

# PHASE I ENVIRONMENTAL SITE ASSESSMENT

*Conducted On:*

**SHORT FAMILY FARM  
1594, 1720 AND 2330 CENTER ROAD  
CHIMACUM (UNINCORPORATED), WASHINGTON 98325**



**December 13, 2022  
ADESA Project 1122-04**

*Prepared for:*

**PORT OF PORT TOWNSEND  
P.O. BOX 1180  
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*Prepared by:*

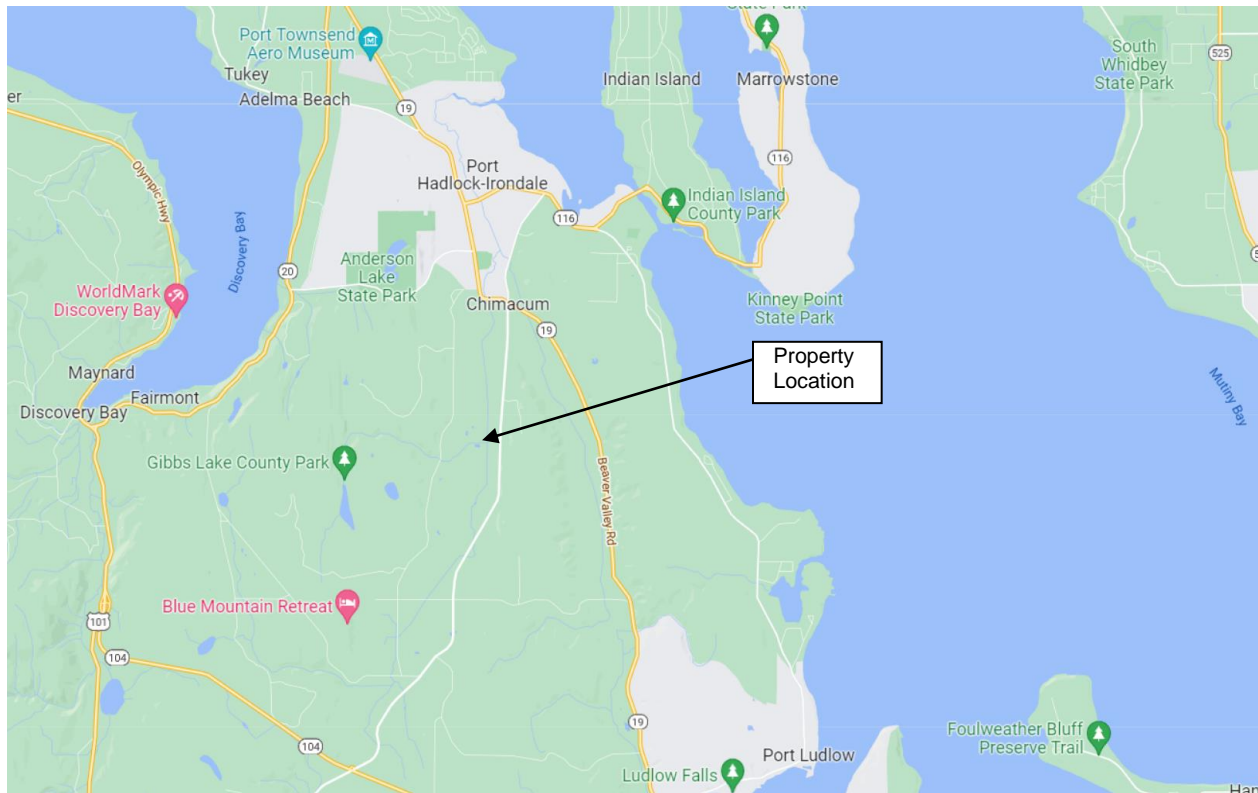
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## EXECUTIVE SUMMARY

This report represents the findings of ADESA's Phase I Environmental Site Assessment performed on the residential and agricultural property located at 1594, 1720 and 2330 Center Road Chimacum (unincorporated), Washington 98325; Jefferson County Parcel Number 901233011, 901224001, 901233002, 901233008, 901233010, 901262002 and 901262003 (Subject Property, Short Family Farm). This assessment is being performed for Port of Port Townsend to identify potential recognized environmental conditions (REC) and other potential environmental liabilities on the Subject Property.



**Figure 1.0: Property Location Map**

The approximately 253.14-acre Subject Property is developed as a residential and agricultural property composed of seven Jefferson County Tax Parcels. The primary structures on the Subject Property include an ~4,500 SF historic barn (circa 1880s); an ~5,000 SF hay shed known as the “mound shed” (circa 1880s); an ~1,498 SF single family residential structure (main house along Center Road, circa 1944); an 4,000 SF equipment storage shed (circa 1950's); an ~1,500 SF storage shed known as the “lumber shed” (circa 1960s); an ~3,500 SF barn structure known as the “south shed” (circa 1960's); an ~2,200 SF loafing/hay shed with scales known as the “center valley shed” (circa 1960's); two ~2,500 SF loafing/storage sheds known as the “western hay sheds” (circa 1960s); an ~1,500 SF storage shed (circa 1970s); an ~6,500 SF covered storage shed (circa 1980s); an ~4,500 SF commodities storage shed (soil and compost mixtures) (circa 1982); an ~3,400 SF milking parlor (circa 1985); an ~1,600 SF shop building (circa 1989/90); an ~4,000 SF open air calf shed (circa 1990); and two single wide manufactured homes. Construction dates are estimates based on sparse County property records, the review of historical maps/aerial photographs and interviews with the current owner.





Additional improvements on the Subject Property include primitive access road network; a small shed that formerly held the filter system for a former swimming pool; a 60ft domestic well (1991); a ~100ft irrigation well (circa 1950's); several concrete bunker silos; several man-made ponds (open to the public in conjunction with Washington State Department of Fish and Wildlife Waterfowl Quality Hunt Program; the ponds on Tax Parcel 901262003 are former peat harvest locations); small poultry houses; and an ~0.8 acre borrow area. Current operations on the Subject Property consist of yard waste receiving, composting, 200 head beef cattle operation (including small retail sales area in former milking parlor) and associated hay/silage production, logging and typical residential uses. Access to the Property is provided by four private driveways off Center Road to the east.

According to ADESA's review of the available historical record, the Subject Property was first developed with a wood framed single family residence and several ancillary agricultural structures in the 1880s. The Subject Property has been used for livestock related agricultural (beef cattle), hay/silage production and rural residential purposes. Prior to the first development, the Property was likely undeveloped forest and floodplain. Additionally, the Subject Property functioned as a small family dairy from the mid-1980's and until the mid-2000s and included the operation of the two former manure lagoons. Historical structures and improvements that are no longer in use or have been removed include: two single family residential structures constructed in the late 1800s/early 1900s (the remaining structure burned down circa 2022); an ~2 acre compost area (yard waste receiving/no longer in use); an ~0.32 acre area used for equipment storage; an ~300,000 gallon manure lagoon (dry; use reportedly discontinued circa 2005); an ~3 million gallon manure lagoon (dry; use reportedly discontinued circa 2005); a 1,000 gallon and a 3,000 gallon waste oil above ground storage tanks (ASTs); two 1,000 gallon diesel/gas ASTs; and two 10,000 gallon irrigation water ASTs (no longer present). Historical operations on the Subject Property have included livestock operations (small dairy, beef cattle, poultry), commercial composting facility, soil/compost sales (Short's Magical Soil), hay production, peat harvest, borrow pit and hunting.

During the site reconnaissance performed on November 17, 2022, Sandy Short, key property manager of the Short Family Farm, led ADESA on a tour of the Subject Property and provided information regarding the current and historical operation of the site through several interviews conducted during the course of this assessment. On the west facing exterior wall of the shop, ADESA observed one 55-gallon drum of waste oil sitting on a pallet, without secondary containment and in a location exposed to precipitation. Within the shop, ADESA observed several plastic containers of what appeared to be waste oil, and small containers of petroleum products, paint and other building maintenance chemicals typical of rural residential/agricultural operation. The potentially hazardous materials appeared to be properly stored. The concrete floor of the shop exhibited what appeared to be *de minimis* petroleum surface staining; however, no pools of liquid or floor drains were observed. Within the open sided shed known as the "Lumber Shed", ADESA observed two ~200 gallon and one ~300-gallon above-ground storage tanks (AST) containing motor oil/hydraulic transmission oil; ten 5-gallon buckets of hydraulic oil; and six 2 to 3-gallon plastic containers of fuel (diesel and gasoline). What appeared to be *de minimis* surface staining was observed on the concrete floor and soil immediately beneath and to the east of the AST. ADESA observed two large piles of gypsum wallboard fragments in a concrete silo in the southeast corner of Tax Parcel 901233010 and in the former yard waste collection area located in the west-central portion of Tax Parcel 901262003. According to interviews conducted with the current Subject Property owners and Mike Murray, Yard Manager of GTS Interior Supply, the GTS facility in Poulsbo receives shipments of drywall from the CertainTeed drywall manufacturing facility in Seattle. The drywall shipments are packed on top





of drywall scraps from the manufacturing facility to prevent damage during transport (used as dunnage). This dunnage material is what GTS Interior Supply provided to the farm. These drywall scraps are new material from the factory that has never been painted or used/installed (not reclaimed or recycled, and unlikely to contain significant quantities of the contaminants of concern). The gypsum wallboard dunnage is used by the Short Family Farm as a soil additive. Heavy equipment, including loaders, dump trucks, tractors, etc. were observed in the developed areas of the Subject Property. No areas of significant spills, dumping or indications of the current or historical use of commercial quantities of hazardous materials or petroleum products were observed, except for those discussed above. No REC were identified during the physical site inspection of the Property.

The Subject Property is identified on the ALL SITES - WA, FRS, SWF/LF – WA and SWTIRE 3 - WA regulatory databases reviewed for this report. The database listings are related to the current operation of the Subject Property as an active composting facility and the historical operation as a commercial dairy. In conjunction with the existing Composting Facility Permit, annual compliance sampling and analysis of onsite compost material conducted between 2007 and 2021 has not identified elevated concentrations of metals or other contaminants of concern in excess of Washington State Department of Ecology Cleanup Levels. No current violations or regulatory conditions suggestive of a release of hazardous substances were identified. Based on the current regulatory status of the Subject Property, these database listings are not considered recognized environmental conditions for the Subject Property. None of the surrounding sites within the ASTM search radii are considered recognized environmental conditions in association with the Subject Property due to regulatory status, distance from the Subject Property and/or groundwater gradient considerations.

The USFWS National Wetland Inventory maps and wetland maps compiled by Jefferson County indicate that freshwater emergent wetlands (Palustrine, Emergent, Persistent, Seasonally Flooded and Partially Drained/Ditched – PEM1Cd) cover most of the valley floor in the area of the Subject Property, with sparse smaller areas of forested/shrub wetlands. According to FEMA map panel 53031C0460C, effective on 06/07/2019, the areas on the Subject Property relatively higher in elevation than the valley floor are located in Zone X, outside of the 100-year and 500-year flood plains, and the areas on the Subject Property near the elevation of the valley floor are located in Zone A, areas subject to inundation by the 1-percent-annual-chance flood event but for which base flood elevations (BFEs) have not been established. According to groundwater data obtained for resource protection/domestic well data logs filed with the Washington State Department of Ecology, the static water level for the shallow aquifer is likely within 5 feet below the ground surface (bgs); however, seasonal variation is likely. Two wells were identified on the Subject Property, a 60ft domestic well (1991) and a ~100ft irrigation well (circa 1950's); however, only the data log for the 60ft domestic well was identified in the Washington State Department of Ecology well log database. Based on the topography of the area and the proximity to Chimacum Creek (and associated tributaries), the presumed groundwater flow is generally to the north (northeast/northwest depending on the location relative to Chimacum Creek).

The adjoining properties consist of the following:

North	Ancillary agricultural structures and agricultural land (no assigned address); single family residence, ancillary agricultural structures and agricultural land (1390 Center Road); single family residence (1582 Center Road)
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South	Single family residence (2600 Center Road); Finn River, LLC and single family residence, ancillary agricultural structures and agricultural land (62-142 Barn Swallow Road)
East	Undeveloped land (1717 Center Road); single family residence (1921 Center Road and 2397 Center Road)
West	Single family residence (1765, 1833, 1921, 2081, 2333, 2337, 2339, 2757, 2801 West Valley Road)

## **Conclusions**

ADESA has developed and performed this Phase I Environmental Site Assessment within the scope and limitations of ASTM Practice E 1527-13, and in conformance with the Federal AAI Rules. Any exceptions to, or deletions from, this practice are described in this report. The Phase I Site Assessment of the Short Family Farm property located at 1594, 1720 and 2330 Center Road Chimacum (unincorporated), Washington 98325 has revealed no evidence of recognized environmental conditions, controlled recognized environmental conditions or historical recognized environmental conditions.

Additionally, although not considered recognized environmental conditions, the following potential environmental liabilities (non-ASTM) were identified.

- ✚ Petroleum staining was observed within the shop and Lumber Shed. Care should be taken to limit runoff from these areas. Minor quantities of hazardous materials and building maintenance chemicals observed in the shop. Old or outdated products should be disposed of in accordance with local/state regulations.
- ✚ Storage of a 55-gallon steel drum of waste oil without secondary containment and exposed to precipitation. The 55-gallon drum of waste oil observed on the west facing exterior wall of the shop building should be stored with secondary containment and in a location protected from precipitation and/or surface water.
- ✚ The potential presence of asbestos containing building materials and/or lead based paint in the structures on the Subject Property cannot be discounted. ADESA recommends performing a lead-based paint and asbestos building inspection prior to significant remodeling/demolition of the onsite structures.

## **Recommendations**

- ✚ Based on the findings of this assessment, no further investigation is warranted at this time.





**PHASE I ENVIRONMENTAL SITE ASSESSMENT  
Short Family Farm**

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## 1.0 INTRODUCTION AND SCOPE OF WORK

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This report represents the findings of ADESA's Phase I Environmental Site Assessment performed on the residential and agricultural property located at 1594, 1720 and 2330 Center Road Chimacum (unincorporated), Washington 98325; Jefferson County Parcel Number 901233011, 901224001, 901233002, 901233008, 901233010, 901262002 and 901262003 (Subject Property, Short Family Farm). This assessment is being performed for Port of Port Townsend to identify potential recognized environmental conditions (REC) and other potential environmental liabilities on the Subject Property.

### 1.1 SCOPE OF WORK

This ESA has been completed at the request of Port of Port Townsend to satisfy the due diligence requirement necessary to qualify for the innocent purchaser defense to CERCLA environmental liability. Specifically, this means the practices that constitute all appropriate inquiry into the previous ownership and uses of the property, consistent with good commercial or customary practice, to identify any current or historic Recognized Environmental Conditions (REC/HREC). The scope-of-work for this ESA adheres to the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments (E 1527-13) and the United States Environmental Protection Agency (USEPA) All Appropriate Inquiry (AAI) Final Rule, 40 C.F.R. Part 312.

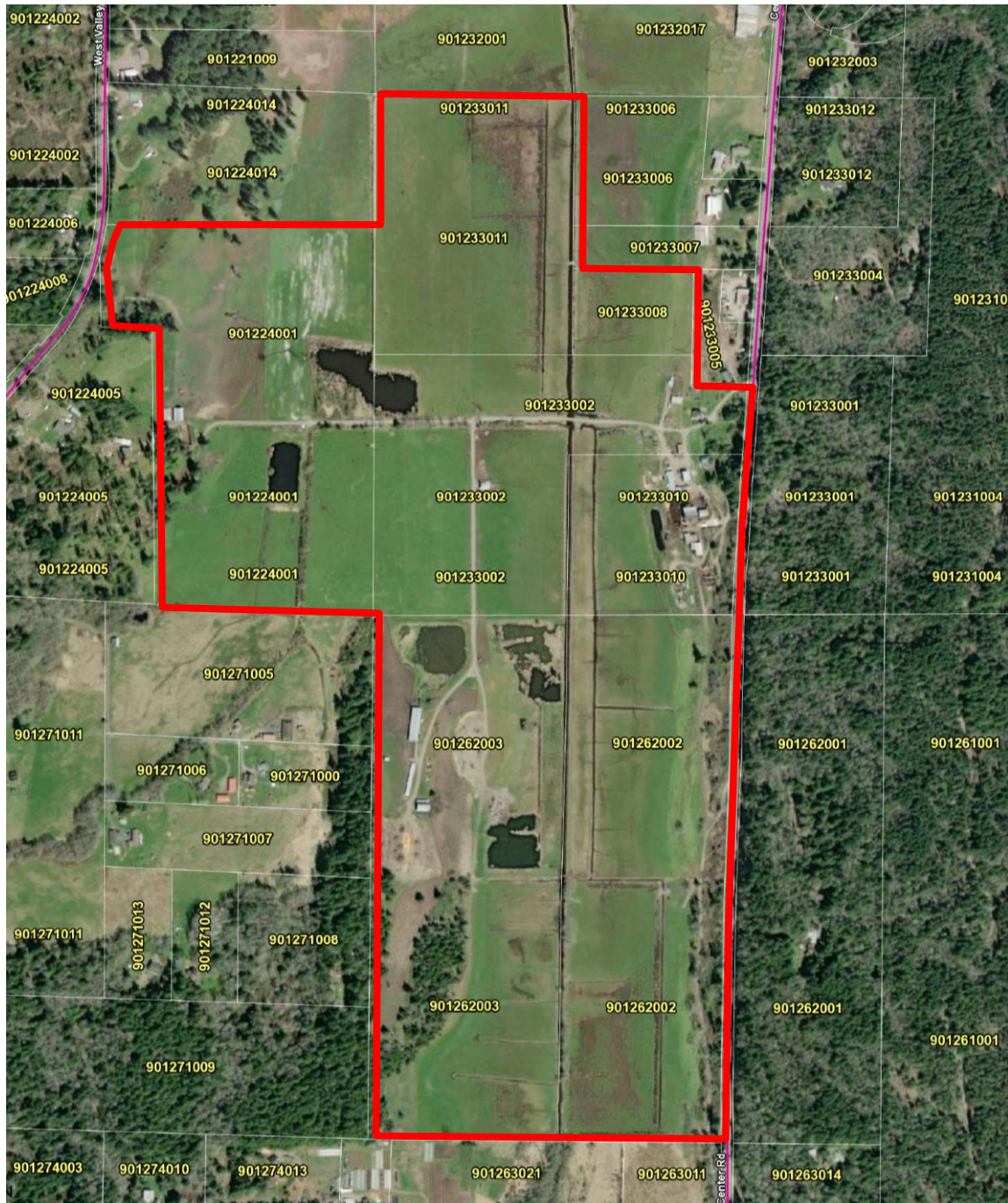
- ✚ ASTM Standard E 1527-13 defines a Recognized Environmental Condition (REC) as:  
“The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. *De minimis* conditions are not recognized environmental conditions.”
- ✚ ASTM Standard E1527-13 defines a Controlled Recognized Environmental Condition (CREC) as:  
“A recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).”
- ✚ ASTM Standard E1527-13 defines a Historical Recognized Environmental Condition (HREC) as:  
“A past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).”





## 1.2 LOCATION AND REAL ESTATE DESCRIPTION

The Subject Property is an irregular shaped, approximately 253.14-acre residential and agricultural property that includes seven Jefferson County parcel numbers. Access to the Property is provided by four private driveways off Center Road to the east. Jefferson County Assessor Parcel Numbers 901233011, 901224001, 901233002, 901233008, 901233010, 901262002 and 901262003 are located in Township 29N; Range 1W; Sections 22, 23, 26.



**Figure 2.0: Tax Parcel Map (Subject Property in Red)**





The following site characteristics and abbreviated legal description were provided by the Jefferson County Assessor's Office online property database.

Property Parcel Number(s)	Legal Descriptions	Section Township Range	Improvements	Current use	Acreage
901233011	S23 T29 R1W TAX 24 (ENGL BY TAX 25) W/EASE SUBJ/CONS EASE EX#125752	Township 29N; Range 1W; Sections 22, 23, 26	The primary structures on the Subject Property include an ~4,500 SF historic barn; an ~5,000 SF hay shed; an ~1,498 SF single family residential structure; an 4,000 SF equipment storage shed; an ~1,500 SF storage shed; an ~3,500 SF barn; an ~2,200 SF loafing/hay shed with scales; two ~2,500 SF loafing-storage sheds; an ~1,500 SF storage shed; an ~6,500 SF covered storage shed; an ~4,500 SF commodities storage shed; an ~3,400 SF milking parlor; an ~1,600 SF shop building; an ~4,000 SF open air calf shed; and two single wide manufactured homes. Additional improvements on the Subject Property include primitive access road network; a small shed that formerly held the filter system for a former swimming pool; two wells; several concrete bunker silos; several man-made ponds; small poultry houses; and an ~0.8 acre borrow area.	Yard waste receiving-composting, 200 head beef cattle operation and associated hay-silage production, logging and typical residential uses.	253.14
901224001	S22 T29 R1W E1/2 SE LS TX 17 & 35 LS R/W SUBJ/CONS EASE EX#125752				
901233002	S23 T29 R1W TAX 33-BND BY BLA #124835 SUBJ/CONS EASE EX#125752				
901233008	S23 T29 R1W TAX 31-BND BY BLA#124835 SUBJ/CONS EASE EX#125752				
901233010	S23 T29 R1W S1/2 SW(BETWEEN CO RD & CREEK) LESS N 500' LESS R/W SUBJ/CONS EASE EX#125752				
901262002	S26 T29 R1W NW1/4(LS PTNS E OF CO RD & W OF VALLEY RIDGELINE) SUBJ/CONS EASE EX#125752				
901262003	S26 T29 R1W NW1/4(W OF VALLEY RIDGELINE) SUBJ/CONS EASE EX#125752				

The parcels composing the Subject Property have been owned by the Short Family since the mid-1940s.

### 1.3 UTILITIES INFORMATION

Electricity	Jefferson County PUD
Natural Gas	Not available
Potable Water	A 60ft domestic well (1991) and a ~100ft irrigation well (circa 1950's)
Sewer	Four onsite septic systems (serving the main house, milking parlor, manufactured home in the southeastern corner of the property and the





manufactured home north-northwest of the main house)

Garbage            Olympic Disposal

#### **1.4      RELATIONSHIP OF THE PURCHASE PRICE TO FAIR MARKET VALUE**

The current fair market value appraisal information was not available at the time of this report. There are no indications that the value of the Property has been altered based on any known REC.

#### **1.5      SEARCH FOR ENVIRONMENTAL LIENS OR USE LIMITATIONS**

To assess the potential for environmental liens or activity use limitations on the Subject Property, ADESA researched information available at the Jefferson County Auditor's and Assessor's Office, the Washington State Department of Ecology's Environmental Covenant Registry and other pertinent regulatory databases listed in Appendix A of this report. During the course of this investigation, no environmental liens or use limitations were found in connection with the Subject Property.

#### **1.6      PHYSICAL SETTING OF THE SUBJECT PROPERTY AND VICINITY**

The Subject Property is situated within the Puget Sound Lowland, a series of north to south trending valleys ranging from British Columbia to Eugene, Oregon and bordered by the Cascade Range and Olympic Mountains. Surficial soils in the Puget Sound Lowland are mainly formed in glacial drift/outwash deposits from the last period of glaciation, about 10-14,000 years ago. According to the Washington State Department of Natural Resources Geologic Information Portal, the surficial geology of the upland areas on the Subject Property are defined as Pleistocene continental glacial drift consisting of till and outwash clay, silt, sand, gravel, cobbles, and boulders deposited by or originating from continental glaciers; locally includes peat, nonglacial sediments, modified land, and artificial fill. The surficial geology of the areas on the Subject Property near the elevation of the valley floor are defined as Quaternary alluvium consisting of unconsolidated or semi-consolidated alluvial clay, silt, sand, gravel, and (or) cobble deposits; locally includes peat, muck, and diatomite; locally includes beach, dune, lacustrine, estuarine, marsh, landslide, lahar, glacial, or colluvial deposits; locally includes volcaniclastic or tephra deposits; locally includes modified land and artificial fill.

The Subject Property is located in a rural agricultural area approximately 1½ miles south of the city of Chimacum, WA, known as the West Valley/Chimacum Valley. The Subject Property is situated between Center Road to the east and West Valley Road to the west. Chimacum Creek flows from south to north through the central area of the Property in a nearly straight and fairly uniform width channel, indicative of historical channel alterations. Chimacum Creek discharges to Port Townsend Bay, approximately 4 miles to the northwest.

The USDA Natural Resource Conservation Service (NRCS) Web Soil Survey identifies the dominant soil type on the Property as Swantown gravelly loam, 0 to 8 percent slopes (SuB); Alderwood gravelly sandy loam, 0 to 15 percent slopes (AIC); Everett gravelly sandy loam, 0 to 15 percent slopes (EvC); Semiahmoo muck (Se); Semiahmoo muck, moderately shallow variant (Sh); Kitsap gravelly loam, 15 to 30 percent slopes; Snohomish silty clay loam (So); Sinclair gravelly sandy loam, 0 to 15 percent slopes (SnC); and Swantown gravelly sandy loam, 0 to 8





percent slopes (StB). The full NRCS Web Soil Survey for the area of the Subject Property is included in the Appendix.

The web-based Earth Resources Permit Location Map provided by the Washington State Department of Natural Resources, Division of Geology and Earth Resources, does not identify any current or historical exploration or production wells related to oil, gas or geothermal resources on the Property. Based on ADESA's review of the US Department of Transportation National Pipeline Mapping System, no oil or gas pipelines are located within 500 feet of the Subject Property.

