hb
Sample Type Pre-Treatment / Raw

Result Range, A/P, Units: Mouse over for full description

Analyte DOH		Maximum Contaminant				
Num	Analyte Name	Result Range	Result Quantity	Level	State Reporting Limit	Units
0010	MANGANESE	EQ	0.0790	0.0500	0.0100	mg/L
0008	IRON	EQ	0.3000	0.3000	0.1000	mg/L

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Collect Date 5/23/2022
 Lab Number 089
 Lab Name Water Management Laboratory Inc
 Sample Number 02791
 Source 01
 Analyte Group IOC-INORGANIC CONTAMINANTS
 Test Panel IOC-COMPLETE INORGANIC ANALYSIS
 Sample Location hb
 Sample Type Pre-Treatment / Raw

Result Range, A/P, Units: Mouse over for full description

Analyte DOH				Maximum Contaminant Level	State Reporting Limit	Units
Num	Analyte Name	Result Range	Result Quantity			
0010	MANGANESE	EQ	0.0840	0.0500	0.0100	mg/L
0014	SODIUM	EQ	12.7000		5.0000	mg/L
0015	HARDNESS	EQ	110.0000		10.0000	mg/L
0016	CONDUCTIVITY	EQ	235.9000	700.0000	70.0000	Umhos/cm
0017	TURBIDITY	EQ	0.3800		0.1000	NTU
0018	COLOR	EQ	7.5000	15.0000	15.0000	CU
0021	CHLORIDE	EQ	4.4000	250.0000	20.0000	mg/L
0004	ARSENIC	LT	0.0010	0.0104	0.0010	mg/L
0005	BARIUM	LT	0.1000	2.0000	0.1000	mg/L
0006	CADMIUM	LT	0.0010	0.0050	0.0010	mg/L
0007	CHROMIUM	LT	0.0070	0.1000	0.0070	mg/L
0009	LEAD	LT	0.0010		0.0010	mg/L
0011	MERCURY	LT	0.0002	0.0020	0.0002	mg/L
0012	SELENIUM	LT	0.0020	0.0500	0.0020	mg/L
0013	SILVER	LT	0.0100	0.1000	0.1000	mg/L
0019	FLUORIDE	LT	0.2000	4.0000	0.2000	mg/L
0020	NITRATE-N	LT	0.2000	10.0000	0.5000	mg/L
0022	SULFATE	LT	1.0000	250.0000	50.0000	mg/L
0023	COPPER	LT	0.0200		0.0200	mg/L
0024	ZINC	LT	0.2000	5.0000	0.2000	mg/L
0110	BERYLLIUM	LT	0.0003	0.0040	0.0003	mg/L
0111	NICKEL	LT	0.0050	0.1000	0.0050	mg/L
0112	ANTIMONY	LT	0.0030	0.0060	0.0030	mg/L
0113	THALLIUM	LT	0.0010	0.0020	0.0010	mg/L
0114	NITRITE-N	LT	0.1000	1.0000	0.1000	mg/L



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MANOR

Collect Date 9/13/1979
 Lab Number 051
 Lab Name Duplicate - WA St PH Laboratories
 Sample Number 03832
 Source 01
 Analyte Group IOC-INORGANIC CONTAMINANTS
 Test Panel ICHM-PRE II/V INORGANIC ANALYSIS
 Sample Location
 Sample Type Unknown