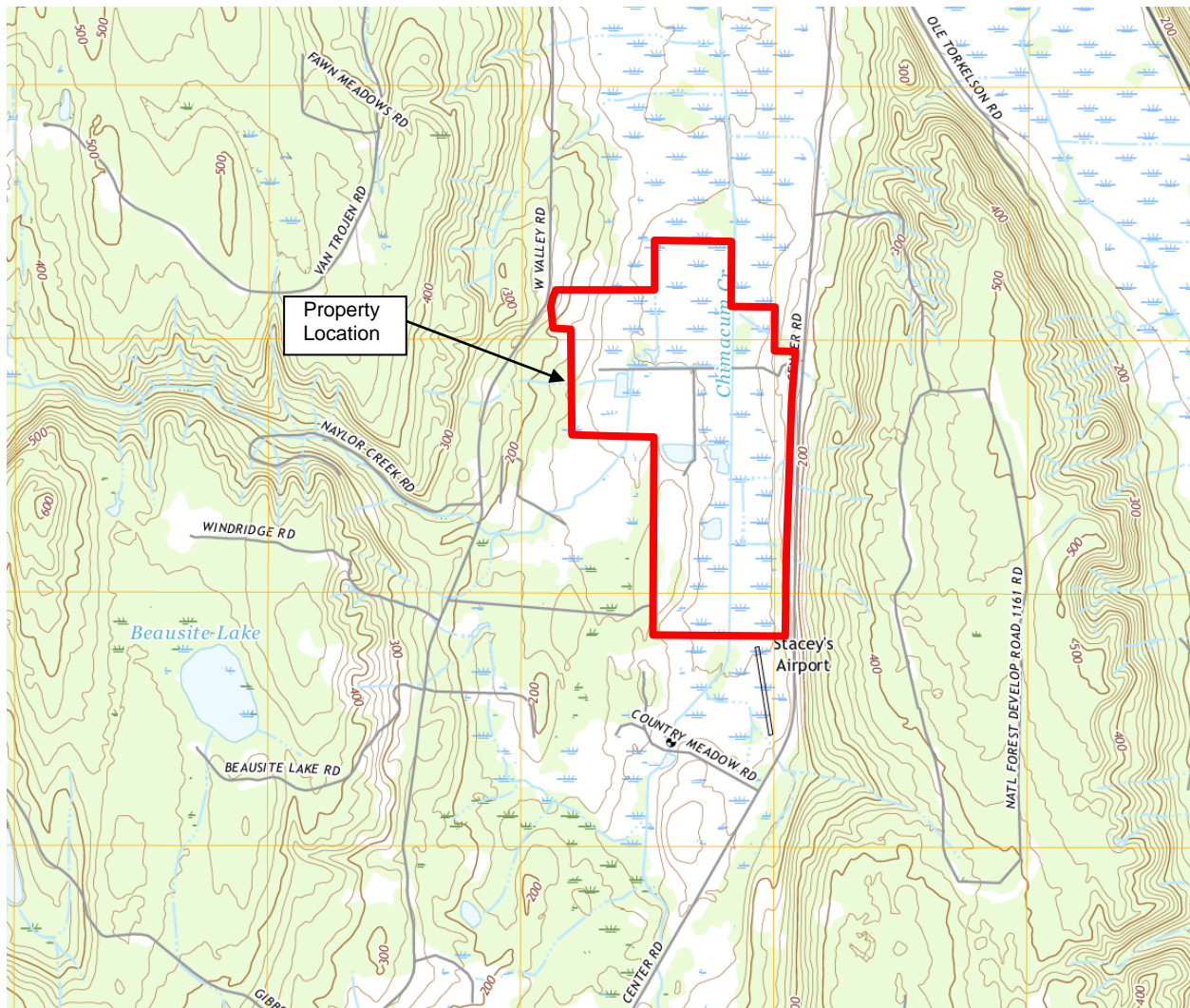
According to the 2020 USGS 7.5 Minute Topographic Map of the Center, WA Quadrangles, the elevation of the Subject Property ranges from 120-176 feet above mean sea level (AMSL). The western portion of the primary development area of the Subject Property along Center Road appears to have been historically filled to accommodate the current structures.

The USFWS National Wetland Inventory maps and wetland maps compiled by Jefferson County indicate that freshwater emergent wetlands (Palustrine, Emergent, Persistent, Seasonally Flooded and Partially Drained/Ditched – PEM1Cd) cover most of the valley floor in the area of the Subject Property, with sparse smaller areas of forested/shrub wetlands. According to FEMA map panel 53031C0460C, effective on 06/07/2019, the areas on the Subject Property relatively higher in elevation than the valley floor are located in Zone X, outside of the 100-year and 500-year flood plains, and the areas on the Subject Property near the elevation of the valley floor are located in Zone A, areas subject to inundation by the 1-percent-annual-chance flood event but for which base flood elevations (BFEs) have not been established. According to groundwater data obtained for resource protection/domestic well data logs filed with the Washington State Department of Ecology, the static water level for the shallow aquifer is likely within 5 feet below the ground surface (bgs); however, seasonal variation is likely. Two wells were identified on the Subject Property, a 60ft domestic well (1991) and a ~100ft irrigation well (circa 1950's); however, only the data log for the 60ft domestic well was identified in the Washington State Department of Ecology well log database. Based on the topography of the area and the proximity to Chimacum Creek (and associated tributaries), the presumed groundwater flow is generally to the north (northeast/northwest depending on the location relative to Chimacum Creek).

Drainage on the Subject Property is directed by the local topography via sheet flow toward low-lying areas of the property where it infiltrates directly to the subsurface or enters surface water. Historically, the channel of Chimacum Creek was straightened as it passes through much of the valley, including the area of the Subject Property. No other stormwater management features were observed on the Subject Property.

Copies of the NRCS Web Soil Survey, National Wetlands Inventory Map, Ecology Well Logs (if available) and the FEMA Firmette are included in the Appendix of this report.





**Figure 3.0: 2020 USGS Topographic Map of the Center, WA Quadrangle**

## 2.0 HISTORICAL USE INFORMATION

Historical records including aerial photographs, topographic maps, Metsker maps, Sanborn maps, city directories and property records pertaining to the previous uses and development of the Subject Property were searched for, reviewed or obtained by ADESA from various sources including:

- ✚ Washington State Library
- ✚ Washington State Department of Natural Resources (DNR)
- ✚ Washington State Department of Ecology (Ecology)
- ✚ Washington State Archives Office
- ✚ Timberland Regional Library System
- ✚ Jefferson County Offices (Assessor, Auditor, Health Department/Environmental Health)
- ✚ Washington State Department of Fish and Wildlife (WDFW)





Date	Information Obtained	Source
Circa 1880-early 1900	Construction timeframe for the original farmhouse (burned down circa 2022), a second residential structure (no longer present) and the two oldest agricultural structures currently located in the eastern developed area of the Property along Center Road.	Site visit and interview conducted with the current owner of the Property, Roger and Sandy Short
1936	The majority of the Property is owned by Arthur W. Cays and approximately 50 acres of the southern portion of the Property is owned by Jefferson County.	Metsker Map of Jefferson County reviewed at the Washington State Library.
1936	Four structures are depicted in the approximate locations of the oldest barn, storage and residential structures on the eastern side of the Property, along Center Road.	USGS 1:62500 Scale Topographic Map of the Quilcene Quadrangle reviewed online at the USGS Map Store <a href="https://store.usgs.gov">https://store.usgs.gov</a>
1942	Development on the Property appears limited to the eastern portion along Center Road. The upland area on parcel 901262003 is forested and no structures are visible.  The surrounding areas to the north and south appear to be in agriculture use with sparse structural developments including rural residential and agricultural structures. Areas to the east and west of the Property appear similar to current conditions.	Aerial photograph reviewed online at the Washington State Department of Ecology's Coastal Atlas. <a href="https://fortress.wa.gov/ecy/coastalatlas/">https://fortress.wa.gov/ecy/coastalatlas/</a>
1943	The majority of the Property is owned by Arthur W. Cays and approximately 50 acres of the southern portion of the Property is owned by Hanna Williams and another ~15 acres is owned by William Eldridge. The Metsker Maps do not depict structures.	Metsker Map of Jefferson County reviewed at the Washington State Library.
1944	Construction date for the current single family residence (main house) along Center Road.	Jefferson County Assessor's Records
1945	Date that the Short Family purchased the majority of the Property.	Personal interview with Roger and Sandy Short
1951	A cluster of residential and agricultural structures are visible on the Subject Property along Center Road in the vicinity of the current cluster of structures. The majority of the valley appears to be in pasture/hay production use. Chimacum creek has been straightened; however, the original channel appears to be visible. No significant changes are visible on the	Aerial Photograph provided by EnviroSite





Date	Information Obtained	Source
	surrounding properties.	
1952	The majority of the Property is owned by W.H. & N.W. Short and approximately 50 acres of the southern portion of the Property is owned by Earl Gould, ~15 acres is owned by Hanna Williams and another ~15 acres is owned by William Eldridge.	Metsker Map of Jefferson County reviewed at the Washington State Library.
1953	Three structures are depicted on the Property in the approximate location of the two older residential structures and the old barn on the eastern edge of the Property along Center Road.	USGS 1:24000 Scale Topographic Map of the Center Quadrangle
1956	Additional structures appear to have been developed on the eastern developed area of the Subject Property along Center Road. No significant changes are visible.	Aerial Photograph provided by EnviroSite
1950 1960	Period of expansion on the Property. Many of the current ancillary agricultural structures were constructed in this timeframe.	Site visit and interview conducted with the current owner of the Property, Roger and Sandy Short
1968 1972	Additional agricultural structures are visible on the Subject Property. The upland area on parcel 901262003 is forested and appears undeveloped. No significant changes are visible on the surrounding properties.	Aerial Photograph provided by EnviroSite
1974	The third permanent residential structure was built on the Property just off Center Road on the north side of the main entrance to the Short Family Farm.	Jefferson County Assessor's Records
1978	The ownership of the Property is split between Norris Short and G.D. Short. The Metsker Maps do not depict structures.	Metsker Map of Jefferson County reviewed at the Washington State Library.
1979	Additional agricultural structures are visible on the Subject Property. The upland area on parcel 901262003 appears to have been partially logged.  The current truck service shop currently located along Center Road appears to have been developed. The large, forested area currently located east of the Property appears to have been recently logged. No other significant changes are visible on the surrounding properties.	Aerial Photograph provided by EnviroSite
1980	The former 3-million gallon manure lagoon in the central area of the Subject Property appears to have been developed. No other significant changes are visible on the Subject	Aerial Photograph provided by EnviroSite





Date	Information Obtained	Source
	Property or surrounding properties.	
Circa-1985	The current milking parlor was constructed, and dairy operations commenced.	Interview with the current owner
1990	Additional agricultural structures are visible on the Subject Property. Two of the man-made ponds and both former manure lagoons are visible. No other significant changes are visible on the Subject Property or surrounding properties.	Aerial Photograph provided by EnviroSite
1994	The Property and surrounding areas appear similar to current conditions.	Aerial photograph reviewed online at <a href="http://www.co.jefferson.wa.us/idms/mapserver.shtml">http://www.co.jefferson.wa.us/idms/mapserver.shtml</a>
1996	The ownership of the Property is split between Roger and Sandy Short and Valley View N&L Family Trust. The Metsker Maps do not depict structures.	Metsker Map of Jefferson County reviewed at the Washington State Library.
1997	Eleven structures are depicted on the Property in the approximate locations of the developments currently present.	USGS 1:24000 Scale Topographic Map of the Center Quadrangle
2000	The Property and surrounding areas appear similar to current conditions.	Aerial photograph provided by Jefferson County
2005	Year the use of the two manure lagoons was discontinued and the operation of the dairy ceased.	Interview with the current owners
2005 2006 2009 2011	The Property and surrounding areas appear similar to current conditions.	Aerial photograph provided by Jefferson County
2013 2015 2017 2019	The Property and surrounding areas appear similar to current conditions.	Aerial photograph provided by EnviroSite
2022	The original farmhouse burns down.	Site visit and interview conducted with the current owner of the Property, Roger and Sandy Short

According to ADESA's review of the available historical record, the Subject Property was first developed with a wood framed single family residence and several ancillary agricultural structures in the 1880s. The Subject Property has been used for livestock related agricultural (beef cattle), hay/silage production and rural residential purposes. Prior to the first development, the Property was likely undeveloped forest and floodplain. Additionally, the Subject Property functioned as a small family dairy from the mid-1980's and until the mid-2000s and included the operation of the two former manure lagoons.

The primary structures on the Subject Property include an ~4,500 SF historic barn (circa 1880s); an ~5,000 SF hay shed known as the "mound shed" (circa 1880s); an ~1,498 SF single family residential structure (main house along Center Road, circa 1944); an 4,000 SF equipment storage shed (circa 1950's); an ~1,500 SF storage shed known as the "lumber shed" (circa





1960s); an ~3,500 SF barn structure known as the “south shed” (circa 1960’s); an ~2,200 SF loafing/hay shed with scales known as the “center valley shed” (circa 1960’s); two ~2,500 SF loafing/storage sheds known as the “western hay sheds” (circa 1960s); an ~1,500 SF storage shed (circa 1970s); an ~6,500 SF covered storage shed (circa 1980s); an ~4,500 SF commodities storage shed (soil and compost mixtures) (circa 1982); an ~3,400 SF milking parlor (circa 1985); an ~1,600 SF shop building (circa 1989/90); an ~4,000 SF open air calf shed (circa 1990); and two single wide manufactured homes. Construction dates are estimates based on sparse County property records, the review of historical maps/aerial photographs and interviews with the current owner. Additional improvements on the Subject Property include primitive access road network; a small shed that formerly held the filter system for a former swimming pool; a 60ft domestic well (1991); an ~100ft irrigation well (circa 1950’s); several concrete bunker silos; several man-made ponds (open to the public in conjunction with Washington State Department of Fish and Wildlife Waterfowl Quality Hunt Program; the ponds on Tax Parcel 901262003 are former peat harvest locations); small poultry houses; and an ~0.8 acre borrow area. Historical structures and improvements that are no longer in use or have been removed include: two single family residential structures constructed in the late 1800s/early 1900s (the remaining structure burned down circa 2022); an ~2 acre compost area (yard waste receiving area/no longer in use); a ~0.32 acre area used for equipment storage; an ~300,000 gallon manure lagoon (dry; use reportedly discontinued circa 2005); an ~3 million gallon manure lagoon (dry; use reportedly discontinued circa 2005); an 1,000 gallon and a 3,000 gallon waste oil above ground storage tanks (ASTs); two 1,000 gallon diesel/gas ASTs; and two 10,000 gallon irrigation water ASTs (no longer present).

Historical operations on the Subject Property have included livestock operations (small dairy, beef cattle, poultry), commercial composting facility, soil/compost sales (Short's Magical Soil), hay production, peat harvest, borrow pit and hunting. Current operations on the Subject Property consist of yard waste receiving, composting, 200 head beef cattle operation (including small retail sales area in former milking parlor) and associated hay/silage production, logging and typical residential uses.

The general vicinity of the Subject Property appears to have historically been used for rural residential, agricultural and forest resource purposes. No REC were identified in association with the historical use of the Subject Property or the adjoining properties. The area of the Subject Property is not covered by Sanborn Maps or historical city directories.

## 2.1 PRIOR REPORTS

ADESA. “Phase I Environmental Site Assessment performed on Jefferson County Tax Parcels #901262002, 901262003, 901233010, 901233011, 901224001, 901233002, 901233005 and 901233008”. Project Number 0214-03. February 19, 2014.

At the time of this assessment, the Subject Property was similar to current conditions. In addition to the standard ASTM scope of work for the Phase I ESA, ADESA also collected samples for laboratory analysis in select areas of concern to determine if they represented recognized environmental conditions.

During the initial site inspection performed by ADESA on December 18, 2013, oil/petroleum staining was observed beneath the western end of the 1,000 gallon and 3,000-gallon waste oil above ground storage tanks (ASTs) in the northeastern portion of the Property. The tanks are situated to the southwest of the storage shed rented to a landscaping company near the former location of a swimming pool. The two tanks held waste oil that was used to fire a waste oil





burning water heater associated with the former swimming pool. Also, during the inspection of the Property, Mr. Short identified the location of a former 1,000-gallon gasoline underground storage tank that he had removed from the Property approximately 20 years earlier; no samples were collected at the time of the removal.

To assess the significance of the oil-stained soil below the waste oil ASTs and the lack of sampling in the former gasoline UST location, on January 20, 2014, Roger Short removed the area of surface staining beneath the waste oil tanks and ADESA collected soil samples from 1-2 feet below the ground surface (B1 & B2). The samples were submitted to Libby Environmental Laboratory of Olympia, WA for analysis. The soil samples were non-detect for diesel/oil range petroleum hydrocarbons, benzene, toluene, ethyl benzene and xylenes. The results confirm that the surface staining was of minor significance and represented a *de minimis* condition, rather than a recognized environmental condition. Also on January 20, a test pit investigation was performed in the location of the previously removed gasoline UST (~1,000-gallons). Two soil samples (B3 & B4) were collected from 6-7 feet below the ground surface, beneath the former location of the bottom of the UST (appeared to be native soil) and submitted for laboratory analysis. Both of the samples were non-detect for gasoline range petroleum hydrocarbons and BTEX, and no indications of petroleum impacts were observed within the test pit. Based on the results of the soil analysis, the former gasoline UST was determined to not represent a recognized environmental condition.

The report identified one recognized environmental condition, the formerly adjoining property to the east.



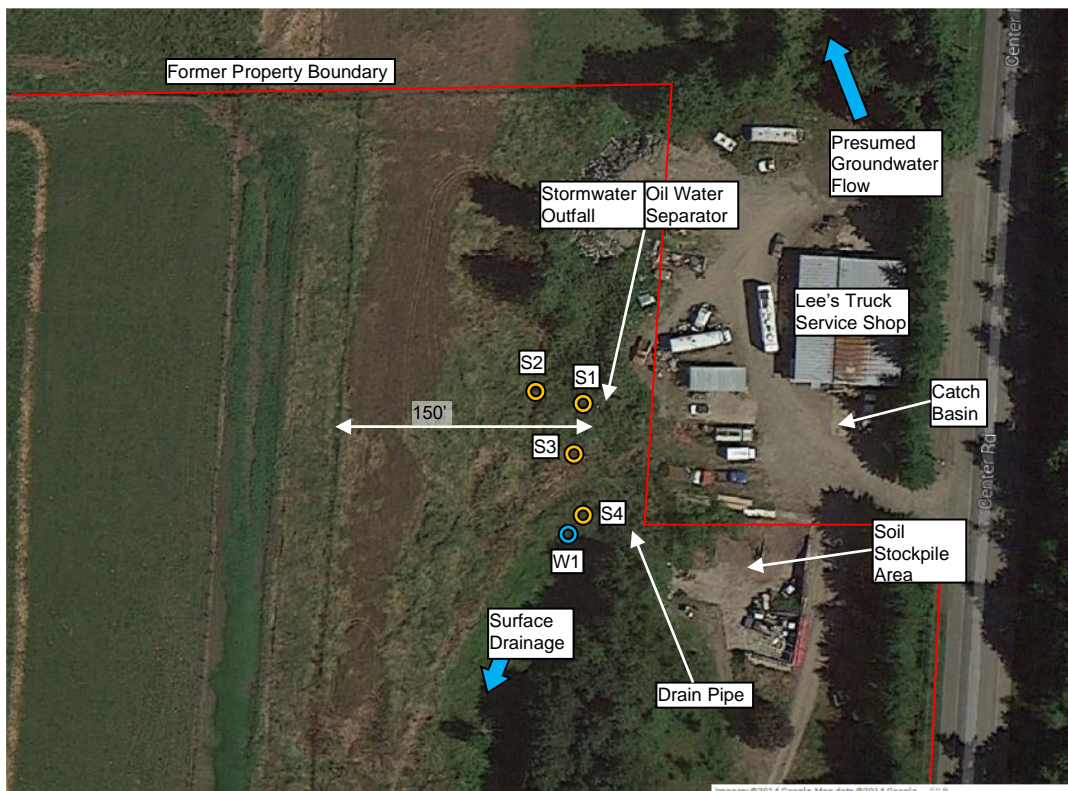
**January 2014 Soil Investigation Detail Map**





ADESA. "Resolution of Recognized Environmental Conditions Identified in the ADESA Phase I Assessment of the Short Family Farm/Valley View Family Trust: 1594 Center Road Chimacum, WA 98325". Letter Report. March 22, 2014.

On March 13, 2014, ADESA collected four soil samples from areas below the stormwater outfall and down gradient from the former soil stockpile area, each at a depth of 12 inches, and one surface water sample down gradient from the former soil stockpile area.



**March 2014 Soil Investigation Detail Map**

The samples were submitted to Libby Environmental Laboratory of Olympia, WA for analysis. All four soil samples (S1, S2, S3 and S4) and the surface water sample (W1) were non-detect for benzene, ethylbenzene, toluene, xylenes, and petroleum products including gasoline, diesel and oil (by methods NWTPH Gx, NWTPH Dx Ext., and 8021B BTEX). Samples S1 (taken just below the stormwater outfall), S2 (taken 50' feet to the west of the stormwater outfall) and S4 (collected to the west of the soil stockpile area, 15 feet west of the drainpipe) were found to contain detectable levels of lead and chromium below the current Washington State Department of Ecology, Model Toxics Control Act (MTCA), Method A Cleanup Levels for Unrestricted Land Use. S3 was non-detect for metals (EPA 7010 and EPA 7471).

ADESA also made observations of the oil water separator that was installed after the 2009 Jefferson County Assessment of the Lee's Truck Service Site. The system is connected to a storm drain located south of the Lee's Truck Service Shop. No water was being discharged at the time of the site visit, and the system, although uncovered and "homemade", appeared to be capable of functioning.





In addition to the soil and surface water sampling detailed above, Jefferson Land Trust required Roger Short performed a boundary line adjustment that moved the border between Tax Parcels 901233008 and 901233005 approximately 300 feet to the east and excluded Tax Parcel 901233005 from the final conservation easement. Tax Parcel 901233005 is currently owned by a Roger Short and separates the Subject Property of the current assessment from the former Lee Truck cleanup site.

Based on the sampling above and the subsequent boundary line adjustment, it was determined that the Lee's Truck Service cleanup site had not significantly impacted the Subject Property. The regulatory history of the Lee's Truck Service facility is further discussed in Section 4.0 under the "State Priority List" heading.

### 3.0 INTERVIEWS

ADESA contacted local government agencies to identify any current or historical information or reports of hazardous materials usage, storage, and/or releases that may have impacted the Subject Property. ADESA made reasonable efforts to contact previous property owners and conducted interviews modeled after the ASTM derived ADESA Phase I ESA User questionnaire (See Appendix C). Previous property owners were not contacted due to the lack of usable contact information, and/or the likelihood that any information provided would be duplicative.

Interviewee	Information Obtained	Date/Style
Terri Ysseldyke-All, District Secretary- Finance Manager, East Jefferson Fire Rescue	In response to ADESA's records request, the representative searched the records of the East Jefferson Fire & Rescue inspection and response databases for information related to the current/historical use of petroleum products and hazardous materials, and open fire code violations on the Subject Property. No such records were discovered.	11/7/2022 Records Request
Ken Hugoniot, Jefferson County Public Records Administrator, Jefferson County	The County representative conducted a multi-departmental (Community Development, Environmental Health and Fire Marshal's Office) search of the County permitting, inspection, public health and complaint databases for information related to the current/historical use	12/6/2022 Records Request





Interviewee	Information Obtained	Date/Style
	of petroleum products and hazardous materials on the Subject Property. No such records were identified. County staff confirmed that there are no outstanding building code violations, and provided some documentation regarding some of the onsite septic systems and miscellaneous land use records, which are provided in the Appendix.	
Roger and Sandy Short, Key Property Managers	According to the Key Property Managers, no current/historical environmental issues, environmental liens or activity use limitations are associated with the Subject Property to the best of their knowledge. Sandy Short also provided ADESA with a tour of property.	November 17, 2022 Interview

#### 4.0 REGULATORY AND ENVIRONMENTAL DATABASE REVIEW

As part of this assessment, ADESA performed a review of pertinent Local, State and Federal databases in search of potential documented Recognized Environmental Conditions (REC) in association with the Subject Property and/or properties within a 1-mile search radius. The regulatory database search information is presented in Appendix A of this report and is consistent with that specified by ASTM Standard E 1527-13 for government records review. Further, governmental databases not identified below indicate that no sites fitting those criteria exist within the ASTM specified search radius or were otherwise determined to be of no significance to this investigation. For a full listing of the governmental databases reviewed, see Appendix A.

The Subject Property is identified on the ALL SITES - WA, FRS, SWF/LF – WA and SWTIRE 3 - WA regulatory databases reviewed for this report. The database listings are related to the current operation of the Subject Property as an active composting facility and the historical operation as a commercial dairy. In conjunction with the existing Composting Facility Permit, annual compliance sampling and analysis of onsite compost material conducted between 2007 and 2021 has not identified elevated concentrations of metals or other contaminants of concern in excess of Washington State Department of Ecology Cleanup Levels. No current violations or regulatory conditions suggestive of a release of hazardous substances were identified. Based on the current regulatory status of the Subject Property, these database listings are not considered recognized environmental conditions for the Subject Property. The annual Composting Facility Reports dating back to 2007 are provided in the Appendix. Prior environmental sampling on the Subject Property, unrelated to these database listings, is discussed in Section 2.1 under the heading “Prior Reports”.

None of the surrounding sites within the ASTM search radii are considered recognized environmental conditions in association with the Subject Property due to regulatory status, distance from the Subject Property and/or groundwater gradient considerations. Two unmapped or “orphan” sites were identified within the ASTM search radius; the sites are included in the discussion below, as appropriate.





***Federal NPL/SEMS (NPL, PART NPL, PROPOSED NPL, SEMS FINAL NPL, SEMS PROPOSED NPL)***

The National Priorities List (NPL) is the Environmental Protection Agency (EPA) database of uncontrolled or abandoned hazardous waste sites identified for priority remedial actions under the Superfund Program.

No NPL/SEMS sites within a one mile radius of the Subject Property.

***Federal CERCLIS List (CERCLIS-HIST, FEDERAL FACILITY, SEMS 8R ACTIVE SITES, SEMS 8R ARCHIVED SITES)***

The Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) list is a compilation of sites that the EPA has investigated or is currently investigating for a release or threatened release of hazardous substances.

No CERCLIS database sites were identified within one half-mile of the property.

***Federal CERCLIS NFRAP Sites List***

The CERCLIS No Further Remedial Action Planned (NFRAP) List is a compilation of sites that the EPA has investigated and has determined that the facility does not pose a threat to human health or the environment, under the CERCLA framework.

No CERCLIS NFRAP sites were listed within one-half mile of the Property.