Result Range, A/P, Units: Mouse over for full description

Analyte

DOH

Num	Analyte Name	Result Range	Result Quantity	Maximum Contaminant Level	State Reporting Limit	Units
0010	MANGANESE	EQ	0.1200	0.0500	0.0100	mg/L
0004	ARSENIC	EQ	0.0100	0.0104	0.0200	mg/L
0008	IRON	EQ	0.1000	0.3000	0.1000	mg/L
0015	HARDNESS	EQ	80.0000		10.0000	mg/L
0016	CONDUCTIVITY	EQ	320.0000	700.0000	10.0000	Umhos/cm
0017	TURBIDITY	EQ	0.5000		0.1000	NTU
0018	COLOR	EQ	5.0000	15.0000	5.0000	CU
0005	BARIUM	LT	0.2500	2.0000	0.1000	mg/L
0006	CADMIUM	LT	0.0020	0.0050	0.0020	mg/L
0007	CHROMIUM	LT	0.0100	0.1000	0.0100	mg/L
0009	LEAD	LT	0.0100		0.0020	mg/L
0011	MERCURY	LT	0.0010	0.0020	0.0005	mg/L
0012	SELENIUM	LT	0.0050	0.0500	0.0050	mg/L
0013	SILVER	LT	0.0100	0.1000	0.0100	mg/L
0019	FLUORIDE	LT	0.2000	4.0000	0.2000	mg/L
0020	NITRATE-N	LT	0.2000	10.0000	0.5000	mg/L



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MANOR

Collect Date 6/22/1982
 Lab Number 052
 Lab Name Duplicate - WA St PH Laboratories
 Sample Number 08150
 Source 01
 Analyte Group IOC-INORGANIC CONTAMINANTS
 Test Panel ICHEM-PRE II/V INORGANIC ANALYSIS
 Sample Location
 Sample Type Unknown

Result Range, A/P, Units: Mouse over for full description

Analyte DOH		Result Range		Maximum Contaminant Level		State Reporting Limit	Units
Num	Analyte Name		Result Quantity				
0010	MANGANESE	EQ	0.0900	0.0500	0.0100		mg/L
0008	IRON	EQ	0.0600	0.3000	0.1000		mg/L

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MANOR

Collect Date 3/2/1983
 Lab Number 051
 Lab Name Duplicate - WA St PH Laboratories
 Sample Number 06441
 Source 01
 Analyte Group IOC-INORGANIC CONTAMINANTS
 Test Panel ICHEM-PRE II/V INORGANIC ANALYSIS
 Sample Location
 Sample Type Unknown

Result Range, A/P, Units: Mouse over for full description

Analyte

DOH

Num	Analyte Name	Result Range	Result Quantity	Maximum Contaminant Level	State Reporting Limit	Units
0004	ARSENIC	EQ	0.0120	0.0104	0.0200	mg/L
0008	IRON	EQ	1.5000	0.3000	0.1000	mg/L
0010	MANGANESE	EQ	0.1500	0.0500	0.0100	mg/L
0009	LEAD	EQ	0.0840		0.0020	mg/L
0011	MERCURY	EQ	0.0005	0.0020	0.0005	mg/L
0014	SODIUM	EQ	24.0000		5.0000	mg/L
0015	HARDNESS	EQ	120.0000		10.0000	mg/L
0016	CONDUCTIVITY	EQ	270.0000	700.0000	10.0000	Umhos/cm
0017	TURBIDITY	EQ	0.2000		0.1000	NTU
0021	CHLORIDE	EQ	10.0000	250.0000	20.0000	mg/L
0005	BARIUM	LT	0.2500	2.0000	0.1000	mg/L
0006	CADMIUM	LT	0.0020	0.0050	0.0020	mg/L
0007	CHROMIUM	LT	0.0100	0.1000	0.0100	mg/L
0012	SELENIUM	LT	0.0050	0.0500	0.0050	mg/L
0013	SILVER	LT	0.0100	0.1000	0.0100	mg/L
0018	COLOR	LT	5.0000	15.0000	5.0000	CU
0019	FLUORIDE	LT	0.2000	4.0000	0.2000	mg/L



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Collect Date 8/9/1983
Lab Number 052
Lab Name Duplicate - WA St PH Laboratories
Sample Number 09410
Source 01
Analyte Group IOC-INORGANIC CONTAMINANTS
Test Panel ICHEM-PRE II/V INORGANIC ANALYSIS
Sample Location
Sample Type Unknown

Result Range, A/P, Units: Mouse over for full description

Analyte DOH		Result Range		Maximum Contaminant Level	State Reporting Limit	Units
Num	Analyte Name		Result Quantity			
0010	MANGANESE	EQ	0.0800	0.0500	0.0100	mg/L
0008	IRON	EQ	0.0500	0.3000	0.1000	mg/L