***Federal Resource Conservation and Recovery Act (RCRA) CORRACTS TSD Facilities List***

The EPA Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Treatment, Storage and Disposal (TSD) database is a compilation by the EPA of reporting facilities that treat, store or dispose of hazardous waste. The CORRACTS database is the EPA's list of treatment storage or disposal facilities subject to corrective action under RCRA.

No RCRA CORRACTS TSD facilities are listed within one mile of the Property.

***Federal Resource Conservation and Recovery Act (RCRA) Non-CORRACTS TSD Facilities List***

The RCRA TSD database is a compilation by the EPA of reporting facilities that treat, store or dispose of hazardous waste.

No RCRA TSD sites are listed within one-half mile of the Property.

***Federal RCRA Generator List***

The RCRA program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Generators database is a compilation by the EPA of reporting facilities that generate hazardous waste.

No RCRA generator facilities are listed on the Property or adjoining sites.





### **Federal Emergency Response Notification System (ERNS)**

The Emergency Response Notification System (ERNS) is a national database used to collect information or reported release of oil or hazardous substances.

The Property was not identified on the ERNS database.

### **US Engineering Controls/US Institutional Controls**

Listings of sites with imposed engineering or institutional controls.

No US Engineering Controls/Institutional Controls database sites were identified within one-half mile of the Subject Property.

### **Federal Toxics Release Inventory**

The Toxics Release Inventory (TRI) is a publicly available EPA database that contains information on toxic chemical releases and other waste management activities reported annually by certain covered industry groups as well as federal facilities. TRI reporters for all reporting years are provided in the file.

The Subject Property is not a TRIS site.

### **State Priority List**

The Washington State Department of Ecology maintains a State Priority List (SPL) or Hazardous Sites List (HSL) of sites that have been ranked by Ecology using the Washington Ranking Method (WARM). The HSL database is the state NPL equivalent in Washington.

One HSL site was identified within one mile of the Subject Property. The facility is discussed below:

- ✚ Lee's Truck Repair, 1520 Center Road, is located approximately 140 feet east of the northeastern border of the Subject Property along Center Road and up/cross-gradient. As a result of the operation of this rural truck repair facility dating back to circa 1979, the soil on this site has been contaminated with diesel and oil range petroleum hydrocarbons. Based on work conducted by the Jefferson County Public Health (JCPH) in 2009 and 2012, including a 2012 Site Hazard Assessment performed on behalf of the Washington State Department of Ecology, it appears that soil and possibly groundwater has been contaminated with diesel/oil range petroleum hydrocarbons and low levels of metals as a result of the commercial truck service located on this site. The Site Hazard Assessment indicates that surface water and waste oil residue from the flat pad adjacent to Center Road and two above ground waste oil tanks is drained through a storm drain system that discharges onto a blackberry covered embankment on the western site of the site directly onto the slope.

In 2009, soil samples collected by JCPH from the area below the outfall were analyzed and contained 37,000 mg/kg motor oil and 8,500 mg/kg diesel. Following the initial investigation performed by JCPH, Mr. Lee Short excavated contaminated soil from the area below the stormwater outfall drain pipe and stockpiled the soil on a concrete pad located on the Property, just south of the Lee's Truck Service site along Center Road, on parcel 901233005. Mr. Short also installed a new stormwater outfall pipe. No





confirmation soil samples were taken/reported following the removal of the contaminated soil from below the stormwater outfall.

During the 2012 Site Hazard Assessment, JCPH collected soil samples from below the new stormwater outfall and the contaminated soil stockpile. The samples collected from below the new outfall contained levels of diesel, motor oil, toluene, xylene, cadmium, chromium and lead below the Model Toxics Control Act (MTCA) Method A Cleanup Levels for Unrestricted Land Use. The samples collected from the contaminated soil stockpile were analyzed for metals only and contained levels of cadmium, chromium, lead and mercury below the Model Toxics Control Act (MTCA) Method A Cleanup Levels for Unrestricted Land Use.

On March 13, 2014, ADESA collected four soil samples from areas below the stormwater outfall and down gradient from the former soil stockpile area, each at a depth of 12 inches, and one surface water sample down gradient from the former soil stockpile area. The details are further discussed in Section 2.1 under the heading "Prior Reports", where it was determined that the Lee's Truck Service cleanup site had not significantly impacted the Subject Property.

Based on ADESA's 2014 surface sampling and the subsequent boundary line adjustment (discussed in Section 2.1), and distance considerations, this facility is not considered a recognized environmental condition for the Subject Property.

### **State CERCLIS-Equivalent List**

The Washington State Department of Ecology maintains a State CERCLIS-equivalent list (SCL) or Confirmed or Suspected Contaminated Sites List (CSCSL), of sites under investigation that could be actually or potentially contaminated and presenting a possible threat to human health and the environment. The CSCSL database is the state CERCLIS equivalent in Washington.

One CSCSL-WA site was identified within one mile of the Property. The facility is discussed in the State Priority Sites discussion above.

### **State Institutional Control/Engineering Control Registries**

The Washington State Department of Ecology maintains a database of sites/facilities that have institutional and/or engineering controls in place to reduce the potential of exposure to identified contaminants in the subsurface.

No Institutional or Engineering Control sites were identified within one-half mile of the Property.

### **State Brownfields List**

The Washington State Department of Ecology maintains a database of Brownfield Sites. Brownfields sites are abandoned or underused properties where potential liability due to environmental contamination and cleanup costs complicate redevelopment efforts.

No State Brownfields sites were identified within one-half mile of the Property.

### **Solid Waste Facilities/Landfill Facilities (SWF/LF)**

A database of SWF/LF is prepared by the Washington State Department of Ecology.





No SWF/LF facilities were listed within one-half mile of the Property.

#### ***State/Federal/Indian Leaking Underground Storage Tank List (LUST)***

The Washington State Department of Ecology and the US EPA compile lists of all reported leaks of hazardous substances from underground storage tanks.

No active LUST sites were identified within one-half mile of the Property.

#### ***State Voluntary Cleanup Sites (VCP)***

The Washington State Department of Ecology maintains a database of contaminated sites/facilities that have entered the voluntary cleanup program to obtain Ecology's input regarding proposed cleanup actions or for Ecology's opinion regarding the efficacy of cleanup actions taken.

No active VCP sites were identified within one-half mile of the Property. One inactive VCP site was identified within one-half mile of the Property. The facility is discussed in the State Priority Sites discussion above.

#### ***State Independent Cleanup Report (ICR) Sites***

The Washington State Department of Ecology maintains a database of contaminated sites/facilities that have submitted independent cleanup action reports.

No ICR sites were identified within one-half mile of the Property.

#### ***State/Federal/Indian Underground Storage Tank List (UST)***

The Washington State Department of Ecology and the US EPA compile lists of UST locations.

No registered UST facilities are listed on the Property or adjoining properties.

#### ***Other Environmental Databases***

The remaining databases reviewed for this report either do not have listings within the ASTM search radius, relate to facilities previously discussed above or do not provide information suggestive of environmental threats or concerns. Based on their regulatory status, and/or distance and groundwater gradient considerations, these listings are not considered recognized environmental conditions in association with the Property.

## **5.0 SITE INSPECTION DETAILS**

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On November 17, 2022, Mr. William W. Rutherford (ADESA) inspected the Subject Property to search for indications of current/historic recognized environmental conditions (REC). ADESA was provided a tour of the Subject Property by Sandy Short, Subject Property owner representative and key property managers of Short Family Farm. Roger and Sandy Short also provided information regarding the current and historical operation of the Subject Property during an onsite interview.

The approximately 253.14-acre Subject Property is developed as a residential and agricultural property composed of seven Jefferson County Tax Parcels. The primary structures on the





Subject Property include an ~4,500 SF historic barn (circa 1880s); an ~5,000 SF hay shed known as the “mound shed” (circa 1880s); an ~1,498 SF single family residential structure (main house along Center Road, circa 1944); an 4,000 SF equipment storage shed (circa 1950’s); an ~1,500 SF storage shed known as the “lumber shed” (circa 1960s); an ~3,500 SF barn structure known as the “south shed” (circa 1960’s); an ~2,200 SF loafing/hay shed with scales known as the “center valley shed” (circa 1960’s); two ~2,500 SF loafing/storage sheds known as the “western hay sheds” (circa 1960s); an ~1,500 SF storage shed (circa 1970s); an ~6,500 SF covered storage shed (circa 1980s); an ~4,500 SF commodities storage shed (soil and compost mixtures) (circa 1982); an ~3,400 SF milking parlor (circa 1985); an ~1,600 SF shop building (circa 1989/90); an ~4,000 SF open air calf shed (circa 1990); and two single wide manufactured homes. Construction dates are estimates based on sparse County property records, the review of historical maps/aerial photographs and interviews with the current owner. Additional improvements on the Subject Property include primitive access road network; a small shed that formerly held the filter system for a former swimming pool; a 60ft domestic well (1991); a ~100ft irrigation well (circa 1950’s); several concrete bunker silos; several man-made ponds (open to the public in conjunction with Washington State Department of Fish and Wildlife Waterfowl Quality Hunt Program; the ponds on Tax Parcel 901262003 are former peat harvest locations); small poultry houses; and an ~0.8 acre borrow area. Current operations on the Subject Property consist of yard waste receiving, composting, 200 head beef cattle operation (including small retail sales area in former milking parlor) and associated hay/silage production, logging and typical residential uses. Access to the Property is provided by four private driveways off Center Road to the east.

Drainage on the Subject Property is directed by the local topography via sheet flow toward low-lying areas of the property where it infiltrates directly to the subsurface or enters surface water. Historically, the channel of Chimacum Creek was straightened as it passes through much of the valley, including the area of the Subject Property. No other stormwater management features were observed on the Subject Property.

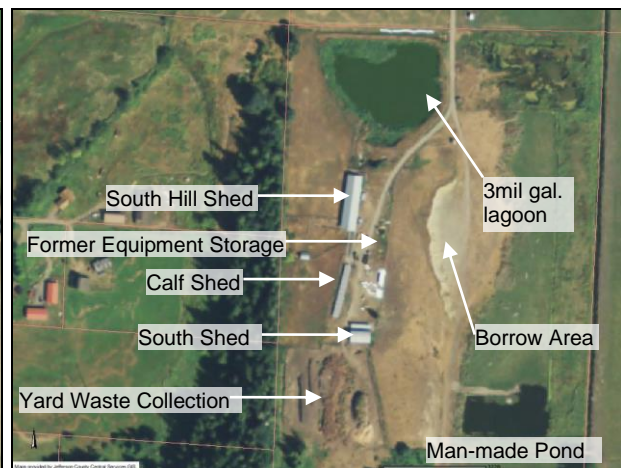
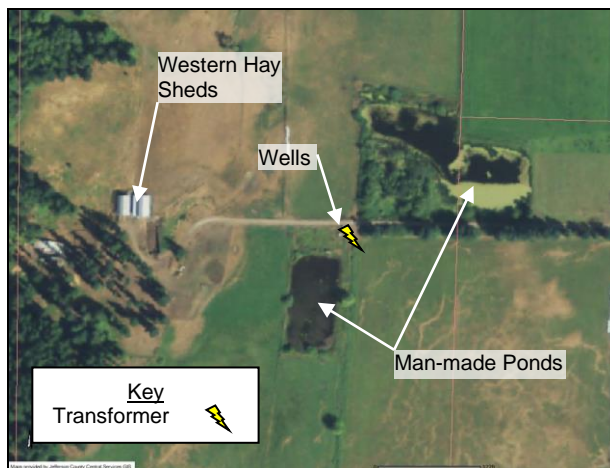
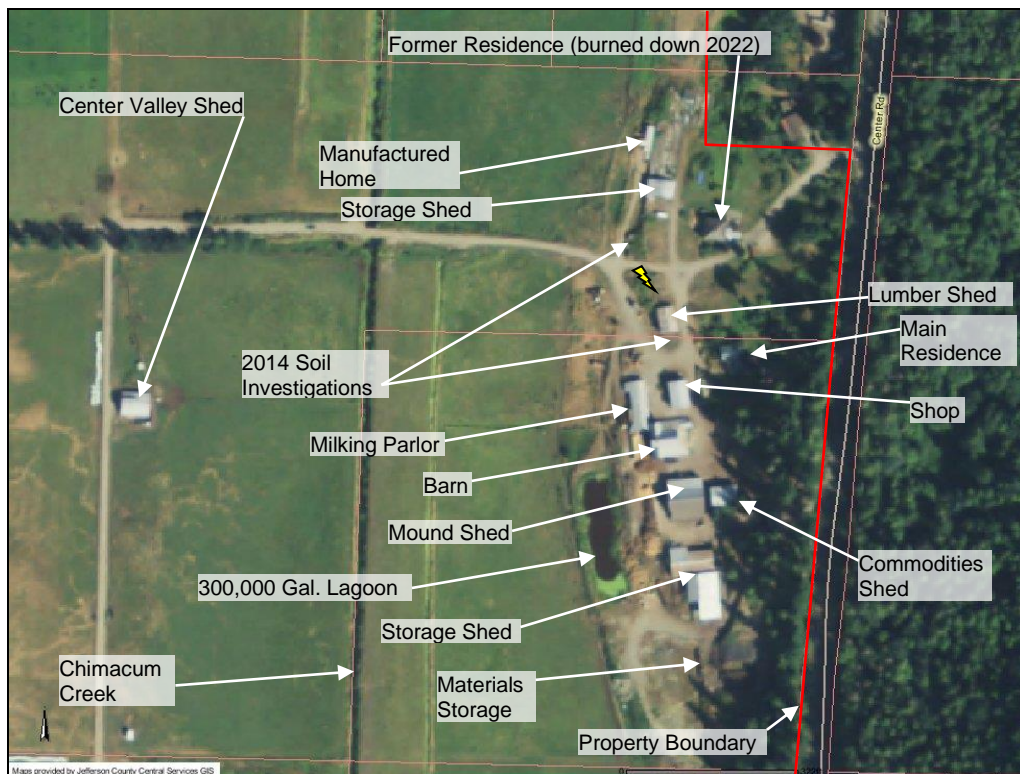
During the site reconnaissance, on the west facing exterior wall of the shop, ADESA observed one 55-gallon drum of waste oil sitting on a pallet, without secondary containment and in a location exposed to precipitation. Within the shop, ADESA observed several plastic containers of what appeared to be waste oil, and small containers of petroleum products, paint and other building maintenance chemicals typical of rural residential/agricultural operation. The potentially hazardous materials appeared to be properly stored. The concrete floor of the shop exhibited what appeared to be de minimis petroleum surface staining; however, no pools of liquid or floor drains were observed. Within the open sided shed known as the “Lumber Shed”, ADESA observed two ~200 gallon and one ~300-gallon above-ground storage tanks (AST) containing motor oil/hydraulic transmission oil; ten 5-gallon buckets of hydraulic oil; and six 2 to 3-gallon plastic containers of fuel (diesel and gasoline). What appeared to be de minimis surface staining was observed on the concrete floor and soil immediately beneath and to the east of the AST. ADESA observed two large piles of gypsum wallboard fragments in a concrete silo in the southeast corner of Tax Parcel 901233010 and in the former yard waste collection area located in the west-central portion of Tax Parcel 901262003. According to interviews conducted with the current Subject Property owners and Mike Murray, Yard Manager of GTS Interior Supply, the GTS facility in Poulsbo receives shipments of drywall from the CertainTeed drywall manufacturing facility in Seattle. The drywall shipments are packed on top of drywall scraps from the manufacturing facility to prevent damage during transport (used as dunnage). This dunnage material is what GTS Interior Supply provided to the farm. These drywall scraps are new material from the factory that has never been painted or used/installed (not reclaimed or





recycled, and unlikely to contain significant quantities of the contaminants of concern). The gypsum wallboard dunnage is used by the Short Family Farm as a soil additive. Heavy equipment, including loaders, dump trucks, tractors, etc. were observed in the developed areas of the Subject Property. No areas of significant spills, dumping or indications of the current or historical use of commercial quantities of hazardous materials or petroleum products were observed, except for those discussed above. No REC were identified during the physical site inspection of the Property.

See the site detail map, the table below and Appendix C (site inspection photographs) for additional site information.



**Figure 4.0: Property Detail Map**





Condition or Feature	Present	REC	Reference Sources
Petroleum Underground Storage Tank (UST)	No. The Subject Property historically operated a 1,000-gallon gasoline UST which was removed by the current owner of the Subject Property approximately 30 years ago. Details of prior sampling in the area of the UST are provided in Section 2.1.	N	Site Visit, Personal Interviews, County Development Records, WA State Department of Ecology.
Petroleum Aboveground Storage Tank (AST)	Yes. Within the open sided shed known as the "Lumber Shed", ADESA observed two ~200 gallon and one ~300-gallon above-ground storage tanks (AST) containing motor oil and hydraulic transmission oil. See Section 2.1 for discussion of former ASTs.	N	Site Visit, Personal Interviews, County Development Records, WA State Department of Ecology.
Vapor Encroachment Condition (VEC)	No	N	Site Visit, and the regulatory records review conducted for this assessment
Asbestos Containing Building Materials (ACM)	Possible	N	Site Visit
Lead Based Paint (LBP)	Possible in structures built before 1979.	N	Site Visit, Jefferson County Assessor
Drainage points	Yes. Chimacum Creeks, its tributaries or low-lying areas.	N	Site Visit and County Property Records
Dumping	No	N	Site Visit
Hazardous Material Storage	Yes, see discussion above.	N	Site Visit
Odors	No	N	Site Visit
Pools of liquids	No	N	Site Visit
Operation or management of equipment potentially containing PCBs (Transformers, elevators, hoists,	Yes, one pad mounted, and one pole mounted transformer were observed during the site inspection conducted on the Subject Property as indicated in the figure	N	Site Visit





Condition or Feature	Present	REC	Reference Sources
etc.)	above. The units are owned and maintained by the local utility provider. No indications of spills or leaks were observed around the base of the units.		
Radon	Unknown, the property is located in Zone 3: Counties with predicted average indoor radon screening levels less than 2 pCi/L.	N	US EPA Map of Radon Zones
Emerging Contaminates	No. Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS) are a group of toxic chemicals that help create a water- and stain-proof barrier that are used in a variety of manufacturing and industrial facilities. They repel moisture, which is why many manufacturers use them in their consumer products. Once released to the environment, PFAS can enter surface water and groundwater where they never fully disappear without treatment. Public and private water systems are most often contaminated when PFAS-containing firefighting foam seeps into groundwater. The areas with the highest concentrations of PFAS in water are all near military bases that used this foam for firefighting. No military bases, industrial/manufacturing facilities or areas known	N	Washington State Department of Ecology Online Reference





Condition or Feature	Present	REC	Reference Sources
	to be impacted by PFAS are present on or upgradient from the Subject Property.		
Surface stains	Yes, see discussion above	N	Site Visit
Stressed vegetation	No	N	Site Visit
Areas that are apparently filled or graded by non-natural causes	Yes. The western portion of the primary development area of the Subject Property along Center Road appears to have been historically filled to accommodate the current structures.	N	Site Visit
Wells	Yes. Two wells were identified on the Subject Property, a 60ft domestic well (1991) and a ~100ft irrigation well (circa 1950's).	N	Site Visit, Ecology Well Log Database, County Records
Septic, sewage, and/or waste water	Yes. The Subject Property includes four onsite septic systems: one serving the main house; one serving the former milking parlor; one serving the manufactured home in the southeastern corner of the property; and one serving the manufactured home located north-northwest of the main house.	N	Site Visit, County Property Records and Utility Records.

## 5.1 ADJACENT PROPERTY OBSERVATIONS

The adjoining properties consist of the following:

- |       |  |
|-------|--|
| North | Ancillary agricultural structures and agricultural land (no assigned address); single family residence, ancillary agricultural structures and agricultural land (1390 Center Road); single family residence (1582 Center Road) |
| South | Single family residence (2600 Center Road); Finn River, LLC and single family residence, ancillary agricultural structures and agricultural land (62-142 Barn Swallow Road)  |





East	Undeveloped land (1717 Center Road); single family residence (1921 Center Road and 2397 Center Road)
West	Single family residence (1765, 1833, 1921, 2081, 2333, 2337, 2339, 2757, 2801 West Valley Road)

## 6.0 CONCLUSIONS AND RECOMMENDATIONS

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ADESA has developed and performed this Phase I Environmental Site Assessment within the scope and limitations of ASTM Practice E 1527-13, and in conformance with the Federal AAI Rules. Any exceptions to, or deletions from, this practice are described in this report. The Phase I Site Assessment of the Short Family Farm property located at 1594, 1720 and 2330 Center Road Chimacum (unincorporated), Washington 98325 has revealed no evidence of recognized environmental conditions, controlled recognized environmental conditions or historical recognized environmental conditions.

Additionally, although not considered recognized environmental conditions, the following potential environmental liabilities (non-ASTM) were identified.

- ✚ Petroleum staining was observed within the shop and Lumber Shed. Care should be taken to limit runoff from these areas. Minor quantities of hazardous materials and building maintenance chemicals observed in the shop. Old or outdated products should be disposed of in accordance with local/state regulations.
- ✚ Storage of a 55-gallon steel drum of waste oil without secondary containment and exposed to precipitation. The 55-gallon drum of waste oil observed on the west facing exterior wall of the shop building should be stored with secondary containment and in a location protected from precipitation and/or surface water.
- ✚ The potential presence of asbestos containing building materials and/or lead based paint in the structures on the Subject Property cannot be discounted. ADESA recommends performing a lead-based paint and asbestos building inspection prior to significant remodeling/demolition of the onsite structures.

### Recommendations

- ✚ Based on the findings of this assessment, no further investigation is warranted at this time.





## **7.0 QUALIFICATIONS, INVESTIGATION LIMITATIONS, AND USER RELIANCE**

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### **7.1 STATEMENT OF QUALIFIED ENVIRONMENTAL PROFESSIONAL**

Mr. William Rutherford is a qualified Environmental Professional under the EPA's All Appropriate Inquiries Final Rule. Mr. Rutherford has been performing due diligence related site assessments for 21 years across North America (Ohio, Maryland, Kentucky, West Virginia, Hawaii, Arizona, California, Nevada, Idaho, Oregon, Washington and British Columbia). Mr. Rutherford possesses a Master of Environmental Studies degree from an accredited college and has holds multiple state and federal certifications to perform environmental investigations.

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR Part 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

William W. Rutherford, MES, AHERA  
Senior Environmental Project Manager

### **7.2 RELIANCE**

This report has been prepared for the benefit of Port of Port Townsend (User). Any other party without the express written consent of the Port of Port Townsend and ADESA may not use the information contained in this report, including all exhibits and attachments. It should be emphasized that conditions at the Subject Property can change over time. The use of this report by third parties shall be at their own risk.

### **7.3 INVESTIGATION LIMITATIONS**

ADESA's site inspection included observations of areas that were accessible by foot and a visual inspection of surrounding and adjacent properties, including those properties identified in the environmental regulatory agency database search that were located adjacent to the Subject Property. Certain conditions may have prevented or limited access to all on-site locations.

The work conducted by ADESA is limited to the services agreed to with the Port of Port Townsend (i.e. Phase I ESA per ASTM Standard E 1527-13), and no other services beyond those explicitly stated should be inferred or are implied.

ADESA's Phase I ESA is limited to visual observations of site conditions on the day inspected, review of readily available and relevant data, and statements made and information provided by the client, their agents, outside parties and regulatory agencies. ADESA has exercised due diligence and customary care in the conduct of its assessment. The Phase I ESA is a limited and non-exhaustive survey that is intended to evaluate whether readily available information indicates that the historic or current use of the Subject Property resulted in contamination by hazardous substances or waste. As a result, without a comprehensive sampling and analysis program or implementation of services beyond the original scope-of-work, certain conditions, including, but not limited to those summarized below, may not be revealed:





- ✚ Naturally occurring toxic substances or elements found in the subsurface soils, rocks, or water;
- ✚ Toxic substances commonly found in current habitable environments, such as, stored household products, building materials, and consumables;
- ✚ Biological or infectious agents and pathogens;
- ✚ Contaminant plumes (liquid or gaseous) below the surface from a remote or unknown source;
- ✚ Contaminants or conditions that do not violate current regulatory standards, but may violate such standards in the future
- ✚ Unknown, unreported, and not readily visible site contamination.

In preparing this report, ADESA has reviewed historical records, conducted interviews with certain private and public officials, and performed an on-site visual inspection of the property. ADESA has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. ADESA has not conducted an independent examination of the facts contained in referenced materials and statements. ADESA has assumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. ADESA has prepared this report in a professional manner, using that degree of skill and care exercised for similar projects under similar conditions by reputable and competent environmental consultants. ADESA shall not be responsible for conditions or consequences arising from relevant facts that were concealed, withheld, or not fully disclosed at the time the report was prepared. ADESA also notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report and the site inspection. ADESA believes the conclusions stated herein to be factual, but no guarantee is made or implied.

The following data failure/gaps were identified during the performance of this Phase I Environmental Site Assessment:

- ✚ ADESA was unable to interview past owners of the Subject Property. Based on the quality of the historical information obtained from other sources, this is not anticipated to represent a significant data gap and any information obtained would be unlikely to alter the findings of this report.
- ✚ ADESA was unable to document the use of the Subject Property back to the first development, anecdotally reported as the 1880s, and no other earlier standard historical sources were available for review. This is not considered significant as the historical evidence and onsite observations support the 1880s assertion.
- ✚ ADESA was unable to document the history of the Subject Property in 5-year intervals. This is not considered significant because for each interval the use of the Subject Property was unchanged between the earlier source and the latter.





## **8.0 REFERENCES**

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Other sources used in the completion of this report are cited elsewhere in the document, generally at the point of use.

American Society for Testing and Materials, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM E1527-13.

ENVIROSITE Corporation – Government Records Report, Order Number: 80452; Report Generated: November/December 2022

ENVIROSITE Corporation – Historical Aerial Photo Report, Order Number: 80452; Report Generated: November/December 2022

Federal Emergency Management Agency (FEMA). Federal Insurance Administration, National Flood Insurance Program, Flood Insurance Map, accessed via internet, November/December 2022

Jones, M.A. “Geologic Framework for the Puget Sound Aquifer System, Washington and British Columbia”. USGS Professional Paper 1424-C. 1999.

Jefferson County Assessors Online/Hardcopy Data. All property records for Subject Property and limited records for adjoining properties. November/December 2022

United States Department of Agriculture (USDA), Natural Resources Conservation Service, Web Soil Survey, accessed via the internet, November/December 2022

United States Environmental Protection Agency (USEPA). EPA Map of Radon Zones (Document EPA-402-R-93-071), accessed via the internet, November/December 2022

United State Environmental Protection Agency. EPA Enviromapper. accessed via the internet, November/December 2022

United States Geologic Survey (USGS). Topographic Map of the Lacey, Washington Quadrangle. Various dates as referenced in the report. November/December 2022

Washington State Department of Ecology. Facility/Site Atlas and Web Reporting Portal. <http://apps.ecy.wa.gov/website/facsite/viewer.htm>, November/December 2022





## APPENDIX A REGULATORY DATABASE SEARCH





## Government Records Report | 2022

Order Number: 80452

Report Generated: 11/10/2022

Project Name: Short Family Farm

Project Number: 1122-04

Short Family Farm  
1594, 2330, 1720 Center Road  
Chimacum, WA 98325

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Contact us at:  
(866) 211-2028  
[envirositecorp.com](http://envirositecorp.com)



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Envirosite Corporation has conducted a search of all reasonably ascertainable records in accordance with EPA's AAI (40 CFR Part 312) requirements and the ASTM E-1527-21 Environmental Site Assessments standard.

## **SUBJECT PROPERTY INFORMATION:**

### **ADDRESS:**

Short Family Farm  
1594, 2330, 1720 Center Road  
Chimacum, WA 98325

### **COORDINATES:**

Latitude (North):	47.984674 - 47°59'4.8"
Longitude (West):	-122.776229 - -122°46'34.4"
Universal Transverse Mercator:	Zone 10N
UTM X (Meters):	516697.25
UTM Y (Meters):	5314621.04

### **ELEVATION:**

Elevation:	126 ft. above sea level
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## **USGS TOPOGRAPHIC MAP ASSOCIATED WITH SUBJECT PROPERTY:**

Subject Property Map: 47122-H7 Center, WA  
Most Recent Revision: 2020



<u>MAP ID</u>	<u>SITE NAME</u>	<u>ADDRESS</u>	<u>DATABASE(S)</u>	<u>RELATIVE ELEVATION</u>	<u>DIRECTION / DISTANCE</u>
<b>A1</b>	SHORTS FAMILY FARM   VALLEY VIEW...	1594 CENTER RD	ALL SITES - WA, FRS, SWF LF - WA, SWTIRE 3 ...		SP
<b>A2</b>	VALLEY VIEW DAIRY CHIMACUM	1720 CENTER RD	ALL SITES - WA, FRS		SP
<b>3</b>	LEES TRUCK REPAIR	1520 CENTER RD	ALL SITES - WA, CSCSL HWS - WA, FRS, HSL - ...	Higher	ENE / 0.022 mi., 114 ft.
<b>B4</b>	CENEX HARVEST STATES COOPERATI...	9315 RHODODENDRON DR	UST - WA	Higher	SW / 0.101 mi., 536 ft.
<b>B5</b>	CENEX HARVEST STATES COOP	9315 RHODEDENDREN DR	ALL SITES - WA, FRS, T 2 - WA	Higher	SW / 0.114 mi., 604 ft.
<b>6</b>	GERALD MAGNUSON	540 CENTER RD	ALL SITES - WA, FRS	Higher	NNE / 0.858 mi., 4529...



**SUBJECT PROPERTY SEARCH RESULTS:**

The subject property was identified in the following records. For more information on this property, see Map Findings section on page 17.

<u>SITE</u>	<u>DATABASE(S)</u>	<u>EPA ID</u>
SHORTS FAMILY FARM   VALLEY VIEW DAIRY COMPOST 1594 CENTER RD Chimacum   QUILCENE   CHIMACUM, WA 98325	ALL SITES - WA, FRS, SWF/LF - WA, SWTIRE 3 - WA	N/R
SWF/LF - WA - ID: 2618	Status: Operating	Date: N/A
ALL SITES - WA - ID: Facility ID 9590129 - ID: Program ID N/R	Status: N/A Status: Active	Date: N/A Date: End Date N/R
VALLEY VIEW DAIRY CHIMACUM 1720 CENTER RD CHIMACUM   Chimacum, WA	ALL SITES - WA, FRS	N/R
ALL SITES - WA - ID: Facility ID 7539286 - ID: Program ID N/R - ID: Program ID N/R	Status: N/A Status: Active Status: Inactive	Date: N/A Date: End Date N/R Date: End Date 2002-01-01

**SEARCH RESULTS:****FEDERAL, STATE, AND TRIBAL REGISTERED STORAGE TANK LISTS**

UST - WA: Registered Underground Storage Tanks **1 SITE FOUND WITHIN .25 MILE**

**EQUAL/HIGHER ELEVATION**

<u>MAP ID</u>	<u>SITE NAME</u>	<u>SITE ADDRESS</u>	<u>DIRECTION/DISTANCE</u>	<u>PAGE</u>
B4	CENEX HARVEST STATES COOPERATIVES   CHS NORTHWEST	9315 RHODODENDRON DR	SW / 0.101 mi., 536 ft.	27
	- ID: Facility ID 39939394	Status: N/A	Date: N/A	
	- ID: Tank Name 1	Status: Operational	Date: 1996-08-06	
	- ID: Tank Name 2	Status: Operational	Date: 1996-08-06	
	- ID: Tank Name 3	Status: Operational	Date: 1996-08-06	
	- ID: Tank Name 4	Status: Operational	Date: 1996-08-06	

**STATE- AND TRIBAL - EQUIVALENT CERCLIS**

CSCSL HWS - WA: Confirmed and suspected contaminated sites list: Hazardous Waste sites **1 SITE FOUND WITHIN 1 MILE**

**EQUAL/HIGHER ELEVATION**

<u>MAP ID</u>	<u>SITE NAME</u>	<u>SITE ADDRESS</u>	<u>DIRECTION/DISTANCE</u>	<u>PAGE</u>
3	LEES TRUCK REPAIR	1520 CENTER RD	ENE / 0.022 mi., 114 ft.	22
	- ID: 24761	Status: Cleanup Started	Date: N/A	

HSL - WA: Listing of Hazardous Sites **1 SITE FOUND WITHIN 1 MILE**

**EQUAL/HIGHER ELEVATION**

<u>MAP ID</u>	<u>SITE NAME</u>	<u>SITE ADDRESS</u>	<u>DIRECTION/DISTANCE</u>	<u>PAGE</u>
3	LEES TRUCK REPAIR	1520 CENTER RD	ENE / 0.022 mi., 114 ft.	22
	- ID: 24761	Status: Cleanup Started	Date: N/A	



**STATE AND TRIBAL VOLUNTARY CLEANUP SITES**VCP - WA: Voluntary Cleanup Program Sites **1 SITE FOUND WITHIN .5 MILE****EQUAL/HIGHER ELEVATION**

<u>MAP ID</u>	<u>SITE NAME</u>	<u>SITE ADDRESS</u>	<u>DIRECTION/DISTANCE</u>	<u>PAGE</u>
3	LEES TRUCK REPAIR - ID: Facility ID 24761 - ID: Program ID N/R	1520 CENTER RD Status: N/A Status: Active	ENE / 0.022 mi., 114 ft. Date: N/A Date: End Date N/R	22

**OTHER ASCERTAINABLE RECORDS**ALL SITES - WA: All remediation site listings **5 SITES FOUND WITHIN 1 MILE****EQUAL/HIGHER ELEVATION**

<u>MAP ID</u>	<u>SITE NAME</u>	<u>SITE ADDRESS</u>	<u>DIRECTION/DISTANCE</u>	<u>PAGE</u>
3	LEES TRUCK REPAIR - ID: Facility ID 24761 - ID: Program ID N/R	1520 CENTER RD Status: N/A Status: Active	ENE / 0.022 mi., 114 ft. Date: N/A Date: End Date N/R	22
B5	CENEX HARVEST STATES COOP - ID: Facility ID 39939394 - ID: Program ID N/R	9315 RHODEDENDREN DR Status: N/A Status: Active	SW / 0.114 mi., 604 ft. Date: N/A Date: End Date N/R	34
6	GERALD MAGNUSON - ID: Facility ID 3515 - ID: Program ID N/R	540 CENTER RD Status: N/A Status: Active	NNE / 0.858 mi., 4529 ft. Date: N/A Date: End Date N/R	37

T 2 - WA: facilities who must submit a hazardous chemical inventory report **1 SITE FOUND WITHIN .25 MILE****EQUAL/HIGHER ELEVATION**

<u>MAP ID</u>	<u>SITE NAME</u>	<u>SITE ADDRESS</u>	<u>DIRECTION/DISTANCE</u>	<u>PAGE</u>
B5	CENEX HARVEST STATES COOP	9315 RHODEDENDREN DR	SW / 0.114 mi., 604 ft.	34

Following sites were unable to be mapped.

<u>SITE NAME:</u>	<u>ADDRESS, CITY, ZIP:</u>	<u>DATABASE(S):</u>
CENTER VALLEY MARKET	5211 CENTER RD, CHIMACUM	EPA LUST
SpringRain Farm & Orchard, Inc.	187 Covington Dr, Chimacum 98325	SWF/LF - WA, SWTIRE 3 - WA

**DATABASE(S) WITH NO MAPPED SITES:****FEDERAL RCRA NON-CORRACTS TSD FACILITIES LIST**

ARCHIVED RCRA TSDF	Archived Resource Conservation and Recovery Act: Treatment Storage and Disposal Facilities
RCRA_TSDF	Resource Conservation and Recovery Act: Treatment Storage and Disposal Facilities

**FEDERAL, STATE, AND TRIBAL REGISTERED STORAGE TANK LISTS**

AST PBS	ASTs at Bulk Petroleum Terminals
EPA UST	EPA UST Finder database
FEMA UST	FEMA Underground Storage Tanks
HIST INDIAN UST R6	Historical Underground Storage Tanks on Indian Land in EPA Region 6
HIST INDIAN UST R7	Historical Underground Storage Tanks on Indian Land in EPA Region 7
INDIAN UST R1	Underground Storage Tanks on Indian Land in EPA Region 1
INDIAN UST R10	Underground Storage Tanks on Indian Land in EPA Region 10
INDIAN UST R2	Underground Storage Tanks on Indian Land in EPA Region 2
INDIAN UST R4	Underground Storage Tanks on Indian Land in EPA Region 4



**FEDERAL, STATE, AND TRIBAL REGISTERED STORAGE TANK LISTS (cont.)**

INDIAN UST R5	Underground Storage Tanks on Indian Land in EPA Region 5
INDIAN UST R6	Underground Storage Tanks on Indian Land in EPA Region 6
INDIAN UST R7	Underground Storage Tanks on Indian Land in EPA Region 7
INDIAN UST R8	Underground Storage Tanks on Indian Land in EPA Region 8
INDIAN UST R9	Underground Storage Tanks on Indian Land in EPA Region 9
AST - WA	Aboveground Storage Tanks

**FEDERAL CERCLIS LIST**

CERCLIS NFRAP	Comprehensive Environmental Response Compensation and Liability Act No Further Remedial Action Planned
CERCLIS-HIST	Comprehensive Environmental Response Compensation and Liability Act
EPA SAA	EPA Superfund Alternative Approach
FEDERAL FACILITY	Federal Facility sites
SEMS_8R_ACTIVE SITES	Sites on SEMS Active Site Inventory
SEMS_8R_ARCHIVED SITES	Sites on SEMS Archived Site Inventory

**FEDERAL RCRA CORRACTS FACILITIES LIST**

CORRACTS	Hazardous Waste Corrective Action
HIST CORRACTS 2	Historical Hazardous Waste Corrective Action

**FEDERAL DELISTED NPL SITE LIST**

DELISTED NPL	Delisted National Priority List
DELISTED PROPOSED NPL	Delisted proposed National Priority List
SEMS_DELETED NPL	Sites Deleted from National Priorities List

**FEDERAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS**

EPA LF MOP	EPA Landfill Methane Outreach Project Database
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**FEDERAL, STATE, AND TRIBAL LEAKING STORAGE TANK LISTS**

EPA LUST	EPA LUST
HIST INDIAN LUST R4	Historical Leaking Underground Storage Tanks on Indian Land in EPA Region 4
HIST INDIAN LUST R8	Historical Leaking Underground Storage Tanks on Indian Land in EPA Region 8
INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land in EPA Region 1
INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land in EPA Region 10
INDIAN LUST R2	Leaking Underground Storage Tanks on Indian Land in EPA Region 2
INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land in EPA Region 4
INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land in EPA Region 5
INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land in EPA Region 6
INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land in EPA Region 7
INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land in EPA Region 8
INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land in EPA Region 9
LUST - WA	Leaking Underground Storage Tanks

**FEDERAL ERNS LIST**

ERNS	Emergency Response Notification System
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**FEDERAL INSTITUTIONAL CONTROLS / ENGINEERING CONTROLS REGISTRIES**

FED E C	Engineering Controls
FED I C	Institutional Controls
RCRA IC_EC	RCRA sites with Institutional and Engineering Controls

**FEDERAL RCRA GENERATORS LIST**

HIST RCRA_CESQG	Historical Resource Conservation and Recovery Act_Conditionally Exempt Small Quantity Generators
HIST RCRA_LQG	Historical Resource Conservation and Recovery Act_Large Quantity Generators
HIST RCRA_NONGEN	Historical Resource Conservation and Recovery Act_Non Generators



**FEDERAL RCRA GENERATORS LIST (cont.)**

HIST RCRA_SQG	Historical Resource Conservation and Recovery Act_Small Quantity Generators
RCRA_LQG	Resource Conservation and Recovery Act_Large Quantity Generators
RCRA_NONGEN	Resource Conservation and Recovery Act_Non Generators
RCRA_SQG	Resource Conservation and Recovery Act_Small Quantity Generators
RCRA_VSQG	Resource Conservation and Recovery Act_Very Small Quantity Generator

**FEDERAL NPL SITE LIST**

NPL	National Priority List
NPL EPA R1 GIS	GIS for EPA Region 1 NPL
NPL EPA R3 GIS	GIS for EPA Region 3 NPL
NPL EPA R6 GIS	GIS for EPA Region 6 NPL
NPL EPA R8 GIS	GIS for EPA Region 8 NPL
NPL EPA R9 GIS	GIS for EPA Region 9 NPL
PART NPL	Part National Priority List
PROPOSED NPL	Proposed National Priority List
SEMS_FINAL NPL	Sites included on the Final National Priorities List
SEMS_PROPOSED NPL	Sites Proposed to be Added to the National Priorities List

**STATE AND TRIBAL BROWNFIELD SITES**

TRIBAL BROWNFIELDS	Tribal Brownfields
BROWNFIELDS - WA	Brownfields
HIST BROWNFIELDS - WA	Historical Brownfields

**STATE- AND TRIBAL - EQUIVALENT CERCLIS**

CSCSL NFA - WA	Confirmed and Suspected Contaminated Sites: No further action
ICR - WA	Independent Cleanup Report

**STATE AND TRIBAL VOLUNTARY CLEANUP SITES**

HIST VCP - WA	Historical Voluntary Cleanup Program
---------------	--------------------------------------

**LOCAL LISTS OF LANDFILL / SOLID WASTE DISPOSAL SITES**

HIST INDIAN ODI R8	Historical Open Dump Inventory
INDIAN ODI R8	Open Dump Inventory
ODI	Open Dump Inventory
TRIBAL ODI	Indian Open Dump Inventory Sites
ABANDONED LF_KING COUNTY - WA	Abandoned LF Study in King County
ABANDONED LF_SEATTLE - WA	Abandoned LF Study in Seattle
SWRCY - WA	Recycling facilities
SWTIRE - WA	Solid Waste - Tires
SWTIRE 2 - WA	Solid Waste - Tires
TACOMA PIERCE COUNTY - WA	Closed Landfill Survey

**LOCAL BROWNFIELD LISTS**

BROWNFIELDS-ACRES	EPA ACRES Brownfields
FED BROWNFIELDS	Federal Brownfields

**LOCAL LISTS OF HAZARDOUS WASTE / CONTAMINATED SITES**

FED CDL	DOJ Clandestine Drug Labs
US HIST CDL	Historical Clandestine Drug Labs
CDL - WA	Clandestine Drug Labs

**RECORDS OF EMERGENCY RELEASE REPORTS**

HMIRS (DOT)	Hazardous Materials Information Reporting Systems
HIST SPILLS - WA	Historical Spills
SPILLS - WA	Spills

**LOCAL LAND RECORDS**

LIENS 2	CERCLA Lien Information
---------	-------------------------



**OTHER ASCERTAINABLE RECORDS**

AFS	Air Facility Systems
ALT FUELING	Alternative Fueling Stations
ARENAS	ARENAS
ARENAS 2	ARENAS (additional)
BRS	Biennial Reporting Systems
CDC HAZDAT	Hazardous Substance Release and Health Effects Information
CHURCHES	CHURCHES
COAL ASH DOE	Coal Ash: Department of Energy
COAL ASH EPA	Coal Ash: Environmental Protection Agency
COAL GAS	Coal Gas Plants
COLLEGES	COLLEGES
COLLEGES 2	COLLEGES 2
CONSENT (DECREEES)	Superfund Consent Decree
CORRECTIVE ACTIONS_2020	Wastes - Hazardous Waste - Corrective Action
DAYCARE	DAYCARE
DEBRIS EPA LF	EPA Disaster Debris Landfill Sites
DEBRIS EPA SWRCY	EPA Disaster Debris Recovery Sites
DOD	Department of Defense
DOT OPS	Department of Transportation Office of Pipeline Safety
ECHO	EPA Enforcement and Compliance History Online
ENOI	Electronic Notice of Intent
EPA FUELS	EPA Fuels Registration, Reporting, and Compliance List
EPA OSC	EPA On-Site Coordinator
EPA WATCH	EPA Watch List
FA HWF	Financial Assurance for Hazardous Waste Facilities
FEDLAND	Federal Lands
FTTS	FIFRA/TSCA Tracking System
FTTS INSP	FIFRA/TSCA Tracking System: Inspections
FUDS	Formerly Used Defense Sites
GOV MANSIONS	Governors Mansions
HIST AFS	Historical Air Facility Systems
HIST AFS 2	Historical Air Facility Systems
HIST DOD	Department of Defense historical sites
HIST LEAD_SMELTER	Historical Lead Smelter Sites
HIST MLTS	Historical Material Licensing Tracking Systems
HIST PCB TRANS	Historical Polychlorinated Biphenyl (PCB) Facilities
HIST PCS ENF	Historical Enforced Permit Compliance Facilities
HIST PCS FACILITY	Historical Permit Compliance Facilities
HIST SSTS	Historical Section 7 Tracking Systems
HOSPITALS	HOSPITALS
HWC DOCKET	Hazardous Waste Compliance Docket
ICIS	Integrated Compliance Information System
INACTIVE PCS	Inactive Permit Compliance Facilities
INDIAN RESERVATION	American Indian Lands
LUCIS	Land Use Control Information Systems
LUCIS 2	Land Use Control Information Systems 2
MANIFEST EPA	EPA Hazardous Waste Manifests
MINE OPERATIONS	Mines list from USGS
MINES	MINES
MINES USGS	Mines list from USGS
MLTS	Material Licensing Tracking Systems
NPL AOC	Areas related to NPL remediation sites
NPL LIENS	National Priority List Liens
NURSING HOMES	NURSING HOMES
OSHA	Occupational Safety & Health Administration
PADS	PCB Activity Database Systems
PCB TRANSFORMER	Polychlorinated Biphenyl (PCB) Waste
PCS ENF	Enforced Permit Compliance Facilities



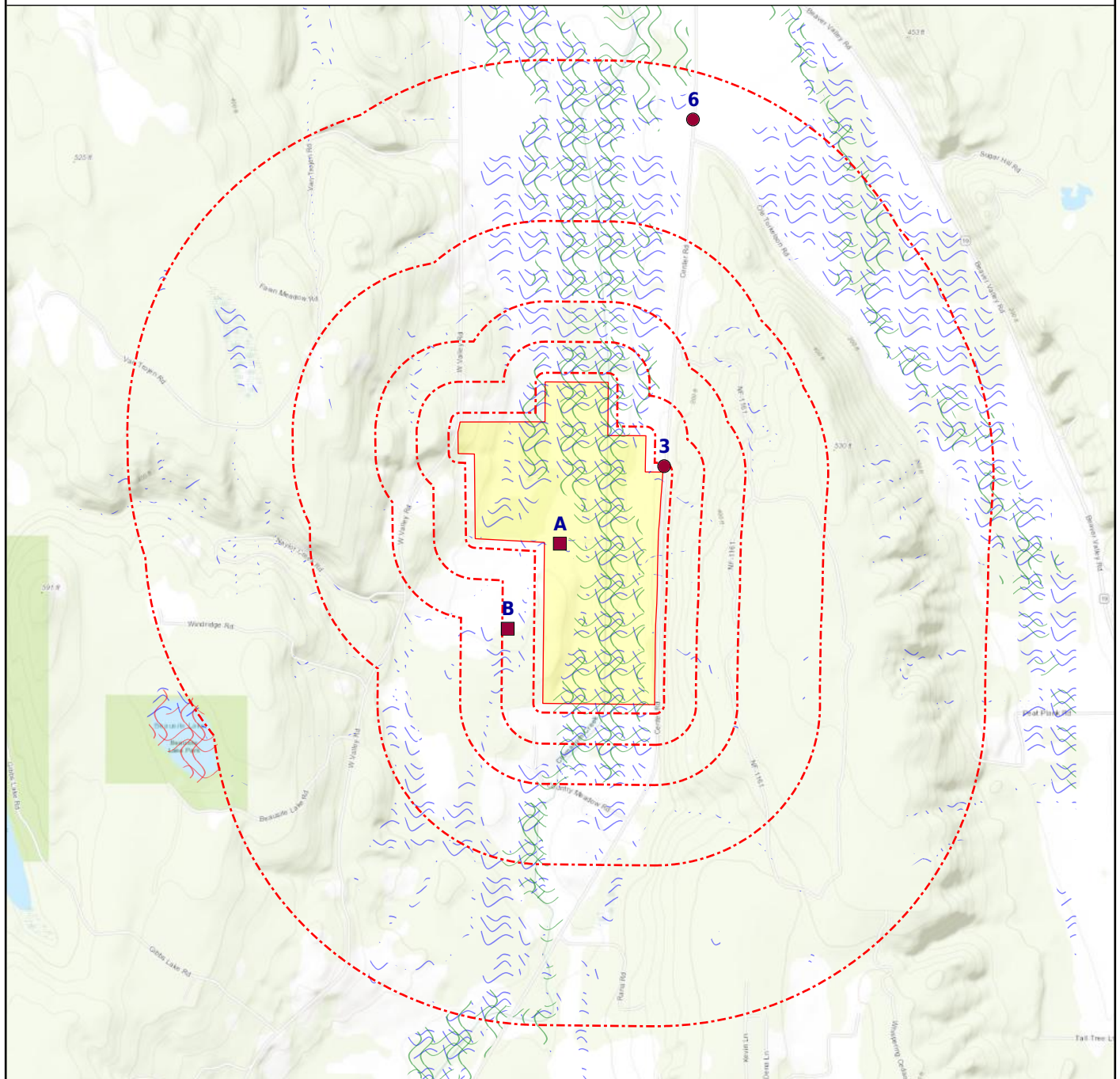
**OTHER ASCERTAINABLE RECORDS (cont.)**

PCS FACILITY	Permit Compliance Facilities
PFAS NPL	PFAS NPL Sites
PFAS TRIS	PFAS TRIS Sites
PFAS UCMR3	PFAS UCMR Samples
PRISONS	PRISONS
RAATS	RCRA Administrative Action Tracking Systems
RADINFO	Radiation Information Systems
RMP	Risk Management Plans
ROD	Record of Decision
SCHOOLS PRIVATE	SCHOOLS PRIVATE
SCHOOLS PUBLIC	SCHOOLS PUBLIC
SCRD DRYCLEANERS	SCRD Drycleaners
SEMS_SMELTER	Sites on SEMS Potential Smelter Activity
SSTS	Section 7 Tracking Systems
STORMWATER	Storm Water Permits
TOSCA-PLANT	Toxic Substance Control Act: Plants
TRIS	Toxic Release Inventory Systems
UMTRA	Uranium Mill Tailing Sites
VAPOR	EPA Vapor Intrusion
COAL MINES - WA	Coal Mine Inventory
EMI - WA	Emissions Inventory
ENVCVN - WA	Environmental Covenants
FA 1 - WA	Financial Assurance
INACTIVE MINES - WA	State mine records
MINES - WA	State mine records
PFAS - WA	PFAS Site Listing
PFAS AFFF - WA	PFAS AFFF Site Listing
SNOHOMISH SWS - WA	Solid Waste Sites in Snohomish
UIC - WA	Underground Injection Controls



SUBJECT NAME: Short Family Farm  
 ADDRESS: 1594, 2330, 1720 Center Road, Chimacum, W...  
 LAT/LONG: 47.984674 / -122.776229

PREPARED FOR: ADESA Environmental Services  
 ORDER #: 80452  
 REPORT DATE: November 10, 2022