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Collect Date 8/24/1983
 Lab Number 052
 Lab Name Duplicate - WA St PH Laboratories
 Sample Number 09454
 Source 01
 Analyte Group IOC-INORGANIC CONTAMINANTS
 Test Panel ICHEM-PRE II/V INORGANIC ANALYSIS
 Sample Location
 Sample Type Unknown

Result Range, A/P, Units: Mouse over for full description

Analyte DOH Num	Analyte Name	Result Range	Result Quantity	Maximum Contaminant Level	State Reporting Limit	Units
0010	MANGANESE	EQ	0.0800	0.0500	0.0100	mg/L
0008	IRON	EQ	0.0700	0.3000	0.1000	mg/L

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Collect Date 8/31/1983
Lab Number 052
Lab Name Duplicate - WA St PH Laboratories
Sample Number 09482
Source 01
Analyte Group IOC-INORGANIC CONTAMINANTS
Test Panel ICHEM-PRE II/V INORGANIC ANALYSIS
Sample Location
Sample Type Unknown

Result Range, A/P, Units: Mouse over for full description

Analyte DOH		Result Range		Maximum Contaminant Level	State Reporting Limit	Units
Num	Analyte Name		Result Quantity			
0010	MANGANESE	EQ	0.0800	0.0500	0.0100	mg/L
0008	IRON	EQ	0.0700	0.3000	0.1000	mg/L

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MANOR

Collect Date 8/31/1983
 Lab Number 052
 Lab Name Duplicate - WA St PH Laboratories
 Sample Number 09482
 Source 01
 Analyte Group IOC-INORGANIC CONTAMINANTS
 Test Panel ICHEM-PRE II/V INORGANIC ANALYSIS
 Sample Location
 Sample Type Unknown

Result Range, A/P, Units: Mouse over for full description

Analyte DOH Num	Analyte Name	Result Range	Result Quantity	Maximum Contaminant Level	State Reporting Limit	Units
0010	MANGANESE	EQ	0.0800	0.0500	0.0100	mg/L
0008	IRON	EQ	0.0700	0.3000	0.1000	mg/L

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MANOR

Collect Date 9/29/1986
 Lab Number 051
 Lab Name Duplicate - WA St PH Laboratories
 Sample Number 09267
 Source 01
 Analyte Group IOC-INORGANIC CONTAMINANTS
 Test Panel ICHEM-PRE II/V INORGANIC ANALYSIS
 Sample Location
 Sample Type Unknown

Result Range, A/P, Units: Mouse over for full description

Analyte

DOH

Num	Analyte Name	Result Range	Result Quantity	Maximum Contaminant Level	State Reporting Limit	Units
0010	MANGANESE	EQ	0.0630	0.0500	0.0100	mg/L
0014	SODIUM	EQ	19.0000		5.0000	mg/L
0015	HARDNESS	EQ	80.0000		10.0000	mg/L
0016	CONDUCTIVITY	EQ	260.0000	700.0000	10.0000	Umhos/cm
0017	TURBIDITY	EQ	0.2000		0.1000	NTU
0019	FLUORIDE	EQ	0.2000	4.0000	0.2000	mg/L
0021	CHLORIDE	EQ	10.0000	250.0000	20.0000	mg/L
0004	ARSENIC	LT	0.0100	0.0104	0.0200	mg/L
0005	BARIUM	LT	0.2500	2.0000	0.1000	mg/L
0006	CADMIUM	LT	0.0020	0.0050	0.0020	mg/L
0007	CHROMIUM	LT	0.0100	0.1000	0.0100	mg/L
0008	IRON	LT	0.0500	0.3000	0.1000	mg/L
0009	LEAD	LT	0.0100		0.0020	mg/L
0011	MERCURY	LT	0.0005	0.0020	0.0005	mg/L
0012	SELENIUM	LT	0.0050	0.0500	0.0050	mg/L
0013	SILVER	LT	0.0100	0.1000	0.0100	mg/L
0018	COLOR	LT	5.0000	15.0000	5.0000	CU



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View Sample Detail - WSID 12630P - CHERRYWOOD MOBILE HOME MANOR