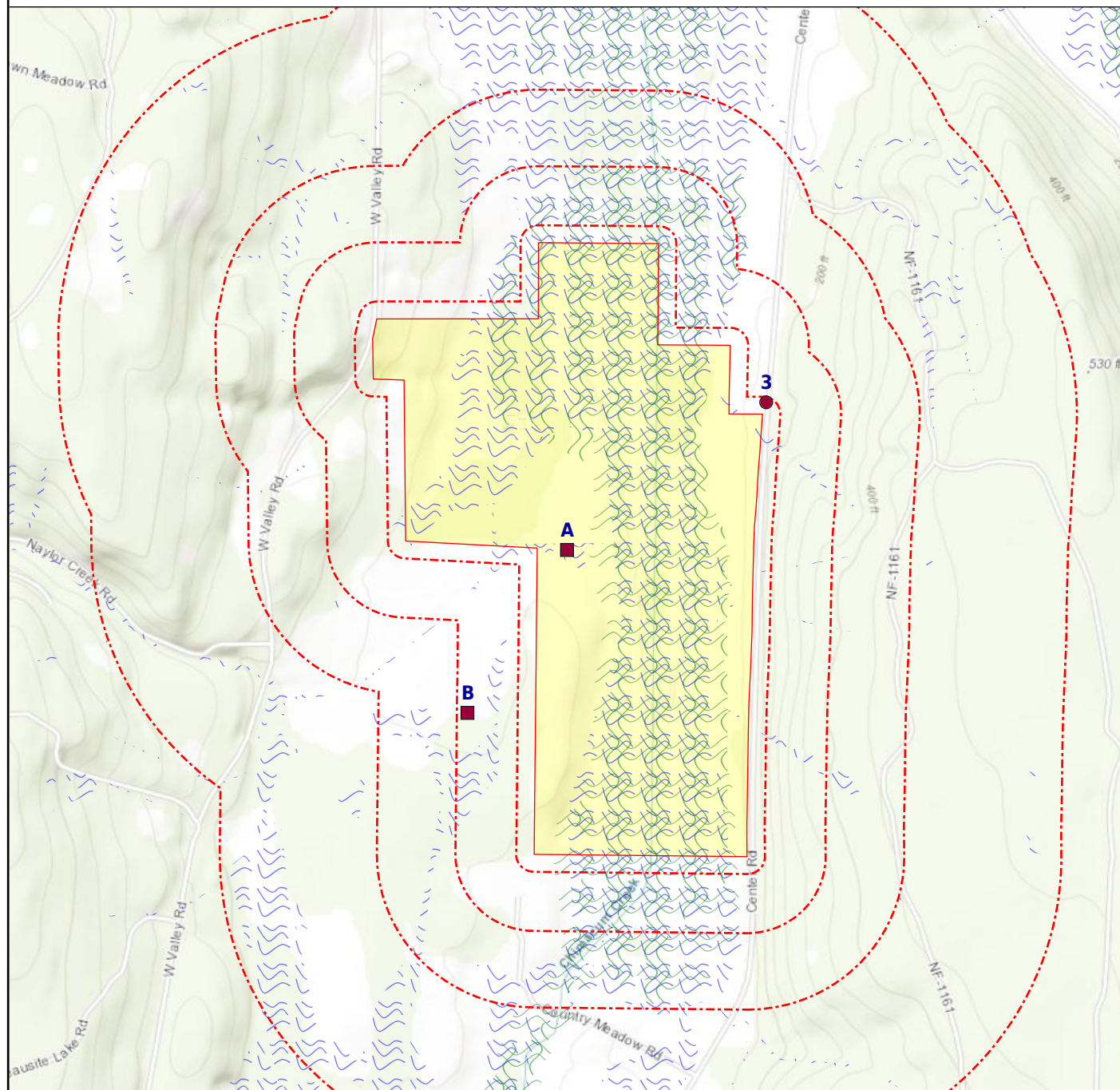


- |                                    |                          |                            |                                |
|------------------------------------|--------------------------|----------------------------|--------------------------------|
| ★ Subject Property                 | ● Equal/Higher Elevation | ● Lower Elevation          | ⚠ CDC HAZDAT (No Data)         |
| ■ Department of Defense (No Data)  | ⋈ DFIRM Floodzone 100    | ⋈ DFIRM Floodzone 500      | ■ Federal Lands (No Data)      |
| ⋈ FEMA FloodZone 100               | ⋈ FEMA FloodZone 500     | ■ Historical DOD (No Data) | ⋈ Indian Reservation (No Data) |
| ■ National Priority List (No Data) | ⋈ NWI                    |                            |                                |



SUBJECT NAME: Short Family Farm  
 ADDRESS: 1594, 2330, 1720 Center Road, Chimacum, W...  
 LAT/LONG: 47.984674 / -122.776229

PREPARED FOR: ADESA Environmental Services  
 ORDER #: 80452  
 REPORT DATE: November 10, 2022



- |                                    |                          |                            |                                |
|------------------------------------|--------------------------|----------------------------|--------------------------------|
| ★ Subject Property                 | ● Equal/Higher Elevation | ● Lower Elevation          | ⚠ CDC HAZDAT (No Data)         |
| ■ Department of Defense (No Data)  | ⚡ DFIRM Floodzone 100    | ⚡ DFIRM Floodzone 500      | ⚡ Federal Lands (No Data)      |
| ⚡ FEMA FloodZone 100               | ⚡ FEMA FloodZone 500     | ■ Historical DOD (No Data) | ⚡ Indian Reservation (No Data) |
| ■ National Priority List (No Data) | ⚡ NWI                    |                            |                                |



<u>DATABASE</u>	<u>SUBJECT PROPERTY</u>	<u>SEARCH DISTANCE (MILES)</u>	<u>&lt;1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt;1</u>	<u>TOTAL MAPPED</u>
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**FEDERAL RCRA NON-CORRACTS TSD FACILITIES LIST**

ARCHIVED RCRA TSDF		0.500	0	0	0	--	--	0
RCRA_TSDF		0.500	0	0	0	--	--	0

**FEDERAL, STATE, AND TRIBAL REGISTERED STORAGE TANK LISTS**

AST PBS		0.250	0	0	--	--	--	0
EPA UST		0.250	0	0	--	--	--	0
FEMA UST		0.250	0	0	--	--	--	0
HIST INDIAN UST R6		0.250	0	0	--	--	--	0
HIST INDIAN UST R7		0.250	0	0	--	--	--	0
INDIAN UST R1		0.250	0	0	--	--	--	0
INDIAN UST R10		0.250	0	0	--	--	--	0
INDIAN UST R2		0.250	0	0	--	--	--	0
INDIAN UST R4		0.250	0	0	--	--	--	0
INDIAN UST R5		0.250	0	0	--	--	--	0
INDIAN UST R6		0.250	0	0	--	--	--	0
INDIAN UST R7		0.250	0	0	--	--	--	0
INDIAN UST R8		0.250	0	0	--	--	--	0
INDIAN UST R9		0.250	0	0	--	--	--	0
AST - WA		0.250	0	0	--	--	--	0
UST - WA		0.250	1	0	--	--	--	1

**FEDERAL CERCLIS LIST**

CERCLIS NFRAP		0.500	0	0	0	--	--	0
CERCLIS-HIST		0.500	0	0	0	--	--	0
EPA SAA		0.500	0	0	0	--	--	0
FEDERAL FACILITY		1.000	0	0	0	0	--	0
SEMS_8R_ACTIVE SITES		0.500	0	0	0	--	--	0
SEMS_8R_ARCHIVED SITES		0.500	0	0	0	--	--	0

**FEDERAL RCRA CORRACTS FACILITIES LIST**

CORRACTS		1.000	0	0	0	0	--	0
HIST CORRACTS 2		1.000	0	0	0	0	--	0

**FEDERAL DELISTED NPL SITE LIST**

DELISTED NPL		1.000	0	0	0	0	--	0
DELISTED PROPOSED NPL		1.000	0	0	0	0	--	0
SEMS_DELETED NPL		1.000	0	0	0	0	--	0



<u>DATABASE</u>	<u>SUBJECT PROPERTY</u>	<u>SEARCH DISTANCE (MILES)</u>	<u>&lt;1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt;1</u>	<u>TOTAL MAPPED</u>
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**FEDERAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS**

EPA LF MOP		0.500	0	0	0	--	--	0
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**FEDERAL, STATE, AND TRIBAL LEAKING STORAGE TANK LISTS**

EPA LUST		0.500	0	0	0	--	--	0
HIST INDIAN LUST R4		0.500	0	0	0	--	--	0
HIST INDIAN LUST R8		0.500	0	0	0	--	--	0
INDIAN LUST R1		0.500	0	0	0	--	--	0
INDIAN LUST R10		0.500	0	0	0	--	--	0
INDIAN LUST R2		0.500	0	0	0	--	--	0
INDIAN LUST R4		0.500	0	0	0	--	--	0
INDIAN LUST R5		0.500	0	0	0	--	--	0
INDIAN LUST R6		0.500	0	0	0	--	--	0
INDIAN LUST R7		0.500	0	0	0	--	--	0
INDIAN LUST R8		0.500	0	0	0	--	--	0
INDIAN LUST R9		0.500	0	0	0	--	--	0
LUST - WA		0.500	0	0	0	--	--	0

**FEDERAL ERNS LIST**

ERNS		SP	0	--	--	--	--	0
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**FEDERAL INSTITUTIONAL CONTROLS / ENGINEERING CONTROLS REGISTRIES**

FED E C		0.500	0	0	0	--	--	0
FED I C		0.500	0	0	0	--	--	0
RCRA IC_EC		0.250	0	0	--	--	--	0

**FEDERAL RCRA GENERATORS LIST**

HIST RCRA_CESQG		0.250	0	0	--	--	--	0
HIST RCRA_LQG		0.250	0	0	--	--	--	0
HIST RCRA_NONGEN		0.250	0	0	--	--	--	0
HIST RCRA_SQG		0.250	0	0	--	--	--	0
RCRA_LQG		0.250	0	0	--	--	--	0
RCRA_NONGEN		0.250	0	0	--	--	--	0
RCRA_SQG		0.250	0	0	--	--	--	0
RCRA_VSQG		0.250	0	0	--	--	--	0

**FEDERAL NPL SITE LIST**

NPL		1.000	0	0	0	0	--	0
NPL EPA R1 GIS		1.000	0	0	0	0	--	0
NPL EPA R3 GIS		1.000	0	0	0	0	--	0



<u>DATABASE</u>	<u>SUBJECT PROPERTY</u>	<u>SEARCH DISTANCE (MILES)</u>	<u>&lt;1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt;1</u>	<u>TOTAL MAPPED</u>
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**FEDERAL NPL SITE LIST (cont.)**

NPL EPA R6 GIS		1.000	0	0	0	0	--	0
NPL EPA R8 GIS		1.000	0	0	0	0	--	0
NPL EPA R9 GIS		1.000	0	0	0	0	--	0
PART NPL		1.000	0	0	0	0	--	0
PROPOSED NPL		1.000	0	0	0	0	--	0
SEMS_FINAL NPL		1.000	0	0	0	0	--	0
SEMS_PROPOSED NPL		1.000	0	0	0	0	--	0

**STATE AND TRIBAL BROWNFIELD SITES**

TRIBAL BROWNFIELDS		0.500	0	0	0	--	--	0
BROWNFIELDS - WA		0.500	0	0	0	--	--	0
HIST BROWNFIELDS - WA		0.500	0	0	0	--	--	0

**STATE- AND TRIBAL - EQUIVALENT CERCLIS**

CSCSL HWS - WA		1.000	1	0	0	0	--	1
CSCSL NFA - WA		0.500	0	0	0	--	--	0
HSL - WA		1.000	1	0	0	0	--	1
ICR - WA		0.500	0	0	0	--	--	0

**STATE AND TRIBAL VOLUNTARY CLEANUP SITES**

HIST VCP - WA		0.500	0	0	0	--	--	0
VCP - WA		0.500	1	0	0	--	--	1

**STATE AND TRIBAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS**

SWF/LF - WA	X	0.500	0	0	0	--	--	1
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**LOCAL LISTS OF LANDFILL / SOLID WASTE DISPOSAL SITES**

HIST INDIAN ODI R8		0.500	0	0	0	--	--	0
INDIAN ODI R8		0.500	0	0	0	--	--	0
ODI		0.500	0	0	0	--	--	0
TRIBAL ODI		0.500	0	0	0	--	--	0
ABANDONED LF_KING COUNTY - WA		0.500	0	0	0	--	--	0
ABANDONED LF_SEATTLE - WA		0.500	0	0	0	--	--	0
SWRCY - WA		0.500	0	0	0	--	--	0
SWTIRE - WA		0.500	0	0	0	--	--	0
SWTIRE 2 - WA		0.500	0	0	0	--	--	0
SWTIRE 3 - WA	X	0.500	0	0	0	--	--	1
TACOMA PIERCE COUNTY - WA		0.500	0	0	0	--	--	0



<u>DATABASE</u>	<u>SUBJECT PROPERTY</u>	<u>SEARCH DISTANCE (MILES)</u>	<u>&lt;1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt;1</u>	<u>TOTAL MAPPED</u>
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**LOCAL BROWNFIELD LISTS**

BROWNFIELDS-ACRES		0.500	0	0	0	--	--	0
FED BROWNFIELDS		0.500	0	0	0	--	--	0

**LOCAL LISTS OF HAZARDOUS WASTE / CONTAMINATED SITES**

FED CDL		SP	0	--	--	--	--	0
US HIST CDL		SP	0	--	--	--	--	0
CDL - WA		SP	0	--	--	--	--	0

**RECORDS OF EMERGENCY RELEASE REPORTS**

HMIRS (DOT)		SP	0	--	--	--	--	0
HIST SPILLS - WA		0.125	0	--	--	--	--	0
SPILLS - WA		0.125	0	--	--	--	--	0

**LOCAL LAND RECORDS**

LIENS 2		SP	0	--	--	--	--	0
---------	--	----	---	----	----	----	----	---

**OTHER ASCERTAINABLE RECORDS**

AFS		SP	0	--	--	--	--	0
ALT FUELING		0.250	0	0	--	--	--	0
ARENAS		SP	0	--	--	--	--	0
ARENAS 2		SP	0	--	--	--	--	0
BRS		SP	0	--	--	--	--	0
CDC HAZDAT		1.000	0	0	0	0	--	0
CHURCHES		SP	0	--	--	--	--	0
COAL ASH DOE		0.500	0	0	0	--	--	0
COAL ASH EPA		0.500	0	0	0	--	--	0
COAL GAS		1.000	0	0	0	0	--	0
COLLEGES		SP	0	--	--	--	--	0
COLLEGES 2		SP	0	--	--	--	--	0
CONSENT (DECREEES)		1.000	0	0	0	0	--	0
CORRECTIVE ACTIONS_2020		0.500	0	0	0	--	--	0
DAYCARE		SP	0	--	--	--	--	0
DEBRIS EPA LF		0.500	0	0	0	--	--	0
DEBRIS EPA SWRCY		0.500	0	0	0	--	--	0
DOD		1.000	0	0	0	0	--	0
DOT OPS		SP	0	--	--	--	--	0
ECHO		SP	0	--	--	--	--	0
ENOI		SP	0	--	--	--	--	0



<u>DATABASE</u>	<u>SUBJECT PROPERTY</u>	<u>SEARCH DISTANCE (MILES)</u>	<u>&lt;1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt;1</u>	<u>TOTAL MAPPED</u>
<b>OTHER ASCERTAINABLE RECORDS (cont.)</b>								
EPA FUELS		SP	0	--	--	--	--	0
EPA OSC		0.125	0	--	--	--	--	0
EPA WATCH		SP	0	--	--	--	--	0
FA HWF		SP	0	--	--	--	--	0
FEDLAND		1.000	0	0	0	0	--	0
FRS	X	SP	--	--	--	--	--	2
FTTS		SP	0	--	--	--	--	0
FTTS INSP		SP	0	--	--	--	--	0
FUDS		1.000	0	0	0	0	--	0
GOV MANSIONS		SP	0	--	--	--	--	0
HIST AFS		SP	0	--	--	--	--	0
HIST AFS 2		SP	0	--	--	--	--	0
HIST DOD		1.000	0	0	0	0	--	0
HIST LEAD_SMELTER		SP	0	--	--	--	--	0
HIST MLTS		SP	0	--	--	--	--	0
HIST PCB TRANS		SP	0	--	--	--	--	0
HIST PCS ENF		SP	0	--	--	--	--	0
HIST PCS FACILITY		SP	0	--	--	--	--	0
HIST SSTS		SP	0	--	--	--	--	0
HOSPITALS		SP	0	--	--	--	--	0
HWC DOCKET		SP	0	--	--	--	--	0
ICIS		SP	0	--	--	--	--	0
INACTIVE PCS		SP	0	--	--	--	--	0
INDIAN RESERVATION		1.000	0	0	0	0	--	0
LUCIS		0.500	0	0	0	--	--	0
LUCIS 2		0.500	0	0	0	--	--	0
MANIFEST EPA		0.250	0	0	--	--	--	0
MINE OPERATIONS		0.250	0	0	--	--	--	0
MINES		0.250	0	0	--	--	--	0
MINES USGS		0.250	0	0	--	--	--	0
MLTS		SP	0	--	--	--	--	0
NPL AOC		1.000	0	0	0	0	--	0
NPL LIENS		SP	0	--	--	--	--	0
NURSING HOMES		SP	0	--	--	--	--	0
OSHA		SP	0	--	--	--	--	0
PADS		SP	0	--	--	--	--	0



<u>DATABASE</u>	<u>SUBJECT PROPERTY</u>	<u>SEARCH DISTANCE (MILES)</u>	<u>&lt;1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt;1</u>	<u>TOTAL MAPPED</u>
<b>OTHER ASCERTAINABLE RECORDS (cont.)</b>								
PCB TRANSFORMER		SP	0	--	--	--	--	0
PCS ENF		SP	0	--	--	--	--	0
PCS FACILITY		SP	0	--	--	--	--	0
PFAS NPL		0.500	0	0	0	--	--	0
PFAS TRIS		0.500	0	0	0	--	--	0
PFAS UCMR3		0.500	0	0	0	--	--	0
PRISONS		SP	0	--	--	--	--	0
RAATS		SP	0	--	--	--	--	0
RADINFO		SP	0	--	--	--	--	0
RMP		0.250	0	0	--	--	--	0
ROD		1.000	0	0	0	0	--	0
SCHOOLS PRIVATE		SP	0	--	--	--	--	0
SCHOOLS PUBLIC		SP	0	--	--	--	--	0
SCRD DRYCLEANERS		0.250	0	0	--	--	--	0
SEMS_SMELTER		SP	0	--	--	--	--	0
SSTS		SP	0	--	--	--	--	0
STORMWATER		SP	0	--	--	--	--	0
TOSCA-PLANT		SP	0	--	--	--	--	0
TRIS		SP	0	--	--	--	--	0
UMTRA		0.500	0	0	0	--	--	0
VAPOR		0.500	0	0	0	--	--	0
ALL SITES - WA	X	1.000	2	0	0	1	--	5
COAL MINES - WA		0.250	0	0	--	--	--	0
EMI - WA		SP	0	--	--	--	--	0
ENVCVN - WA		0.500	0	0	0	--	--	0
FA 1 - WA		SP	0	--	--	--	--	0
INACTIVE MINES - WA		0.250	0	0	--	--	--	0
MINES - WA		0.250	0	0	--	--	--	0
PFAS - WA		0.500	0	0	0	--	--	0
PFAS AFFF - WA		0.500	0	0	0	--	--	0
SNOHOMISH SWS - WA		0.500	0	0	0	--	--	0
T 2 - WA		0.250	1	0	--	--	--	1
UIC - WA		SP	0	--	--	--	--	0



Map Id: A1  
Direction:  
Distance:  
Elevation:  
Relative:

**Site Name :** SHORTS FAMILY FARM | VALLEY VIEW  
DAIRY COMPOST  
1594 CENTER RD  
Chimacum | QUILCENE | CHIMACUM, WA  
98325  
**Database(s) :** [ALL SITES - WA, FRS, SWF/LF - WA,  
SWTIRE 3 - WA]

**EnviroSite ID:** 6548845  
**EPA ID:** N/R

## ALL SITES - WA

Facility Name : Valley View Dairy Compost  
Facility Address : 1594 Center Rd, Quilcene, 98325  
County : N/R

Facility/Site ID : 9590129  
Alternate Name : N/R  
Program Name : N/R  
WRIA : 17  
Legislative District : 24  
Congressional District : 6  
Ecology Region : SWRO  
Ecology Program Phone : (360) 407-6409  
Tribal Land : N  
Latitude : 47.987579  
Longitude : -122.771733  
Last Date in Agency List : 2022-09-29

## Program Details

Program : N/R  
Program ID : N/R  
Interaction Type : Composting

Interaction Type Description : Compost facilities turn organic wastes into compost under controlled conditions without attracting pests or creating human or environmental health problems.

Status : Active  
Start Date : N/R  
End Date : N/R  
SIC : N/R  
NAICS : N/R

## FRS

Facility Name : SHORTS FAMILY FARM  
Facility Address : 1594 CENTER RD., CHIMACUM, WA 98325  
County : JEFFERSON

## Site Details

Registry ID : 110070692029  
FRS Facility URL : [Click here for hyperlink provided by the agency.](#)  
Last Date in Agency List : 2022-08-10

## Source Description



Map Id: A1  
Direction:  
Distance:  
Elevation:  
Relative:

**Site Name :** SHORTS FAMILY FARM | VALLEY VIEW  
DAIRY COMPOST  
1594 CENTER RD  
Chimacam | QUILCENE | CHIMACUM, WA  
98325  
**Database(s) :** [ALL SITES - WA, FRS, SWF/LF - WA,  
SWTIRE 3 - WA] (**cont.**)

**EnviroSite ID:** 6548845  
**EPA ID:** N/R

#### FRS (**cont.**)

##### Source Description :

TRIS is a publicly available EPA database reported annually by certain covered industry groups, as well as federal facilities. It contains information about more than 650 toxic chemicals that are being used, manufactured, treated, transported, or released into the environment, and includes information about waste management and pollution prevention activities.

##### FRS Environmental Interest

Source and System ID :

TRIS - TRI\_OFFSITE\_1895

Facility Name :

VALLEY VIEW DAIRY COMPOST

Facility Address :

1594 CENTER RD, QUILCENE, WA 98325

County :

JEFFERSON

##### Site Details

Registry ID :

110037222136

FRS Facility URL :

[Click here for hyperlink provided by the agency.](#)

Last Date in Agency List :

2022-08-10

##### Source Description

##### Source Description :

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

##### FRS Environmental Interest

Source and System ID :

WA-FSIS - 9590129

#### SWF/LF - WA

Facility Name :

Shorts Family Farm

Facility Address :

1594 Center Road, Chimacam, WA 98325

County :

Jefferson

##### Site Details

Facility ID :

2618

Facility Type :

Compost Facility

Regulation :

173-350-220

Permit Status :

Exempt

Operational Status :

Operating



Map Id: A1  
Direction:  
Distance:  
Elevation:  
Relative:

**Site Name :** SHORTS FAMILY FARM | VALLEY VIEW  
DAIRY COMPOST  
1594 CENTER RD  
Chimacum | QUILCENE | CHIMACUM, WA  
98325

**Database(s) :** [ALL SITES - WA, FRS, SWF/LF - WA,  
SWTIRE 3 - WA] **(cont.)**

**EnviroSite ID:** 6548845  
**EPA ID:** N/R

#### SWF/LF - WA **(cont.)**

Year Closed : N/R  
Ownership : PR  
Phone : 360-732-4601  
Public : No  
Region : Southwest Regional Office  
Contact Name : Roger Short  
Contact Title : Sole Proprietor  
Contact Organization : Shorts Family Farm  
Contact Address 1 : 1720 Center Road, Chimacum, WA 98325  
Contact Address 2 : N/R  
Contact Email : rshort42@gmail.com  
Contact Primary Phone : (360) 732-4601  
Contact Extension : N/R  
Contact Fax : N/R  
Recycle Survey ID : N/R  
Latitude : 47.9875789  
Longitude : -122.7717332  
Last Date in Agency List : 2022-06-16

Facility Name : Shorts Family Farm  
Facility Address : 1594 Center Road, Chimacum, WA 98325  
County : Jefferson

#### Site Details

Facility ID : 2618  
Facility Type : Compost Facility  
Regulation : 173-350-220  
Permit Status : Exempt  
Operational Status : Operating  
Year Closed : N/R  
Ownership : PR  
Phone : 360-732-4601  
Public : No  
Region : Southwest Regional Office  
Contact Name : Roger Short  
Contact Title : Sole Proprietor  
Contact Organization : Shorts Family Farm  
Contact Address 1 : 1720 Center Road, Chimacum, WA 98325  
Contact Address 2 : N/R  
Contact Email : rshort42@gmail.com  
Contact Primary Phone : 360-732-4601  
Contact Extension : N/R  
Contact Fax : N/R  
Recycle Survey ID : N/R  
Latitude : 47.9875789  
Longitude : -122.7717332  
Last Date in Agency List : 2022-09-14

#### SWTIRE 3 - WA

Facility Name : Shorts Family Farm



Map Id: A1  
Direction:  
Distance:  
Elevation:  
Relative:

**Site Name :** SHORTS FAMILY FARM | VALLEY VIEW  
DAIRY COMPOST  
1594 CENTER RD  
Chimacum | QUILCENE | CHIMACUM, WA  
98325  
**Database(s) :** [ALL SITES - WA, FRS, SWF/LF - WA,  
SWTIRE 3 - WA] **(cont.)**

**EnviroSite ID:** 6548845  
**EPA ID:** N/R

## SWTIRE 3 - WA (cont.)

Facility Address :	1594 Center Road, Chimacum, WA 98325
County :	Jefferson
Permit Number :	N/R
Year Opened :	1900
Year Closed :	N/R
Facility Type :	Compost Facility
Operational Status :	Operating
Permit Status :	Exempt
Regulation :	173-350-220
Annual Report Required :	Yes
Recycle Survey Required :	No
Open To Public :	No
Contact Name :	Roger Short
Contact Title :	Sole Proprietor
Contact Organization :	Shorts Family Farm
Contact Address :	1720 Center Road, Chimacum, WA 98325
Contact Email :	rshort42@gmail.com
Contact Phone :	(360) 732-4601
Contact Phone Ext :	N/R
Operator Name :	N/R
Operator Title :	N/R
Operator Organization :	Shorts Family Farm
Operator Email :	N/R
Recycle Survey ID :	N/R
Web Address :	N/R
Latitude :	47.987579
Longitude :	-122.771733
Last Date in Agency List :	2022-01-31

Map Id: A2  
Direction:  
Distance:  
Elevation:  
Relative:

**Site Name :** VALLEY VIEW DAIRY CHIMACUM  
1720 CENTER RD  
CHIMACUM | Chimacum, WA  
**Database(s) :** [ALL SITES - WA, FRS]

**EnviroSite ID:** 6552960  
**EPA ID:** N/R

## ALL SITES - WA

Facility Name :	Valley View Dairy Chimacum
Facility Address :	1720 Center Rd, Chimacum, 98325-9779
County :	N/R
Facility/Site ID :	7539286
Alternate Name :	N/R
Program Name :	N/R
WRIA :	17



Map Id: A2  
 Direction:  
 Distance:  
 Elevation:  
 Relative:

**Site Name :** VALLEY VIEW DAIRY CHIMACUM  
 1720 CENTER RD  
 CHIMACUM | Chimacum, WA  
**Database(s) :** [ALL SITES - WA, FRS] (**cont.**)

**EnviroSite ID:** 6552960  
**EPA ID:** N/R

ALL SITES - WA (**cont.**)

Legislative District : 24  
 Congressional District : 6  
 Ecology Region : SWRO  
 Ecology Program Phone : (360) 407-6400  
 Tribal Land : N  
 Latitude : 47.975365  
 Longitude : -122.77116  
 Last Date in Agency List : 2022-09-29

Facility/Site ID : 7539286  
 Alternate Name : N/R  
 Program Name : N/R  
 WRIA : 17  
 Legislative District : 24  
 Congressional District : 6  
 Ecology Region : SWRO  
 Ecology Program Phone : N/R  
 Tribal Land : N  
 Latitude : 47.975365  
 Longitude : -122.77116  
 Last Date in Agency List : 2022-09-29

## Program Details

Program : N/R  
 Program ID : N/R  
 Interaction Type : N/R  
 Interaction Type Description : N/R  
 Status : Inactive  
 Start Date : 1999-05-06  
 End Date : 2002-01-01  
 SIC : N/R  
 NAICS : N/R

Program : N/R  
 Program ID : N/R  
 Interaction Type : Dairy

Interaction Type Description : Any farm licensed to produce milk under Chapter 15.36 RCW. This definition is further restricted to include only those facilities that are producing bovine milk (as opposed to goat milk), and excludes other dairy related operations such as replacement heifer rearing farms. It should be noted that some dairies have more than one milking parlor and therefore have more than one license.