Collect Date	1/15/1996
Lab Number	107
Lab Name	TestAmerica - Seattle (Tacoma)
Sample Number	03990
Source	Dist
Analyte Group	MICRO-MICROBIOLOGICAL
Test Panel	COLI_AP-ABSENCE / PRESENCE
Sample Location	
Sample Type	Post-Treatment / Finished

Result Range, A/P, Units: Mouse over for full description

Analyte DOH		Result Range	A/P	Units	Maximum Contaminant Level State Reporting Limit
Num	Analyte Name				
0001	TOTAL COLIFORM	EQ	P	/100ml	
0003	E. COLI	EQ	A	/100ml	

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Collect Date	6/12/1997
Lab Number	107
Lab Name	TestAmerica - Seattle (Tacoma)
Sample Number	09044
Source	Dist
Analyte Group	MICRO-MICROBIOLOGICAL
Test Panel	COLI_AP-ABSENCE / PRESENCE
Sample Location	CLUB HOUSE
Sample Type	Post-Treatment / Finished

Result Range, A/P, Units: Mouse over for full description

Analyte DOH Num	Analyte Name	Result Range	A/P	Units	Maximum Contaminant Level State Reporting Limit
0001	TOTAL COLIFORM	EQ	P	/100ml	
0003	E. COLI	EQ	A	/100ml	

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Collect Date	6/16/1997
Lab Number	107
Lab Name	TestAmerica - Seattle (Tacoma)
Sample Number	09064
Source	Dist
Analyte Group	MICRO-MICROBIOLOGICAL
Test Panel	COLI_AP-ABSENCE / PRESENCE
Sample Location	CLUBHOUSE
Sample Type	Post-Treatment / Finished

Result Range, A/P, Units: Mouse over for full description

Analyte DOH Num	Analyte Name	Result Range	A/P	Units	Maximum Contaminant Level State Reporting Limit
0001	TOTAL COLIFORM	EQ	P	/100ml	
0003	E. COLI	EQ	A	/100ml	

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Collect Date	2/13/1998
Lab Number	107
Lab Name	TestAmerica - Seattle (Tacoma)
Sample Number	10997
Source	Dist
Analyte Group	MICRO-MICROBIOLOGICAL
Test Panel	COLI_AP-ABSENCE / PRESENCE
Sample Location	75/KT
Sample Type	Post-Treatment / Finished

Result Range, A/P, Units: Mouse over for full description

Analyte DOH Num	Analyte Name	Result Range	A/P	Units	Maximum Contaminant Level State Reporting Limit
0001	TOTAL COLIFORM	EQ	P	/100ml	
0003	E. COLI	EQ	A	/100ml	

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Collect Date	7/13/1998
Lab Number	107
Lab Name	TestAmerica - Seattle (Tacoma)
Sample Number	12040
Source	Dist
Analyte Group	MICRO-MICROBIOLOGICAL
Test Panel	COLI_AP-ABSENCE / PRESENCE
Sample Location	#65
Sample Type	Post-Treatment / Finished

Result Range, A/P, Units: Mouse over for full description

Analyte DOH		Result Range	A/P	Units	Maximum Contaminant Level State Reporting Limit
Num	Analyte Name				
0001	TOTAL COLIFORM	EQ	P	/100ml	
0003	E. COLI	EQ	A	/100ml	

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Collect Date	4/12/1999
Lab Number	107
Lab Name	TestAmerica - Seattle (Tacoma)
Sample Number	13820
Source	Dist
Analyte Group	MICRO-MICROBIOLOGICAL
Test Panel	COLI_AP-ABSENCE / PRESENCE
Sample Location	65
Sample Type	Post-Treatment / Finished

Result Range, A/P, Units: Mouse over for full description

Analyte DOH Num	Analyte Name	Result Range	A/P	Units	Maximum Contaminant Level State Reporting Limit
0001	TOTAL COLIFORM	EQ	P	/100ml	
0003	E. COLI	EQ	A	/100ml	