Status : Active  
 Start Date : 2002-08-05  
 End Date : N/R  
 SIC : N/R  
 NAICS : N/R

## FRS

Facility Name : VALLEY VIEW DAIRY CHIMACUM



Map Id: A2  
Direction:  
Distance:  
Elevation:  
Relative:

**Site Name :** VALLEY VIEW DAIRY CHIMACUM  
1720 CENTER RD  
CHIMACUM | Chimacum, WA  
**Database(s) :** [ALL SITES - WA, FRS] (**cont.**)

**Envirosite ID:** 6552960  
**EPA ID:** N/R

**FRS (cont.)**

Facility Address : 1720 CENTER RD, CHIMACUM, WA 98325-9779  
County : JEFFERSON

**Site Details**

Registry ID : 110015539096  
FRS Facility URL : [Click here for hyperlink provided by the agency.](#)  
Last Date in Agency List : 2022-08-10

**Source Description****Source Description :**

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

FRS Environmental Interest  
Source and System ID : WA-FSIS - 7539286

Map Id: 3  
Direction: ENE  
Distance: 0.022 mi., 114 ft.  
Elevation: 176 ft.  
Relative: Higher

**Site Name :** LEES TRUCK REPAIR  
1520 CENTER RD  
CHIMACUM, WA 98325  
**Database(s) :** [ALL SITES - WA, CSCSL HWS - WA, FRS,  
HSL - WA, VCP - WA]

**Envirosite ID:** 6534981  
**EPA ID:** N/R

**ALL SITES - WA**

Facility Name : LEES TRUCK REPAIR  
Facility Address : 1520 CENTER RD, CHIMACUM, 98325  
County : Jefferson

Facility/Site ID : 24761  
Alternate Name : N/R  
Program Name : N/R  
WRIA : 17  
Legislative District : 24  
Congressional District : 6  
Ecology Region : SWRO  
Ecology Program Phone : (360) 407-6734  
Tribal Land : N  
Latitude : 47.985249  
Longitude : -122.770832  
Last Date in Agency List : 2022-09-29



Map Id: 3  
 Direction: ENE  
 Distance: 0.022 mi., 114 ft.  
 Elevation: 176 ft.  
 Relative: Higher

**Site Name :** LEES TRUCK REPAIR  
 1520 CENTER RD  
 CHIMACUM, WA 98325  
**Database(s) :** [ALL SITES - WA, CSCSL HWS - WA, FRS,  
 HSL - WA, VCP - WA] **(cont.)**

**EnviroSite ID:** 6534981  
**EPA ID:** N/R

## ALL SITES - WA (cont.)

Facility/Site ID : 24761  
 Alternate Name : N/R  
 Program Name : N/R  
 WRIA : 17  
 Legislative District : 24  
 Congressional District : 6  
 Ecology Region : SWRO  
 Ecology Program Phone : (360) 407-7224  
 Tribal Land : N  
 Latitude : 47.985249  
 Longitude : -122.770832  
 Last Date in Agency List : 2022-09-29

### Program Details

Program : HAZWASTE  
 Program ID : N/R  
 Interaction Type : Revised Site Visit Program

Interaction Type Description : HWTR engages in a variety of field work, site visits, and contacts with sites. While most compliance related activity is recorded into the EPA's RCRAInfo system, the other types of activities are recorded into the Revised Site Visit Program (RSVP).

Status : Active  
 Start Date : 2012-10-18  
 End Date : N/R  
 SIC : N/R  
 NAICS : N/R

Program : HAZWASTE  
 Program ID : N/R  
 Interaction Type : Voluntary Cleanup Sites

Interaction Type Description : For a fee, Ecology staff will review an independent cleanup report(s) and provide a written decision about the adequacy of the cleanup actions taken and described in the report.

Status : Active  
 Start Date : 2009-05-05  
 End Date : N/R  
 SIC : N/R  
 NAICS : 811111 - General Automotive Repair

Program : HAZWASTE  
 Program ID : N/R  
 Interaction Type : Voluntary Cleanup Sites

Interaction Type Description : For a fee, Ecology staff will review an independent cleanup report(s) and provide a written decision about the adequacy of the cleanup actions taken and described in the report.

Status : Active



Map Id: 3  
 Direction: ENE  
 Distance: 0.022 mi., 114 ft.  
 Elevation: 176 ft.  
 Relative: Higher

**Site Name :** LEES TRUCK REPAIR  
 1520 CENTER RD  
 CHIMACUM, WA 98325  
**Database(s) :** [ALL SITES - WA, CSCSL HWS - WA, FRS,  
 HSL - WA, VCP - WA] **(cont.)**

**EnviroSite ID:** 6534981  
**EPA ID:** N/R

## ALL SITES - WA (cont.)

Start Date : 2009-05-05  
 End Date : N/R  
 SIC : N/R  
 NAICS : N/R

## CSCSL HWS - WA

Facility Name : LEES TRUCK REPAIR  
 Facility Address : 1520 CENTER RD, CHIMACUM, 98325  
 County : Jefferson

## Site Details

Facility Site ID : 24761  
 Site Status : Cleanup Started  
 Cleanup Site ID : 2673  
 Region : Southwest  
 Responsible Section : Southwest  
 WARM Rank : 1 - Highest Assessed Risk  
 Is Brownfield? : N/R  
 Is PSI? : N/R  
 Current VCP : N/R  
 Past VCP : Yes  
 Institutional Control : N/R  
 Latitude : 47.985249  
 Longitude : -122.770832  
 Last Date in Agency List : 2022-08-31

## Contaminants Details

Contaminant Name : Petroleum Products-Unspecified  
 Groundwater : Suspected  
 Surface Water : N/R  
 Soil : Confirmed Above Cleanup Levels  
 Sediment : N/R  
 Air : N/R  
 Bedrock : N/R

## FRS

Facility Name : LEES TRUCK REPAIR  
 Facility Address : 1520 CENTER RD, CHIMACUM, WA 98325  
 County : JEFFERSON

## Site Details

Registry ID : 110056470867  
 FRS Facility URL : [Click here for hyperlink provided by the agency.](#)  
 Last Date in Agency List : 2022-08-10



Map Id: 3  
 Direction: ENE  
 Distance: 0.022 mi., 114 ft.  
 Elevation: 176 ft.  
 Relative: Higher

**Site Name :** LEES TRUCK REPAIR  
 1520 CENTER RD  
 CHIMACUM, WA 98325  
**Database(s) :** [ALL SITES - WA, CSCSL HWS - WA, FRS,  
 HSL - WA, VCP - WA] **(cont.)**

**EnviroSite ID:** 6534981  
**EPA ID:** N/R

#### FRS (cont.)

##### Source Description

##### Source Description :

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

##### FRS Environmental Interest

Source and System ID : WA-FSIS - 24761

#### HSL - WA

Facility Name : LEES TRUCK REPAIR  
 Facility Address : 1520 Center Rd, Chimacum, 98325  
 County : Jefferson

##### Site Details

Facility Site ID : 24761  
 Cleanup Site ID : 2673  
 Status : Cleanup Started  
 Site Rank : N/R  
 Alternative Site Name : N/R  
 Region : N/R  
 Responsible Unit : N/R  
 Institutional Control : N/R  
 Current VCP : N/R  
 Past VCP : N/R  
 Latitude : N/R  
 Longitude : N/R  
 Electronic Document Link : [Click here for hyperlink provided by the agency.](#)  
 Last Date in Agency List : 2022-02-11

Facility Name : LEES TRUCK REPAIR  
 Facility Address : 1520 CENTER RD, CHIMACUM, 98325  
 County : Jefferson

##### Site Details

Facility Site ID : 24761  
 Cleanup Site ID : 2673  
 Status : Cleanup Started  
 Site Rank : 1 - Highest Assessed Risk  
 Alternative Site Name : LEE'S TRUCK REPAIR  
 Region : Southwest  
 Responsible Unit : Southwest  
 Institutional Control : N/R  
 Current VCP : N/R  
 Past VCP : Yes  
 Latitude : 47.985249



Map Id: 3  
 Direction: ENE  
 Distance: 0.022 mi., 114 ft.  
 Elevation: 176 ft.  
 Relative: Higher

**Site Name :** LEES TRUCK REPAIR  
 1520 CENTER RD  
 CHIMACUM, WA 98325  
**Database(s) :** [ALL SITES - WA, CSCSL HWS - WA, FRS,  
 HSL - WA, VCP - WA] **(cont.)**

**EnviroSite ID:** 6534981  
**EPA ID:** N/R

## HSL - WA (cont.)

Longitude : -122.770832  
 Electronic Document Link : [Click here for hyperlink provided by the agency.](#)  
 Last Date in Agency List : 2022-08-22

## Contaminants

Contaminant Name : Petroleum Products-Unspecified  
 Ground water : Suspected  
 Surface water : N/R  
 Soil : Confirmed Above Cleanup Levels  
 Sediment : N/R  
 Air : N/R  
 Bedrock : N/R

## VCP - WA

Facility Name : LEES TRUCK REPAIR  
 Facility Address : 1520 CENTER RD, CHIMACUM, 98325  
 County : Jefferson

Facility/Site ID : 24761  
 Alternate Name : N/R  
 Program Name : N/R  
 WRIA : 17  
 Legislative District : 24  
 Congressional District : 6  
 Ecology Region : SWRO  
 Ecology Program Phone : (360) 407-7224  
 Tribal Land : N  
 Latitude : 47.985249  
 Longitude : -122.770832  
 Last Date in Agency List : 2022-09-29

## Program Details

Program : HAZWASTE  
 Program ID : N/R  
 Interaction Type : Voluntary Cleanup Sites

Interaction Type Description : For a fee, Ecology staff will review an independent cleanup report(s) and provide a written decision about the adequacy of the cleanup actions taken and described in the report.

Status : Active  
 Start Date : 2009-05-05  
 End Date : N/R  
 SIC : N/R  
 NAICS : 811111 - General Automotive Repair

Program : HAZWASTE  
 Program ID : N/R  
 Interaction Type : Voluntary Cleanup Sites



Map Id: 3  
 Direction: ENE  
 Distance: 0.022 mi., 114 ft.  
 Elevation: 176 ft.  
 Relative: Higher

**Site Name :** LEES TRUCK REPAIR  
 1520 CENTER RD  
 CHIMACUM, WA 98325  
**Database(s) :** [ALL SITES - WA, CSCSL HWS - WA, FRS,  
 HSL - WA, VCP - WA] **(cont.)**

**EnviroSite ID:** 6534981  
**EPA ID:** N/R

## VCP - WA (cont.)

**Interaction Type Description :** For a fee, Ecology staff will review an independent cleanup report(s) and provide a written decision about the adequacy of the cleanup actions taken and described in the report.

**Status :** Active  
**Start Date :** 2009-05-05  
**End Date :** N/R  
**SIC :** N/R  
**NAICS :** N/R

Map Id: B4  
 Direction: SW  
 Distance: 0.101 mi., 536 ft.  
 Elevation: 143 ft.  
 Relative: Higher

**Site Name :** CENEX HARVEST STATES COOPERATIVES  
 | CHS NORTHWEST  
 9315 RHODODENDRON DR  
 Chimacum, WA 98325  
**Database(s) :** [UST - WA]

**EnviroSite ID:** 6609516  
**EPA ID:** N/R

## UST - WA

**Facility Name :** CENEX HARVEST STATES COOPERATIVES  
**Facility Address :** 9315 RHODODENDRON DR, Chimacum, 98325  
**County :** Jefferson

**Facility Site ID :** 39939394  
**UST Site ID :** 714  
**Tag Number(s) :** A4666  
**Responsible Unit :** SOUTHWEST  
**Is Active :** N/R  
**Latitude :** 47.980645  
**Longitude :** -122.780721  
**Last Date in Agency List :** 2016-02-02

## Tank Details

**Tank Name :** 1  
**Tank Status :** Operational  
**Install Date :** N/R  
**Tank Upgrade Date :** 1998-03-28  
**Tank Permanent Closure Date :** N/R  
**Permit Expiration Date :** 05/31/2016  
**Tank Material :** Dielectric Coated Steel  
**Tank Construction :** Single Wall Tank  
**Tank Corrosion Protection :** Impressed Current  
**Tank Manifold :** N/R  
**Tank Release Detection :** Automatic Tank Gauging  
**Tank Tightness Test :** Annual  
**Tank Spill Prevention :** Spill Bucket/Spill Box  
**Capacity Range :** 10,000 to 19,999 Gallons



Map Id: B4  
 Direction: SW  
 Distance: 0.101 mi., 536 ft.  
 Elevation: 143 ft.  
 Relative: Higher

**Site Name :** CENEX HARVEST STATES COOPERATIVES  
 | CHS NORTHWEST  
 9315 RHODODENDRON DR  
 Chimacum, WA 98325  
**Database(s) :** [UST - WA] **(cont.)**

**EnviroSite ID:** 6609516  
**EPA ID:** N/R

## UST - WA **(cont.)**

Actual Capacity :	N/R
Pipe Material :	Steel
Pipe Construction :	Single Wall Pipe
Pipe Corrosion Protection :	Impressed Current
Tank SFC :	N/R
Dispenser SFC :	N/R
Primary Pipe Release Detection :	Automatic Line Leak Detector (ALLD)
Secondary Pipe Release Detection :	N/R
Pipe Pumping System :	Pressurized System
Pipe Install Date :	N/R
Turbine Sump Construction :	N/R
Tank Status Date :	1996-08-06
Tank Install Date :	N/R
Tank Overfill Prevention :	Automatic Shutoff (fill pipe)

## Compartments Details

Compartment Number :	1
Compartment Capacity :	12000
Substance Stored :	Diesel
Used Substance :	Motor Fuel for Vehicles
Ecy Region :	N/R

## Tank Details

Tank Name :	2
Tank Status :	Operational
Install Date :	N/R
Tank Upgrade Date :	1998-03-28
Tank Permanent Closure Date :	N/R
Permit Expiration Date :	05/31/2016
Tank Material :	Dielectric Coated Steel
Tank Construction :	Single Wall Tank
Tank Corrosion Protection :	Impressed Current
Tank Manifold :	N/R
Tank Release Detection :	Automatic Tank Gauging
Tank Tightness Test :	Annual
Tank Spill Prevention :	Spill Bucket/Spill Box
Capacity Range :	10,000 to 19,999 Gallons
Actual Capacity :	N/R
Pipe Material :	Steel
Pipe Construction :	Single Wall Pipe
Pipe Corrosion Protection :	Impressed Current
Tank SFC :	N/R
Dispenser SFC :	N/R
Primary Pipe Release Detection :	Automatic Line Leak Detector (ALLD)
Secondary Pipe Release Detection :	N/R
Pipe Pumping System :	Pressurized System
Pipe Install Date :	N/R
Turbine Sump Construction :	N/R
Tank Status Date :	1996-08-06
Tank Install Date :	N/R
Tank Overfill Prevention :	Automatic Shutoff (fill pipe)



Map Id: B4  
 Direction: SW  
 Distance: 0.101 mi., 536 ft.  
 Elevation: 143 ft.  
 Relative: Higher

**Site Name :** CENEX HARVEST STATES COOPERATIVES  
 | CHS NORTHWEST  
 9315 RHODODENDRON DR  
 Chimacum, WA 98325  
**Database(s) :** [UST - WA] (**cont.**)

**Envirosite ID:** 6609516  
**EPA ID:** N/R

## UST - WA (**cont.**)

### Compartments Details

Compartment Number :	1
Compartment Capacity :	12000
Substance Stored :	Unleaded Gasoline
Used Substance :	Motor Fuel for Vehicles
Ecy Region :	N/R

### Tank Details

Tank Name :	3
Tank Status :	Operational
Install Date :	N/R
Tank Upgrade Date :	1998-03-28
Tank Permanent Closure Date :	N/R
Permit Expiration Date :	05/31/2016
Tank Material :	Dielectric Coated Steel
Tank Construction :	Single Wall Tank
Tank Corrosion Protection :	Impressed Current
Tank Manifold :	N/R
Tank Release Detection :	Automatic Tank Gauging
Tank Tightness Test :	Annual
Tank Spill Prevention :	Spill Bucket/Spill Box
Capacity Range :	10,000 to 19,999 Gallons
Actual Capacity :	N/R
Pipe Material :	Steel
Pipe Construction :	Single Wall Pipe
Pipe Corrosion Protection :	Impressed Current
Tank SFC :	N/R
Dispenser SFC :	N/R
Primary Pipe Release Detection :	Automatic Line Leak Detector (ALLD)
Secondary Pipe Release Detection :	N/R
Pipe Pumping System :	Pressurized System
Pipe Install Date :	N/R
Turbine Sump Construction :	N/R
Tank Status Date :	1996-08-06
Tank Install Date :	N/R
Tank Overfill Prevention :	Automatic Shutoff (fill pipe)

### Compartments Details

Compartment Number :	1
Compartment Capacity :	12000
Substance Stored :	Unleaded Gasoline
Used Substance :	Motor Fuel for Vehicles
Ecy Region :	N/R

### Tank Details

Tank Name :	4
Tank Status :	Operational
Install Date :	N/R
Tank Upgrade Date :	1998-03-28
Tank Permanent Closure Date :	N/R



Map Id: B4  
 Direction: SW  
 Distance: 0.101 mi., 536 ft.  
 Elevation: 143 ft.  
 Relative: Higher

**Site Name :** CENEX HARVEST STATES COOPERATIVES  
 | CHS NORTHWEST  
 9315 RHODODENDRON DR  
 Chimacum, WA 98325  
**Database(s) :** [UST - WA] **(cont.)**

**EnviroSite ID:** 6609516  
**EPA ID:** N/R

## UST - WA **(cont.)**

Permit Expiration Date :	05/31/2016
Tank Material :	Dielectric Coated Steel
Tank Construction :	Single Wall Tank
Tank Corrosion Protection :	Impressed Current
Tank Manifold :	N/R
Tank Release Detection :	Automatic Tank Gauging
Tank Tightness Test :	Annual
Tank Spill Prevention :	Spill Bucket/Spill Box
Capacity Range :	1,101 to 2,000 Gallons
Actual Capacity :	N/R
Pipe Material :	Steel
Pipe Construction :	Single Wall Pipe
Pipe Corrosion Protection :	Impressed Current
Tank SFC :	N/R
Dispenser SFC :	N/R
Primary Pipe Release Detection :	Safe Suction (No Leak Detection)
Secondary Pipe Release Detection :	N/R
Pipe Pumping System :	N/R
Pipe Install Date :	N/R
Turbine Sump Construction :	N/R
Tank Status Date :	1996-08-06
Tank Install Date :	N/R
Tank Overfill Prevention :	Automatic Shutoff (fill pipe)

## Compartments Details

Compartment Number :	1
Compartment Capacity :	2000
Substance Stored :	Kerosene
Used Substance :	Heating Fuel for Resale
Ecy Region :	N/R

Facility Name :	CHS NORTHWEST
Facility Address :	9315 RHODODENDRON DR, Chimacum, 98325
County :	Jefferson

Facility Site ID :	39939394
UST Site ID :	714
Tag Number(s) :	A4666
Responsible Unit :	Southwest
Is Active :	Yes
Latitude :	47.980645
Longitude :	-122.780721
Last Date in Agency List :	2022-09-29

## Tank Details

Tank Name :	1
Tank Status :	Operational
Install Date :	1980-09-12
Tank Upgrade Date :	1998-03-28
Tank Permanent Closure Date :	N/R



Map Id: B4  
 Direction: SW  
 Distance: 0.101 mi., 536 ft.  
 Elevation: 143 ft.  
 Relative: Higher

**Site Name :** CENEX HARVEST STATES COOPERATIVES  
 | CHS NORTHWEST  
 9315 RHODODENDRON DR  
 Chimacum, WA 98325  
  
**Database(s) :** [UST - WA] (**cont.**)

**Envirosite ID:** 6609516  
**EPA ID:** N/R

#### UST - WA (**cont.**)

Permit Expiration Date :	2023-05-31
Tank Material :	Steel
Tank Construction :	Single Wall Tank
Tank Corrosion Protection :	Impressed Current
Tank Manifold :	N/R
Tank Release Detection :	Automatic Tank Gauging
Tank Tightness Test :	N/R
Tank Spill Prevention :	Single Wall Spill Bucket
Capacity Range :	10,000 to 19,999 Gallons
Actual Capacity :	12000
Pipe Material :	Steel
Pipe Construction :	Single Wall Pipe
Pipe Corrosion Protection :	Impressed Current
Tank SFC :	Impressed Current
Dispenser SFC :	Single Wall Sump
Primary Pipe Release Detection :	Automatic Line Leak Detector (ALLD)
Secondary Pipe Release Detection :	Elec/ALLD 0.2 gph Monthly Test
Pipe Pumping System :	Pressurized System
Pipe Install Date :	N/R
Turbine Sump Construction :	N/R
Tank Status Date :	1996-08-06
Tank Install Date :	N/R
Tank Overfill Prevention :	Automatic Shutoff (fill pipe)

#### Compartments Details

Compartment Number :	1
Compartment Capacity :	12000
Substance Stored :	Diesel
Used Substance :	Motor Fuel for Vehicles
Ecy Region :	N/R

#### Tank Details

Tank Name :	2
Tank Status :	Operational
Install Date :	1980-09-12
Tank Upgrade Date :	1998-03-28
Tank Permanent Closure Date :	N/R
Permit Expiration Date :	2023-05-31
Tank Material :	Steel
Tank Construction :	Single Wall Tank
Tank Corrosion Protection :	Impressed Current
Tank Manifold :	N/R
Tank Release Detection :	Automatic Tank Gauging
Tank Tightness Test :	N/R
Tank Spill Prevention :	Single Wall Spill Bucket
Capacity Range :	10,000 to 19,999 Gallons
Actual Capacity :	12000
Pipe Material :	Steel
Pipe Construction :	Single Wall Pipe
Pipe Corrosion Protection :	Impressed Current
Tank SFC :	Impressed Current
Dispenser SFC :	Single Wall Sump



Map Id: B4  
 Direction: SW  
 Distance: 0.101 mi., 536 ft.  
 Elevation: 143 ft.  
 Relative: Higher

**Site Name :** CENEX HARVEST STATES COOPERATIVES  
 | CHS NORTHWEST  
 9315 RHODODENDRON DR  
 Chimacum, WA 98325  
**Database(s) :** [UST - WA] **(cont.)**

**EnviroSite ID:** 6609516  
**EPA ID:** N/R

## UST - WA **(cont.)**

Primary Pipe Release Detection :	Automatic Line Leak Detector (ALLD)
Secondary Pipe Release Detection :	Elec/ALLD 0.2 gph Monthly Test
Pipe Pumping System :	Pressurized System
Pipe Install Date :	N/R
Turbine Sump Construction :	N/R
Tank Status Date :	1996-08-06
Tank Install Date :	N/R
Tank Overfill Prevention :	Automatic Shutoff (fill pipe)

## Compartments Details

Compartment Number :	1
Compartment Capacity :	12000
Substance Stored :	Unleaded Gasoline
Used Substance :	Motor Fuel for Vehicles
Ecy Region :	N/R

## Tank Details

Tank Name :	3
Tank Status :	Operational
Install Date :	1982-06-21
Tank Upgrade Date :	1998-03-28
Tank Permanent Closure Date :	N/R
Permit Expiration Date :	2023-05-31
Tank Material :	Steel
Tank Construction :	Single Wall Tank
Tank Corrosion Protection :	Impressed Current
Tank Manifold :	N/R
Tank Release Detection :	Automatic Tank Gauging
Tank Tightness Test :	N/R
Tank Spill Prevention :	Single Wall Spill Bucket
Capacity Range :	10,000 to 19,999 Gallons
Actual Capacity :	12000
Pipe Material :	Steel
Pipe Construction :	Single Wall Pipe
Pipe Corrosion Protection :	Impressed Current
Tank SFC :	Impressed Current
Dispenser SFC :	Single Wall Sump
Primary Pipe Release Detection :	Automatic Line Leak Detector (ALLD)
Secondary Pipe Release Detection :	Elec/ALLD 0.2 gph Monthly Test
Pipe Pumping System :	Pressurized System
Pipe Install Date :	N/R
Turbine Sump Construction :	N/R
Tank Status Date :	1996-08-06
Tank Install Date :	N/R
Tank Overfill Prevention :	Automatic Shutoff (fill pipe)

## Compartments Details

Compartment Number :	1
Compartment Capacity :	12000
Substance Stored :	Unleaded Gasoline



Map Id: B4  
Direction: SW  
Distance: 0.101 mi., 536 ft.  
Elevation: 143 ft.  
Relative: Higher

**Site Name :** CENEX HARVEST STATES COOPERATIVES  
| CHS NORTHWEST  
9315 RHODODENDRON DR  
Chimacum, WA 98325  
**Database(s) :** [UST - WA] (**cont.**)

**EnviroSite ID:** 6609516  
**EPA ID:** N/R

#### UST - WA (**cont.**)

Used Substance : Motor Fuel for Vehicles  
Ecy Region : N/R

#### Tank Details

Tank Name :	4
Tank Status :	Operational
Install Date :	1985-02-01
Tank Upgrade Date :	1998-03-28
Tank Permanent Closure Date :	N/R
Permit Expiration Date :	2023-05-31
Tank Material :	Steel
Tank Construction :	Single Wall Tank
Tank Corrosion Protection :	Impressed Current
Tank Manifold :	N/R
Tank Release Detection :	Automatic Tank Gauging
Tank Tightness Test :	N/R
Tank Spill Prevention :	Single Wall Spill Bucket
Capacity Range :	1,101 to 2,000 Gallons
Actual Capacity :	2000
Pipe Material :	Steel
Pipe Construction :	Single Wall Pipe
Pipe Corrosion Protection :	Impressed Current
Tank SFC :	Impressed Current
Dispenser SFC :	Single Wall Sump
Primary Pipe Release Detection :	Safe Suction (No Leak Detection)
Secondary Pipe Release Detection :	N/R
Pipe Pumping System :	Safe Suction
Pipe Install Date :	N/R
Turbine Sump Construction :	N/R
Tank Status Date :	1996-08-06
Tank Install Date :	N/R
Tank Overfill Prevention :	Automatic Shutoff (fill pipe)

#### Compartments Details

Compartment Number :	1
Compartment Capacity :	2000
Substance Stored :	Kerosene
Used Substance :	Heating Fuel for Resale
Ecy Region :	N/R



Map Id: B5  
Direction: SW  
Distance: 0.114 mi., 604 ft.  
Elevation: 144 ft.  
Relative: Higher

**Site Name :** CENEX HARVEST STATES COOP  
9315 RHODEDENDREN DR  
CHIMACUM, WA 98325

**Database(s) :** [ALL SITES - WA, FRS, T 2 - WA]

**EnviroSite ID:** 6603373  
**EPA ID:** N/R

## ALL SITES - WA

Facility Name : CENEX HARVEST STATES COOP  
Facility Address : 9315 RHODEDENDREN DR, CHIMACUM, 98325  
County : N/R

Facility/Site ID : 39939394  
Alternate Name : N/R  
Program Name : N/R  
WRIA : 17  
Legislative District : 24  
Congressional District : 6  
Ecology Region : SWRO  
Ecology Program Phone : (360) 407-7224  
Tribal Land : N  
Latitude : 47.980645  
Longitude : -122.780721  
Last Date in Agency List : 2022-09-29

Facility/Site ID : 39939394  
Alternate Name : N/R  
Program Name : N/R  
WRIA : 17  
Legislative District : 24  
Congressional District : 6  
Ecology Region : SWRO  
Ecology Program Phone : (360) 407-6806  
Tribal Land : N  
Latitude : 47.980645  
Longitude : -122.780721  
Last Date in Agency List : 2022-09-29

Facility/Site ID : 39939394  
Alternate Name : N/R  
Program Name : N/R  
WRIA : 17  
Legislative District : 24  
Congressional District : 6  
Ecology Region : SWRO  
Ecology Program Phone : (360) 407-6171  
Tribal Land : N  
Latitude : 47.980645  
Longitude : -122.780721  
Last Date in Agency List : 2022-09-29

## Program Details

Program : N/R  
Program ID : N/R  
Interaction Type : Underground Storage Tank



Map Id: B5  
Direction: SW  
Distance: 0.114 mi., 604 ft.  
Elevation: 144 ft.  
Relative: Higher

**Site Name :** CENEX HARVEST STATES COOP  
9315 RHODEDENDREN DR  
CHIMACUM, WA 98325  
**Database(s) :** [ALL SITES - WA, FRS, T 2 - WA] **(cont.)**

**EnviroSite ID:** 6603373  
**EPA ID:** N/R

ALL SITES - WA **(cont.)**

Interaction Type Description : Any one or combination of tanks (including connecting underground pipes) that is used to contain regulated substances and has a tank volume of ten percent or more beneath the surface of the ground. This term does not include any of the exempt UST systems specified in WAC 173-360-110(2) or any piping connected thereto. See WAC 173-360

Status : Active  
Start Date : 1980-09-12  
End Date : N/R  
SIC : N/R  
NAICS : N/R

Program : N/R  
Program ID : N/R  
Interaction Type : Air Qual Local Authority Reg  
Interaction Type Description : Small sources governed only by local air authorities.  
Status : Active  
Start Date : 2007-01-01  
End Date : N/R  
SIC : N/R  
NAICS : N/R

Program : N/R  
Program ID : N/R  
Interaction Type : Emergency/Haz Chem Rpt TIER2

Interaction Type Description : Businesses that store 10,000 pounds or more of a hazardous chemical or 500 pounds or less, depending on the chemical, of an extremely hazardous chemical on site at any one time must report annually. Reports are sent to the State Emergency Response Commission (represented by Ecology) Local Emergency Planning Committees, and local fire departments for emergency planning. (product, not waste)

Status : Active  
Start Date : 1987-01-01  
End Date : N/R  
SIC : N/R  
NAICS : 424910 - Farm Supplies Merchant Wholesalers

Program : N/R  
Program ID : N/R  
Interaction Type : Emergency/Haz Chem Rpt TIER2

Interaction Type Description : Businesses that store 10,000 pounds or more of a hazardous chemical or 500 pounds or less, depending on the chemical, of an extremely hazardous chemical on site at any one time must report annually. Reports are sent to the State Emergency Response Commission (represented by Ecology) Local Emergency Planning Committees, and local fire departments for emergency planning. (product, not waste)

Status : Active  
Start Date : 1987-01-01  
End Date : N/R  
SIC : N/R



Map Id: B5  
Direction: SW  
Distance: 0.114 mi., 604 ft.  
Elevation: 144 ft.  
Relative: Higher

**Site Name :** CENEX HARVEST STATES COOP  
9315 RHODEDENDREN DR  
CHIMACUM, WA 98325  
**Database(s) :** [ALL SITES - WA, FRS, T 2 - WA] (**cont.**)

**Envirosite ID:** 6603373  
**EPA ID:** N/R

#### ALL SITES - WA (**cont.**)

NAICS : N/R

#### FRS

Facility Name : CENEX HARVEST STATES COOP  
Facility Address : 9315 RHODEDENDREN DR, CHIMACUM, WA 98325  
County : JEFFERSON

#### Site Details

Registry ID : 110015479846  
FRS Facility URL : [Click here for hyperlink provided by the agency.](#)  
Last Date in Agency List : 2022-08-10

#### Source Description

##### Source Description :

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

#### FRS Environmental Interest

Source and System ID : WA-FSIS - 39939394

#### T 2 - WA

Facility Name : CENEX HARVEST STATES COOP  
Facility Address : 9315 RHODEDENDREN DR, CHIMACUM, 98325  
County : N/R

Facility/Site ID : 39939394  
Alternate Name : N/R  
Program Name : N/R  
WRIA : 17  
Legislative District : 24  
Congressional District : 6  
Ecology Region : SWRO  
Ecology Program Phone : (360) 407-6171  
Tribal Land : N  
Latitude : 47.980645  
Longitude : -122.780721  
Last Date in Agency List : 2022-09-29

#### Program Details

Program : N/R  
Interaction Type : Emergency/Haz Chem Rpt TIER2



Map Id: B5  
 Direction: SW  
 Distance: 0.114 mi., 604 ft.  
 Elevation: 144 ft.  
 Relative: Higher

**Site Name :** CENEX HARVEST STATES COOP  
 9315 RHODEDENDREN DR  
 CHIMACUM, WA 98325  
**Database(s) :** [ALL SITES - WA, FRS, T 2 - WA] **(cont.)**

**EnviroSite ID:** 6603373  
**EPA ID:** N/R

## T 2 - WA (cont.)

**Interaction Type Description :** Businesses that store 10,000 pounds or more of a hazardous chemical or 500 pounds or less, depending on the chemical, of an extremely hazardous chemical on site at any one time must report annually. Reports are sent to the State Emergency Response Commission (represented by Ecology) Local Emergency Planning Committees, and local fire departments for emergency planning. (product, not waste)

**Status :** Active  
**Start Date :** 1987-01-01  
**End Date :** N/R  
**SIC :** N/R  
**NAICS :** 424910 - Farm Supplies Merchant Wholesalers

**Program :** N/R  
**Interaction Type :** Emergency/Haz Chem Rpt TIER2

**Interaction Type Description :** Businesses that store 10,000 pounds or more of a hazardous chemical or 500 pounds or less, depending on the chemical, of an extremely hazardous chemical on site at any one time must report annually. Reports are sent to the State Emergency Response Commission (represented by Ecology) Local Emergency Planning Committees, and local fire departments for emergency planning. (product, not waste)

**Status :** Active  
**Start Date :** 1987-01-01  
**End Date :** N/R  
**SIC :** N/R  
**NAICS :** N/R

Map Id: 6  
 Direction: NNE  
 Distance: 0.858 mi., 4529 ft.  
 Elevation: 135 ft.  
 Relative: Higher

**Site Name :** GERALD MAGNUSON  
 540 CENTER RD  
 CHIMACUM, WA 98325  
**Database(s) :** [ALL SITES - WA, FRS]

**EnviroSite ID:** 6601788  
**EPA ID:** N/R

## ALL SITES - WA

**Facility Name :** Gerald Magnuson  
**Facility Address :** 540 Center Rd, CHIMACUM, 98325  
**County :** Jefferson

**Facility/Site ID :** 3515  
**Alternate Name :** N/R  
**Program Name :** N/R  
**WRIA :** 17  
**Legislative District :** 24  
**Congressional District :** 6  
**Ecology Region :** SWRO  
**Ecology Program Phone :** (360) 407-6712



Map Id: 6  
Direction: NNE  
Distance: 0.858 mi., 4529 ft.  
Elevation: 135 ft.  
Relative: Higher

**Site Name :** GERALD MAGNUSON  
540 CENTER RD  
CHIMACUM, WA 98325  
**Database(s) :** [ALL SITES - WA, FRS] (*cont.*)

**EnviroSite ID:** 6601788  
**EPA ID:** N/R

ALL SITES - WA (*cont.*)

Tribal Land : N  
Latitude : 48.006934  
Longitude : -122.768575  
Last Date in Agency List : 2022-09-29

Program Details

Program : WATRES  
Program ID : N/R  
Interaction Type : Enforcement Final

Interaction Type Description : An Enforcement action (i.e. Penalty, Order, Notice) was finalized and issued to the respective party, indicating the enforcement action was taken. The start and end date listed in the database are both the date the action was issued to the responsible party.

Status : Active  
Start Date : 2009-11-02  
End Date : N/R  
SIC : N/R  
NAICS : N/R

FRS

Facility Name : GERALD MAGNUSON  
Facility Address : 540 CENTER RD, CHIMACUM, WA 98325  
County : JEFFERSON

Site Details

Registry ID : 110040120810  
FRS Facility URL : [Click here for hyperlink provided by the agency.](#)  
Last Date in Agency List : 2022-08-10

Source Description

Source Description :

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

FRS Environmental Interest

Source and System ID : WA-FSIS - 3515



<u>ENVIROSITE ID</u>	<u>NAME</u>	<u>ADDRESS</u>	<u>CITY</u>	<u>ZIP</u>	<u>DATABASE(S)</u>
<u>48343336</u>	CENTER VALLEY MARKET	5211 CENTER RD	CHIMACUM		EPA LUST
<u>48052413</u>	SpringRain Farm & Orchard...	187 Covington Dr	Chimacum	98325	SWF/LF - WA, SWTIRE ...



**FEDERAL RCRA NON-CORRACTS TSD FACILITIES LIST**

ARCHIVED RCRA TSDF: Resource Conservation and Recovery Act hazardous waste transportation storage disposal and treatment facilities

Agency Version Date: 09/19/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 12/15/2022

Agency: U.S. Environmental Protection Agency  
Agency Contact: 215-814-2469  
Most Recent Contact: 09/19/2022

RCRA\_TSDF: Resource Conservation and Recovery Act hazardous waste transportation storage disposal and treatment facilities

Agency Version Date: 09/19/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 12/15/2022

Agency: U.S. Environmental Protection Agency  
Agency Contact: 215-814-2469  
Most Recent Contact: 09/19/2022

**FEDERAL, STATE, AND TRIBAL REGISTERED STORAGE TANK LISTS**

AST PBS: Bulk petroleum terminals with a total bulk storage capacity of 50,000 barrels or more.

Agency Version Date: 11/07/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 02/02/2023

Agency: Department of Homeland Security  
Agency Contact: 202-853-5361  
Most Recent Contact: 11/07/2022

EPA UST: Facilities listed in the EPA UST Finder database

Agency Version Date: 10/21/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/17/2023

Agency: EPA  
Agency Contact: (202) 566-1667  
Most Recent Contact: 10/21/2022

FEMA UST: FEMA underground storage tank listing

Agency Version Date: 09/16/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 12/13/2022

Agency: FEMA  
Agency Contact: 202-212-5283  
Most Recent Contact: 09/16/2022

HIST INDIAN UST R6: Historical Underground Storage Tanks on Indian Land in EPA Region 6

Agency Version Date: 12/03/2021  
Agency Update Frequency: Semi Annually  
Planned Next Contact: 11/16/2022

Agency: U.S. Environmental Protection Agency Region 6  
Agency Contact: 855-246-3642  
Most Recent Contact: 08/22/2022

HIST INDIAN UST R7: Historical Underground Storage Tanks on Indian Land in EPA Region 7

Agency Version Date: 08/10/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/30/2023

Agency: U.S. Environmental Protection Agency Region 7  
Agency Contact: 855-246-3642  
Most Recent Contact: 11/03/2022

INDIAN UST R1: Underground Storage Tanks on Indian Land in EPA Region 1

Agency Version Date: 10/10/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/05/2023

Agency: U.S. Environmental Protection Agency Region 1  
Agency Contact: 855-246-3642  
Most Recent Contact: 10/10/2022

INDIAN UST R10: Underground Storage Tanks on Indian Land in EPA Region 10

Agency Version Date: 11/03/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/30/2023

Agency: U.S. Environmental Protection Agency Region 10  
Agency Contact: 855-246-3642  
Most Recent Contact: 11/03/2022



**FEDERAL, STATE, AND TRIBAL REGISTERED STORAGE TANK LISTS (cont.)****INDIAN UST R2: Underground Storage Tanks on Indian Land in EPA Region 2**

Agency Version Date: 12/07/2016  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/06/2023

Agency: U.S. Environmental Protection Agency Region 2  
Agency Contact: 855-246-3642  
Most Recent Contact: 10/11/2022

**INDIAN UST R4: Underground Storage Tanks on Indian Land in EPA Region 4**

Agency Version Date: 08/08/2022  
Agency Update Frequency: Semi Annually  
Planned Next Contact: 01/30/2023

Agency: U.S. Environmental Protection Agency Region 4  
Agency Contact: 855-246-3642  
Most Recent Contact: 11/03/2022

**INDIAN UST R5: Underground Storage Tanks on Indian Land in EPA Region 5**

Agency Version Date: 10/21/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 01/17/2023

Agency: U.S. Environmental Protection Agency Region 5  
Agency Contact: 855-246-3642  
Most Recent Contact: 10/21/2022

**INDIAN UST R6: Underground Storage Tanks on Indian Land in EPA Region 6**

Agency Version Date: 08/23/2022  
Agency Update Frequency: Semi Annually  
Planned Next Contact: 11/18/2022

Agency: U.S. Environmental Protection Agency Region 6  
Agency Contact: 855-246-3642  
Most Recent Contact: 08/23/2022

**INDIAN UST R7: Underground Storage Tanks on Indian Land in EPA Region 7**

Agency Version Date: 10/21/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 01/17/2023

Agency: U.S. Environmental Protection Agency Region 7  
Agency Contact: 855-246-3642  
Most Recent Contact: 10/21/2022

**INDIAN UST R8: Underground Storage Tanks on Indian Land in EPA Region 8**

Agency Version Date: 10/06/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/02/2023

Agency: U.S. Environmental Protection Agency Region 8  
Agency Contact: 855-246-3642  
Most Recent Contact: 10/06/2022

**INDIAN UST R9: Underground Storage Tanks on Indian Land in EPA Region 9**

Agency Version Date: 10/06/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/02/2023

Agency: U.S. Environmental Protection Agency Region 9  
Agency Contact: 855-246-3642  
Most Recent Contact: 10/06/2022

**AST - WA: Registered Aboveground Storage Tanks**

Agency Version Date: 09/27/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 12/23/2022

Agency: Department of Ecology  
Agency Contact: (360) 407-7455  
Most Recent Contact: 09/27/2022

**UST - WA: Registered Underground Storage Tanks**

Agency Version Date: 09/27/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 12/23/2022

Agency: Department of Ecology  
Agency Contact: (360) 407-7382  
Most Recent Contact: 09/27/2022



**FEDERAL CERCLIS LIST**

CERCLIS NFRAP: The CERCLIS sites with No Further Remedial Action Planned from the CERCLIS program database. The Environmental Protection Agency decommissioned the CERCLIS data in 2014. The last update was November 12, 2013.

Agency Version Date: 07/22/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/13/2023

Agency: U.S. Environmental Protection Agency  
Agency Contact: 800-424-9346  
Most Recent Contact: 10/18/2022

CERCLIS-HIST: The CERCLIS program database contains information on the assessment and remediation of federal hazardous waste sites. The Environmental Protection Agency decommissioned the CERCLIS data in 2014. The last update was November 12, 2013.

Agency Version Date: 07/22/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/13/2023

Agency: U.S. Environmental Protection Agency  
Agency Contact: 800-424-9346  
Most Recent Contact: 10/18/2022

EPA SAA: Listing of Sites with Superfund Alternative Approach Agreements.

Agency Version Date: 11/01/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/17/2023

Agency: U.S. Environmental Protection Agency  
Agency Contact: 800-424-9346  
Most Recent Contact: 10/19/2022

FEDERAL FACILITY: Sites where Federal Facilities Restoration and Reuse Office (FFRRO) arranged cleanup for Base Closure and Property Transfer at Federal Facilities

Agency Version Date: 07/22/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 01/13/2023

Agency: U.S. Environmental Protection Agency  
Agency Contact: 703-603-8712  
Most Recent Contact: 10/18/2022

SEMS\_8R\_ACTIVE SITES: The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted. NPL sites include latitude and longitude information. For non-NPL sites, a brief site status is provided.

Agency Version Date: 07/22/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/13/2023

Agency: U.S. Environmental Protection Agency  
Agency Contact: 703-603-8867  
Most Recent Contact: 10/18/2022

SEMS\_8R\_ARCHIVED SITES: The Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time.

Agency Version Date: 07/22/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/13/2023

Agency: U.S. Environmental Protection Agency  
Agency Contact: 703-603-8867  
Most Recent Contact: 10/18/2022

**FEDERAL RCRA CORRACTS FACILITIES LIST**

CORRACTS: List of facilities where Resource Conservation and Recovery Act Corrective Action Program used to investigate and remediate hazardous releases

Agency Version Date: 09/19/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 12/15/2022

Agency: U.S. Environmental Protection Agency  
Agency Contact: 202-566-1667  
Most Recent Contact: 09/19/2022

HIST CORRACTS 2: List of facilities where Resource Conservation and Recovery Act Corrective Action Program used to investigate and remediate hazardous releases that are no longer in current agency list.

Agency Version Date: 10/12/2018  
Agency Update Frequency: Annually  
Planned Next Contact: 11/14/2022

Agency: U.S. Environmental Protection Agency  
Agency Contact: 202-566-1667  
Most Recent Contact: 08/17/2022



**FEDERAL DELISTED NPL SITE LIST**

DELISTED NPL: National Priority List of sites that were delisted and no longer require action

Agency Version Date: 07/22/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/13/2023

Agency: U.S. Environmental Protection Agency  
Agency Contact: 703-603-8867  
Most Recent Contact: 10/18/2022

DELISTED PROPOSED NPL: Sites that have been delisted from the proposed National Priority List

Agency Version Date: 07/22/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/13/2023

Agency: U.S. Environmental Protection Agency  
Agency Contact: 703-603-8867  
Most Recent Contact: 10/18/2022

SEMS\_DELETED NPL: All Deleted National Priority List Sites

Agency Version Date: 07/22/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/13/2023

Agency: U.S. Environmental Protection Agency  
Agency Contact: 703-603-8867  
Most Recent Contact: 10/18/2022

**FEDERAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS**

EPA LF MOP: Sites in the EPA Landfill Methane Outreach Program

Agency Version Date: 09/16/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 12/13/2022

Agency: U.S. Environmental Protection Agency  
Agency Contact: 703-603-8867  
Most Recent Contact: 09/16/2022

**FEDERAL, STATE, AND TRIBAL LEAKING STORAGE TANK LISTS**

EPA LUST: Releases listed in the EPA UST Finder database

Agency Version Date: 10/21/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/17/2023

Agency: EPA  
Agency Contact: (202) 566-1667  
Most Recent Contact: 10/21/2022

HIST INDIAN LUST R4: Historical Leaking Underground Storage Tanks on Indian Land in EPA Region 4

Agency Version Date: 08/23/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/30/2023

Agency: U.S. Environmental Protection Agency Region 4  
Agency Contact: 855-246-3642  
Most Recent Contact: 11/03/2022

HIST INDIAN LUST R8: Historical Leaking Underground Storage Tanks on Indian Land in EPA Region 8

Agency Version Date: 08/16/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/20/2023

Agency: U.S. Environmental Protection Agency Region 8  
Agency Contact: 855-246-3642  
Most Recent Contact: 10/26/2022

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land in EPA Region 1

Agency Version Date: 07/14/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/05/2023

Agency: U.S. Environmental Protection Agency Region 1  
Agency Contact: 855-246-3642  
Most Recent Contact: 10/10/2022

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land in EPA Region 10

Agency Version Date: 11/03/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/30/2023

Agency: U.S. Environmental Protection Agency Region 10  
Agency Contact: 855-246-3642  
Most Recent Contact: 11/03/2022



**FEDERAL, STATE, AND TRIBAL LEAKING STORAGE TANK LISTS (cont.)**

## INDIAN LUST R2: Leaking Underground Storage Tanks on Indian Land in EPA Region 2

Agency Version Date: 12/07/2016  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/06/2023

Agency: U.S. Environmental Protection Agency Region 2  
Agency Contact: 855-246-3642  
Most Recent Contact: 10/11/2022

## INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land in EPA Region 4

Agency Version Date: 08/08/2022  
Agency Update Frequency: Semi Annually  
Planned Next Contact: 01/30/2023

Agency: U.S. Environmental Protection Agency Region 4  
Agency Contact: 855-246-3642  
Most Recent Contact: 11/03/2022

## INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land in EPA Region 5

Agency Version Date: 10/21/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 01/17/2023

Agency: U.S. Environmental Protection Agency Region 5  
Agency Contact: 855-246-3642  
Most Recent Contact: 10/21/2022

## INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land in EPA Region 6

Agency Version Date: 10/24/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/19/2023

Agency: U.S. Environmental Protection Agency Region 6  
Agency Contact: 855-246-3642  
Most Recent Contact: 10/24/2022

## INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land in EPA Region 7

Agency Version Date: 10/21/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 01/17/2023

Agency: U.S. Environmental Protection Agency Region 7  
Agency Contact: 855-246-3642  
Most Recent Contact: 10/21/2022

## INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land in EPA Region 8

Agency Version Date: 10/25/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/20/2023

Agency: U.S. Environmental Protection Agency Region 8  
Agency Contact: 855-246-3642  
Most Recent Contact: 10/25/2022

## INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land in EPA Region 9

Agency Version Date: 10/06/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/02/2023

Agency: U.S. Environmental Protection Agency Region 9  
Agency Contact: 855-246-3642  
Most Recent Contact: 10/06/2022

## LUST - WA: Underground Storage Tank with releases

Agency Version Date: 09/26/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 12/22/2022

Agency: Department of Ecology  
Agency Contact: (360) 407-7382  
Most Recent Contact: 09/26/2022

**FEDERAL ERNS LIST**

## ERNS: Emergency Response Notification System records of reported spills

Agency Version Date: 10/13/2022  
Agency Update Frequency: Annually  
Planned Next Contact: 01/09/2023

Agency: National Response Center United States Coast Guard  
Agency Contact: N/R  
Most Recent Contact: 10/13/2022



**FEDERAL INSTITUTIONAL CONTROLS / ENGINEERING CONTROLS REGISTRIES**

FED E C: Federal listing of remediation sites with engineering controls

Agency Version Date: 08/16/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 02/06/2023

Agency: U.S. Environmental Protection Agency  
Agency Contact: 800-424-9346  
Most Recent Contact: 11/10/2022

FED I C: Federal listing of remediation sites with institutional controls

Agency Version Date: 08/16/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 02/06/2023

Agency: U.S. Environmental Protection Agency  
Agency Contact: 800-424-9346  
Most Recent Contact: 11/10/2022

RCRA IC\_EC: Sites with institutional or engineering controls related to Resource Conservation and Recovery Act

Agency Version Date: 07/29/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 01/20/2023

Agency: U.S. Environmental Protection Agency  
Agency Contact: 215-814-2469  
Most Recent Contact: 10/25/2022

**FEDERAL RCRA GENERATORS LIST**

HIST RCRA\_CESQG: List of Resource Conservation and Recovery Act licensed conditionally exempt small quantity generators that are no longer in current agency list.

Agency Version Date: 10/12/2018  
Agency Update Frequency: Annually  
Planned Next Contact: 11/14/2022

Agency: U.S. Environmental Protection Agency  
Agency Contact: 215-814-2469  
Most Recent Contact: 08/17/2022

HIST RCRA\_LQG: List of Resource Conservation and Recovery Act licensed large quantity generators that are no longer in current agency list.