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Collect Date	2/14/2000
Lab Number	107
Lab Name	TestAmerica - Seattle (Tacoma)
Sample Number	15996
Source	Dist
Analyte Group	MICRO-MICROBIOLOGICAL
Test Panel	COLI_AP-ABSENCE / PRESENCE
Sample Location	27
Sample Type	Post-Treatment / Finished

Result Range, A/P, Units: Mouse over for full description

Analyte DOH Num	Analyte Name	Result Range	A/P	Units	Maximum Contaminant Level State Reporting Limit
0001	TOTAL COLIFORM	EQ	P	/100ml	
0003	E. COLI	EQ	A	/100ml	

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MANOR

Collect Date 7/5/2019
 Lab Number 089
 Lab Name Water Management Laboratory Inc
 Sample Number 07069
 Source 01
 Analyte Group IOC-INORGANIC CONTAMINANTS
 Test Panel IOC-COMplete INORGANIC ANALYSIS
 Sample Location well 1 ph
 Sample Type Post-Treatment / Finished

Result Range, A/P, Units: Mouse over for full description

Analyte DOH		Maximum			Units	
Num	Analyte Name	Result Range	Result Quantity	Contaminant Level		State Reporting Limit
0010	MANGANESE	EQ	0.0860	0.0500	0.0100	mg/L
0004	ARSENIC	EQ	0.0088	0.0104	0.0010	mg/L
0014	SODIUM	EQ	22.6000		5.0000	mg/L
0015	HARDNESS	EQ	87.0000		10.0000	mg/L
0016	CONDUCTIVITY	EQ	244.9000	700.0000	70.0000	Umhos/cm
0017	TURBIDITY	EQ	1.4300		0.1000	NTU
0018	COLOR	EQ	10.0000	15.0000	15.0000	CU
0021	CHLORIDE	EQ	14.2000	250.0000	20.0000	mg/L
0005	BARIUM	LT	0.1000	2.0000	0.1000	mg/L
0006	CADMIUM	LT	0.0010	0.0050	0.0010	mg/L
0007	CHROMIUM	LT	0.0070	0.1000	0.0070	mg/L
0008	IRON	LT	0.1000	0.3000	0.1000	mg/L
0009	LEAD	LT	0.0010		0.0010	mg/L
0011	MERCURY	LT	0.0002	0.0020	0.0002	mg/L
0012	SELENIUM	LT	0.0020	0.0500	0.0020	mg/L
0013	SILVER	LT	0.0100	0.1000	0.1000	mg/L
0019	FLUORIDE	LT	0.2000	4.0000	0.2000	mg/L



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View Sample Detail - WSID 12630P - CHERRYWOOD MOBILE HOME MANOR

Collect Date	10/1/2019
Lab Number	089
Lab Name	Water Management Laboratory Inc
Sample Number	39344
Source	Dist
Analyte Group	MICRO-MICROBIOLOGICAL
Test Panel	COLI_AP-ABSENCE / PRESENCE
Sample Location	ph
Sample Type	Post-Treatment / Finished

Result Range, A/P, Units: Mouse over for full description

Analyte DOH Num	Analyte Name	Result Range	A/P	Units	Maximum Contaminant Level State Reporting Limit
0001	TOTAL COLIFORM	EQ	P	/100ml	
0003	E. COLI	EQ	A	/100ml	

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View Sample Detail - WSID 001215 - HAYES WATER SYSTEM

Collect Date 7/24/1990
Lab Number 089
Lab Name Water Management Laboratory Inc
Sample Number 05719
Source 01
Analyte Group IOC-INORGANIC CONTAMINANTS
Test Panel ICHEM-PRE II/V INORGANIC ANALYSIS
Sample Location 8105 52ND ST. E.
Sample Type Unknown

Result Range, A/P, Units: Mouse over for full
description

Analyte DOH		Maximum Contaminant		State Reporting Limit		Units
Num	Analyte Name	Result Range	Result Quantity	Level		
0008	IRON	EQ	0.6700	0.3000	0.1000	mg/L
0010	MANGANESE	EQ	0.0490	0.0500	0.0100	mg/L
0014	SODIUM	EQ	11.0000		5.0000	mg/L
0015	HARDNESS	EQ	97.0000		10.0000	mg/L
0016	CONDUCTIVITY	EQ	224.0000	700.0000	10.0000	Umhos/cm
0017	TURBIDITY	EQ	1.6000		0.1000	NTU
0018	COLOR	EQ	10.0000	15.0000	5.0000	CU
0021	CHLORIDE	EQ	6.0000	250.0000	20.0000	Color Units
0004	ARSENIC	LT	0.0100	0.0104	0.0200	mg/L
0005	BARIUM	LT	0.2500	2.0000	0.1000	mg/L
0006	CADMIUM	LT	0.0020	0.0050	0.0020	mg/L
0007	CHROMIUM	LT	0.0100	0.1000	0.0100	mg/L
0009	LEAD	LT	0.0050		0.0020	mg/L
0011	MERCURY	LT	0.0010	0.0020	0.0005	mg/L
0012	SELENIUM	LT	0.0050	0.0500	0.0050	mg/L
0013	SILVER	LT	0.0100	0.1000	0.0100	mg/L
0019	FLUORIDE	LT	0.2000	4.0000	0.2000	mg/L
0020	NITRATE-N	LT	0.2000	10.0000	0.5000	mg/L

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View Sample Detail - WSID 001215 - HAYES WATER SYSTEM

Collect Date	9/16/1996
Lab Number	107
Lab Name	TestAmerica - Seattle (Tacoma)
Sample Number	06771
Source	Dist
Analyte Group	MICRO-MICROBIOLOGICAL
Test Panel	COLI_AP-ABSENCE / PRESENCE
Sample Location	KT
Sample Type	Post-Treatment / Finished

Result Range, A/P, Units: Mouse over for full description

Analyte DOH		Result Range	A/P	Units	Maximum Contaminant Level State Reporting Limit
Num	Analyte Name				
0001	TOTAL COLIFORM	EQ	P	/100ml	
0003	E. COLI	EQ	A	/100ml	

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View Sample Detail - WSID 001215 - HAYES WATER SYSTEM

Collect Date	9/24/1996
Lab Number	107
Lab Name	TestAmerica - Seattle (Tacoma)
Sample Number	06882
Source	Dist
Analyte Group	MICRO-MICROBIOLOGICAL
Test Panel	COLI_AP-ABSENCE / PRESENCE
Sample Location	BT
Sample Type	Post-Treatment / Finished

Result Range, A/P, Units: Mouse over for full description

Analyte DOH Num	Analyte Name	Result Range	A/P	Units	Maximum Contaminant Level State Reporting Limit
0001	TOTAL COLIFORM	EQ	P	/100ml	
0003	E. COLI	EQ	A	/100ml	

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View Sample Detail - WSID 001215 - HAYES WATER SYSTEM

Collect Date	4/17/2019
Lab Number	118
Lab Name	Spectra Laboratories, LLC
Sample Number	36116
Source	Dist
Analyte Group	MICRO-MICROBIOLOGICAL
Test Panel	COLI_AP-ABSENCE / PRESENCE
Sample Location	none given
Sample Type	Post-Treatment / Finished

Result Range, A/P, Units: Mouse over for full description

Analyte DOH Num	Analyte Name	Result Range	A/P	Units	Maximum Contaminant Level State Reporting Limit
0001	TOTAL COLIFORM	EQ	P	/100ml	
0003	E. COLI	EQ	A	/100ml	

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View Sample Detail - WSID 001215 - HAYES WATER SYSTEM

Collect Date	4/25/2019
Lab Number	118
Lab Name	Spectra Laboratories, LLC
Sample Number	36170
Source	Dist
Analyte Group	MICRO-MICROBIOLOGICAL
Test Panel	COLI_AP-ABSENCE / PRESENCE
Sample Location	whd
Sample Type	Post-Treatment / Finished

Result Range, A/P, Units: Mouse over for full description

Analyte DOH Num	Analyte Name	Result Range	A/P	Units	Maximum Contaminant Level State Reporting Limit
0001	TOTAL COLIFORM	EQ	P	/100ml	
0003	E. COLI	EQ	A	/100ml	

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