Agency Version Date: 10/12/2018  
Agency Update Frequency: Annually  
Planned Next Contact: 11/14/2022

Agency: U.S. Environmental Protection Agency  
Agency Contact: 215-814-2469  
Most Recent Contact: 08/17/2022

HIST RCRA\_NONGEN: List of Resource Conservation and Recovery Act licensed non-generators that are no longer in current agency list.

Agency Version Date: 10/12/2018  
Agency Update Frequency: Annually  
Planned Next Contact: 11/14/2022

Agency: U.S. Environmental Protection Agency  
Agency Contact: 215-814-2469  
Most Recent Contact: 08/17/2022

HIST RCRA\_SQG: List of Resource Conservation and Recovery Act licensed small quantity generators that are no longer in current agency list.

Agency Version Date: 10/12/2018  
Agency Update Frequency: Annually  
Planned Next Contact: 11/14/2022

Agency: U.S. Environmental Protection Agency  
Agency Contact: 215-814-2469  
Most Recent Contact: 08/17/2022

RCRA\_LQG: Resource Conservation and Recovery Act listing of licensed large quantity generators

Agency Version Date: 09/19/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 12/15/2022

Agency: U.S. Environmental Protection Agency  
Agency Contact: 215-814-2469  
Most Recent Contact: 09/19/2022

RCRA\_NONGEN: Resource Conservation and Recovery Act listing of licensed non-generators

Agency Version Date: 09/19/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 12/15/2022

Agency: U.S. Environmental Protection Agency  
Agency Contact: 215-814-2469  
Most Recent Contact: 09/19/2022



**FEDERAL RCRA GENERATORS LIST (cont.)**

RCRA\_SQG: Resource Conservation and Recovery Act listing of licensed small quantity generators

Agency Version Date: 09/19/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 12/15/2022

Agency: U.S. Environmental Protection Agency  
Agency Contact: 215-814-2469  
Most Recent Contact: 09/19/2022

RCRA\_VSQG: Resource Conservation and Recovery Act listing of licensed very small quantity generators.

Agency Version Date: 09/19/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 12/15/2022

Agency: U.S. Environmental Protection Agency  
Agency Contact: 215-814-2469  
Most Recent Contact: 09/19/2022

**FEDERAL NPL SITE LIST**

NPL: List of priority contaminated sites among identified releases or threatened releases of hazardous substances pollutants or contaminants nationally

Agency Version Date: 07/22/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/13/2023

Agency: U.S. Environmental Protection Agency  
Agency Contact: 703-603-8867  
Most Recent Contact: 10/18/2022

NPL EPA R1 GIS: Geospatial data for the Environmental Protection Agency Region 1 National Priority List subject to environmental regulation

Agency Version Date: 07/22/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/13/2023

Agency: U.S. Environmental Protection Agency  
Agency Contact: 202-566-2132  
Most Recent Contact: 10/18/2022

NPL EPA R3 GIS: Geospatial data for the Environmental Protection Agency Region 3 National Priority List subject to environmental regulation

Agency Version Date: 07/22/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/13/2023

Agency: U.S. Environmental Protection Agency  
Agency Contact: 202-566-2132  
Most Recent Contact: 10/18/2022

NPL EPA R6 GIS: Geospatial data for the Environmental Protection Agency Region 6 National Priority List subject to environmental regulation

Agency Version Date: 07/22/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/13/2023

Agency: U.S. Environmental Protection Agency  
Agency Contact: 202-566-2132  
Most Recent Contact: 10/18/2022

NPL EPA R8 GIS: Geospatial data for the Environmental Protection Agency Region 8 National Priority List subject to environmental regulation

Agency Version Date: 07/22/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/13/2023

Agency: U.S. Environmental Protection Agency  
Agency Contact: 202-566-2132  
Most Recent Contact: 10/18/2022

NPL EPA R9 GIS: Geospatial data for the Environmental Protection Agency Region 9 National Priority List subject to environmental regulation

Agency Version Date: 07/22/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/13/2023

Agency: U.S. Environmental Protection Agency  
Agency Contact: 202-566-2132  
Most Recent Contact: 10/18/2022



**FEDERAL NPL SITE LIST (cont.)**

PART NPL: Sites that are a part of an National Priority List site referred to as the parent site

Agency Version Date: 07/22/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/13/2023

Agency: U.S. Environmental Protection Agency  
Agency Contact: 703-603-8867  
Most Recent Contact: 10/18/2022

PROPOSED NPL: Sites that have been proposed for the National Priority List

Agency Version Date: 07/22/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/13/2023

Agency: U.S. Environmental Protection Agency  
Agency Contact: 703-603-8867  
Most Recent Contact: 10/18/2022

SEMS\_FINAL NPL: All Included National Priority List Sites

Agency Version Date: 07/22/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/13/2023

Agency: U.S. Environmental Protection Agency  
Agency Contact: 703-603-8867  
Most Recent Contact: 10/18/2022

SEMS\_PROPOSED NPL: All Proposed National Priority List Sites

Agency Version Date: 07/22/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/13/2023

Agency: U.S. Environmental Protection Agency  
Agency Contact: 703-603-8867  
Most Recent Contact: 10/18/2022

**STATE AND TRIBAL BROWNFIELD SITES**

TRIBAL BROWNFIELDS: Tribal brownfield remediation site listing

Agency Version Date: 12/10/2017  
Agency Update Frequency: No Longer Maintained  
Planned Next Contact: 12/02/2022

Agency: U.S. Environmental Protection Agency  
Agency Contact: 855-246-3642  
Most Recent Contact: 09/05/2022

BROWNFIELDS - WA: List of brownfield sites

Agency Version Date: 08/31/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 11/28/2022

Agency: Department of Ecology  
Agency Contact: (360) 407-6000  
Most Recent Contact: 08/31/2022

HIST BROWNFIELDS - WA: Historical list of brownfield sites

Agency Version Date: 04/22/2019  
Agency Update Frequency: No Longer Maintained  
Planned Next Contact: 01/09/2023

Agency: Department of Ecology  
Agency Contact: (360) 407-6000  
Most Recent Contact: 10/13/2022

**STATE- AND TRIBAL - EQUIVALENT CERCLIS**

CSCSL HWS - WA: Confirmed and suspected contaminated sites list: Hazardous Waste sites

Agency Version Date: 08/30/2022  
Agency Update Frequency: Semi Annually  
Planned Next Contact: 11/25/2022

Agency: Department of Ecology  
Agency Contact: (360) 407-6700  
Most Recent Contact: 08/30/2022

CSCSL NFA - WA: Confirmed and Suspected Contaminated Sites list given the ""No Further Action""

Agency Version Date: 09/01/2022  
Agency Update Frequency: Semi Annually  
Planned Next Contact: 11/28/2022

Agency: Department of Ecology  
Agency Contact: (360) 407-6700  
Most Recent Contact: 09/01/2022



**STATE- AND TRIBAL - EQUIVALENT CERCLIS (cont.)**

HSL - WA: Listing of Hazardous Sites

Agency Version Date: 07/20/2022  
Agency Update Frequency: Semi Annually  
Planned Next Contact: 01/10/2023

Agency: Department of Ecology  
Agency Contact: (360) 407-7199  
Most Recent Contact: 10/14/2022

ICR - WA: Cleanup conducted without order from state

Agency Version Date: 09/27/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 12/23/2022

Agency: Department of Ecology  
Agency Contact: (360) 407-7244  
Most Recent Contact: 09/27/2022

**STATE AND TRIBAL VOLUNTARY CLEANUP SITES**

HIST VCP - WA: List of Voluntary Cleanup Program Sites that are no longer in current agency list.

Agency Version Date: 01/08/2019  
Agency Update Frequency: Annually  
Planned Next Contact: 12/28/2022

Agency: Department of Ecology  
Agency Contact: (360) 407-7244  
Most Recent Contact: 10/03/2022

VCP - WA: Voluntary Cleanup Program Sites

Agency Version Date: 09/27/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 12/23/2022

Agency: Department of Ecology  
Agency Contact: (360) 407-7244  
Most Recent Contact: 09/27/2022

**STATE AND TRIBAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS**

SWF/LF - WA: State landfill locations

Agency Version Date: 09/09/2022  
Agency Update Frequency: Annually  
Planned Next Contact: 12/06/2022

Agency: Department of Ecology  
Agency Contact: (360) 407-6755  
Most Recent Contact: 09/09/2022

**LOCAL LISTS OF LANDFILL / SOLID WASTE DISPOSAL SITES**

HIST INDIAN ODI R8: List of Region 8 Indian land open dump inventory sites maintained within the STARS program that is no longer in current agency list.

Agency Version Date: 11/12/2018  
Agency Update Frequency: Annually  
Planned Next Contact: 12/23/2022

Agency: Indian Health Service  
Agency Contact: 855-246-3642  
Most Recent Contact: 09/28/2022

INDIAN ODI R8: Region 8 Indian land open dump inventory sites maintained within the STARS program

Agency Version Date: 07/21/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 01/12/2023

Agency: Indian Health Service  
Agency Contact: 855-246-3642  
Most Recent Contact: 10/17/2022

ODI: Open dump inventory sites

Agency Version Date: 10/03/2017  
Agency Update Frequency: No Update  
Planned Next Contact: 01/27/2023

Agency: U.S. Environmental Protection Agency  
Agency Contact: 855-246-3642  
Most Recent Contact: 11/01/2022

TRIBAL ODI: Indian land open dump inventory for all regions

Agency Version Date: 08/15/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 11/11/2022

Agency: Indian Health Service  
Agency Contact: 301-443-3593  
Most Recent Contact: 08/15/2022



**LOCAL LISTS OF LANDFILL / SOLID WASTE DISPOSAL SITES (cont.)**

ABANDONED LF\_KING COUNTY - WA: King County Landfill report survey from 1985 for the twenty four designated sites

Agency Version Date: 11/26/2017

Agency Update Frequency: No Longer Maintained

Planned Next Contact: 01/11/2023

Agency: Seattle-King County Department of Public Health

Agency Contact: 206-296-4785

Most Recent Contact: 10/17/2022

ABANDONED LF\_SEATTLE - WA: Seattle abandoned landfill study from 1984 for the twelve designated sites

Agency Version Date: 11/17/2017

Agency Update Frequency: No Longer Maintained

Planned Next Contact: 01/11/2023

Agency: Seattle-King County Department of Public Health

Agency Contact: 206-296-4785

Most Recent Contact: 10/17/2022

SWRCY - WA: Recycling centers list

Agency Version Date: 09/09/2022

Agency Update Frequency: Quarterly

Planned Next Contact: 12/06/2022

Agency: Department of Ecology

Agency Contact: (360) 407-6755

Most Recent Contact: 09/09/2022

SWTIRE - WA: Sites licensed as a Waste Tire Storage site and/or Waste Tire Carrier

Agency Version Date: 07/12/2021

Agency Update Frequency: Quarterly

Planned Next Contact: 12/20/2022

Agency: Department of Ecology

Agency Contact: (360) 407-6250

Most Recent Contact: 09/23/2022

SWTIRE 2 - WA: Sites licensed as a Waste Tire Storage site and/or Waste Tire Carrier.

Agency Version Date: 08/12/2022

Agency Update Frequency: Quarterly

Planned Next Contact: 02/06/2023

Agency: Department of Ecology

Agency Contact: (800) 732-9253

Most Recent Contact: 11/08/2022

SWTIRE 3 - WA: Sites licensed as a Waste Tire Storage site and/or Waste Tire Carrier.

Agency Version Date: 01/31/2022

Agency Update Frequency: Quarterly

Planned Next Contact: 01/09/2023

Agency: Department of Ecology

Agency Contact: N/R

Most Recent Contact: 10/12/2022

TACOMA PIERCE COUNTY - WA: Closed LF survey for Tacoma Pierce County

Agency Version Date: 05/17/2021

Agency Update Frequency: No update

Planned Next Contact: 01/19/2023

Agency: Tacoma-Pierce County Health Department

Agency Contact: 206-296-4785

Most Recent Contact: 10/24/2022

**LOCAL BROWNFIELD LISTS**

BROWNFIELDS-ACRES: EPA Brownfields Assessment, Cleanup and Redevelopment Exchange System.

Agency Version Date: 09/01/2022

Agency Update Frequency: Quarterly

Planned Next Contact: 11/28/2022

Agency: U.S. Environmental Protection Agency

Agency Contact: 855-246-3642

Most Recent Contact: 09/01/2022

FED BROWNFIELDS: Federal brownfield remediation sites

Agency Version Date: 07/18/2022

Agency Update Frequency: Semi Annually

Planned Next Contact: 01/09/2023

Agency: U.S. Environmental Protection Agency

Agency Contact: 855-246-3642

Most Recent Contact: 10/13/2022



**LOCAL LISTS OF HAZARDOUS WASTE / CONTAMINATED SITES**

FED CDL: The U.S. Department of Justice listing of clandestine drug lab locations

Agency Version Date: 10/03/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 12/29/2022

Agency: U.S. Department of Justice  
Agency Contact: 202-307-7610  
Most Recent Contact: 10/03/2022

US HIST CDL: The U.S. Department of Justice historical listing of clandestine drug lab locations

Agency Version Date: 08/05/2019  
Agency Update Frequency: Quarterly  
Planned Next Contact: 02/01/2023

Agency: U.S. Department of Justice  
Agency Contact: 202-307-7610  
Most Recent Contact: 11/07/2022

CDL - WA: Listing of individual Property Notices filed with the Clandestine Drug Lab Program

Agency Version Date: 10/14/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 01/12/2023

Agency: Department of Health  
Agency Contact: (360) 236-3385  
Most Recent Contact: 10/14/2022

**RECORDS OF EMERGENCY RELEASE REPORTS**

HMIRS (DOT): Hazardous Material spills reported by the Department of Transportation

Agency Version Date: 09/09/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 12/06/2022

Agency: U.S. Department of Transportation  
Agency Contact: (202) 366-4996  
Most Recent Contact: 09/09/2022

HIST SPILLS - WA: Historical list of reported chemical spills

Agency Version Date: 12/27/2017  
Agency Update Frequency: No Longer Maintained  
Planned Next Contact: 11/18/2022

Agency: Department of Ecology  
Agency Contact: N/R  
Most Recent Contact: 08/24/2022

SPILLS - WA: List of reported chemical spills

Agency Version Date: 09/09/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 12/06/2022

Agency: Department of Ecology  
Agency Contact: (360) 407-7455  
Most Recent Contact: 09/09/2022

**LOCAL LAND RECORDS**

LIENS 2: Comprehensive Environmental Response Compensation and Liability Act sites with liens

Agency Version Date: 05/11/2017  
Agency Update Frequency: No Longer Maintained  
Planned Next Contact: 12/05/2022

Agency: U.S. Environmental Protection Agency  
Agency Contact: 800-424-9346  
Most Recent Contact: 09/07/2022

**OTHER ASCERTAINABLE RECORDS**

AFS: Air Facility Systems Quarterly Extract

Agency Version Date: 10/20/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/16/2023

Agency: Environmental Protection Agency  
Agency Contact: (202) 566-1667  
Most Recent Contact: 10/20/2022

ALT FUELING: Alternative Fueling Stations by fuel type.

Agency Version Date: 09/16/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 12/13/2022

Agency: U.S. Department of Energy  
Agency Contact: N/R  
Most Recent Contact: 09/16/2022



## OTHER ASCERTAINABLE RECORDS (cont.)

### ARENAS: List of Arenas and Sport Venues

Agency Version Date: 11/04/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 01/31/2023

Agency: DHS Homeland Infrastructure Foundation  
Agency Contact: N/R  
Most Recent Contact: 11/04/2022

### ARENAS 2: List of Convention Centers and Fairgrounds

Agency Version Date: 11/04/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 01/31/2023

Agency: DHS Homeland Infrastructure Foundation  
Agency Contact: N/R  
Most Recent Contact: 11/04/2022

### BRS: Reporting of hazardous waste generation and management from large quantity generators

Agency Version Date: 09/19/2022  
Agency Update Frequency: Biennial  
Planned Next Contact: 12/15/2022

Agency: Environmental Protection Agency  
Agency Contact: (202) 566-1667  
Most Recent Contact: 09/19/2022

### CDC HAZDAT: The Agency for Toxic Substances and Disease Registry's Hazardous Substance Release/Health Effects Database.

Agency Version Date: 07/22/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 01/13/2023

Agency: Agency for Toxic Substances and Disease Registry  
Agency Contact: 770-488-6399  
Most Recent Contact: 10/18/2022

### CHURCHES: List of places of worship

Agency Version Date: 08/11/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 02/02/2023

Agency: DHS Homeland Infrastructure Foundation  
Agency Contact: N/R  
Most Recent Contact: 11/07/2022

### COAL ASH DOE: List of existing and planned generators with 1 megawatt or greater of combined capacity that are utilizing coal ash impoundments.

Agency Version Date: 09/05/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 12/01/2022

Agency: Department of Energy  
Agency Contact: (202) 586-8800  
Most Recent Contact: 09/05/2022

### COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

Agency Version Date: 02/18/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 01/19/2023

Agency: Environmental Protection Agency  
Agency Contact: (202) 566-1667  
Most Recent Contact: 10/24/2022

### COAL GAS: Manufactured Gas Plant locations

Agency Version Date: 09/27/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 12/23/2022

Agency: U.S. Environmental Protection Agency  
Agency Contact: 855-246-3642  
Most Recent Contact: 09/27/2022

### COLLEGES: List of major Universities & Colleges

Agency Version Date: 10/07/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 01/05/2023

Agency: DHS Homeland Infrastructure Foundation  
Agency Contact: N/R  
Most Recent Contact: 10/07/2022

### COLLEGES 2: List of Universities & Colleges

Agency Version Date: 10/10/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 01/06/2023

Agency: DHS Homeland Infrastructure Foundation  
Agency Contact: N/R  
Most Recent Contact: 10/10/2022



**OTHER ASCERTAINABLE RECORDS (cont.)**

CONSENT (DECREES): Legal decisions regarding responsibility for Superfund locations

Agency Version Date: 07/22/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 01/13/2023

Agency: Environmental Protection Agency  
Agency Contact: (800) 424-9346  
Most Recent Contact: 10/18/2022

CORRECTIVE ACTIONS\_2020: In 2009 the EPA created the 2020 Corrective Action Baseline list of contaminated or potentially contaminated sites with a cleanup goal to complete 95% by the year 2020. The names on the list indicate the facility owners who may or may not have caused the contamination.

Agency Version Date: 12/21/2018  
Agency Update Frequency: No Longer Maintained  
Planned Next Contact: 01/06/2023

Agency: U.S. Environmental Protection Agency  
Agency Contact: N/R  
Most Recent Contact: 10/11/2022

DAYCARE: List of Daycare facilities

Agency Version Date: 10/07/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 01/03/2023

Agency: DHS Homeland Infrastructure Foundation  
Agency Contact: N/R  
Most Recent Contact: 10/07/2022

DEBRIS EPA LF: EPA list of designated landfill facilities for the safe disposal of disaster debris.

Agency Version Date: 10/04/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 12/29/2022

Agency: U.S. Environmental Protection Agency  
Agency Contact: 855-246-3642  
Most Recent Contact: 10/04/2022

DEBRIS EPA SWRCY: EPA list of facilities for the safe recovery, recycling, and disposal of disaster debris.

Agency Version Date: 10/04/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 12/29/2022

Agency: U.S. Environmental Protection Agency  
Agency Contact: 855-246-3642  
Most Recent Contact: 10/04/2022

DOD: Department of Defense sites from the Protected Areas Database (PAD-US)

Agency Version Date: 07/22/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 01/13/2023

Agency: United States Geologic Survey (USGS)  
Agency Contact: 1-888-275-8747  
Most Recent Contact: 10/18/2022

DOT OPS: Incident Data Report

Agency Version Date: 08/08/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 01/30/2023

Agency: U.S. Department of Transportation  
Agency Contact: (202) 366-4996  
Most Recent Contact: 11/03/2022

ECHO: ECHO is EPA Enforcement and Compliance History Online website to search for facilities in your community to assess their compliance with environmental regulations related to CAA, CWA, RCRA, & SDWA.

Agency Version Date: 09/12/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 12/09/2022

Agency: U.S. Environmental Protection Agency  
Agency Contact: 202-566-1667  
Most Recent Contact: 09/12/2022

ENOI: The Electronic Notice of Intent (eNOI) database contains construction sites and industrial facilities that submit permit requests to EPA for Construction General Permits (CGP) and Multi-Sector General Permits (MSGP).

Agency Version Date: 03/19/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 11/24/2022

Agency: Environmental Protection Agency  
Agency Contact: (202) 566-1667  
Most Recent Contact: 08/29/2022



**OTHER ASCERTAINABLE RECORDS (cont.)**

EPA FUELS: List of companies and facilities registered to participate in EPA Fuel Programs under Title 40 CFR Part 80.

Agency Version Date: 10/24/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/19/2023

Agency: U.S. Environmental Protection Agency  
Agency Contact: (202) 564-2307  
Most Recent Contact: 10/24/2022

EPA OSC: Listing of oil spills and hazardous substance release sites requiring EPA On-Site Coordinators.

Agency Version Date: 09/06/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 12/02/2022

Agency: U.S. Environmental Protection Agency  
Agency Contact: (202) 564-2307  
Most Recent Contact: 09/06/2022

EPA WATCH: The EPA Watch List was used to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. EPA maintained the lists from 2011 - 2013.

Agency Version Date: 02/09/2018  
Agency Update Frequency: No Longer Maintained  
Planned Next Contact: 12/05/2022

Agency: U.S. Environmental Protection Agency  
Agency Contact: (202) 564-2307  
Most Recent Contact: 09/07/2022

FA HWF: Hazardous Waste Facilities with Financial Assurance

Agency Version Date: 09/26/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 12/22/2022

Agency: Environmental Protection Agency  
Agency Contact: (800) 424-9346  
Most Recent Contact: 09/26/2022

FEDLAND: Federal Lands from the Protected Areas Database (PAD-US)

Agency Version Date: 10/18/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 01/13/2023

Agency: United States Geologic Survey (USGS)  
Agency Contact: 1-888-275-8747  
Most Recent Contact: 10/18/2022

FRS: Facility Registry Systems

Agency Version Date: 08/02/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 01/24/2023

Agency: Environmental Protection Agency  
Agency Contact: (202) 566-1667  
Most Recent Contact: 10/28/2022

FTTS: Tracking of administrative and enforcement activities related to FIFRA/TSCA

Agency Version Date: 04/06/2013  
Agency Update Frequency: No Longer Maintained  
Planned Next Contact: 12/19/2022

Agency: Environmental Protection Agency  
Agency Contact: (202) 564-2280  
Most Recent Contact: 09/22/2022

FTTS INSP: Tracking of inspections related to FIFRA/TSCA

Agency Version Date: 05/08/2017  
Agency Update Frequency: No Longer Maintained  
Planned Next Contact: 12/12/2022

Agency: Environmental Protection Agency  
Agency Contact: (202) 564-2280  
Most Recent Contact: 09/15/2022

FUDS: Defense sites that require cleanup

Agency Version Date: 10/27/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 01/24/2023

Agency: US Army Corps of Engineering  
Agency Contact: (202) 761-0011  
Most Recent Contact: 10/27/2022



**OTHER ASCERTAINABLE RECORDS (cont.)**

GOV MANSIONS: List of Governors Mansions

Agency Version Date: 11/04/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 01/31/2023

Agency: DHS Homeland Infrastructure Foundation  
Agency Contact: N/R  
Most Recent Contact: 11/04/2022

HIST AFS: List of Air Facility Systems Quarterly Extract that are no longer in current agency list.

Agency Version Date: 09/05/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 12/02/2022

Agency: Environmental Protection Agency  
Agency Contact: (202) 566-1667  
Most Recent Contact: 09/05/2022

HIST AFS 2: List of Air Facility Systems Quarterly Extract that are no longer in current agency list.

Agency Version Date: 11/26/2018  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/02/2023

Agency: Environmental Protection Agency  
Agency Contact: (202) 566-1667  
Most Recent Contact: 10/06/2022

HIST DOD: Department of Defense historical sites

Agency Version Date: 07/22/2022  
Agency Update Frequency: No Longer Maintained  
Planned Next Contact: 01/13/2023

Agency: Environmental Protection Agency  
Agency Contact: (800) 424-9346  
Most Recent Contact: 10/18/2022

HIST LEAD\_SMELTER: List of former lead smelter sites that is no longer in current agency list.

Agency Version Date: 12/12/2018  
Agency Update Frequency: Annually  
Planned Next Contact: 12/19/2022

Agency: Environmental Protection Agency  
Agency Contact: (202) 566-1667  
Most Recent Contact: 09/22/2022

HIST MLTS: List of sites in possession/use of radioactive materials regulated by NRC that is no longer in current agency list.

Agency Version Date: 07/13/2016  
Agency Update Frequency: Annually  
Planned Next Contact: 12/28/2022

Agency: Nuclear Regulatory Commission  
Agency Contact: (800) 397-4209  
Most Recent Contact: 10/03/2022

HIST PCB TRANS: List of PCB Disposal Facilities that are no longer in current agency list.

Agency Version Date: 01/18/2018  
Agency Update Frequency: No Update  
Planned Next Contact: 01/18/2023

Agency: Environmental Protection Agency  
Agency Contact: (703) 308-8404  
Most Recent Contact: 10/24/2022

HIST PCS ENF: List of permitted facilities to discharge wastewater (Federal equivalent to NPDES) that are no longer in current agency list.

Agency Version Date: 12/08/2018  
Agency Update Frequency: Annually  
Planned Next Contact: 01/31/2023

Agency: Environmental Protection Agency  
Agency Contact: (202) 564-6582  
Most Recent Contact: 11/04/2022

HIST PCS FACILITY: List of Permitted facilities to discharge wastewater (Federal equivalent to NPDES) that are no longer in current agency list.

Agency Version Date: 12/18/2018  
Agency Update Frequency: Annually  
Planned Next Contact: 01/31/2023

Agency: Environmental Protection Agency  
Agency Contact: (202) 564-6582  
Most Recent Contact: 11/04/2022



## OTHER ASCERTAINABLE RECORDS (cont.)

HIST SSTS: List of tracking of facilities who produce pesticides and their quantity that are no longer in current agency list.

Agency Version Date: 02/13/2019  
Agency Update Frequency: Annually  
Planned Next Contact: 01/19/2023

Agency: Environmental Protection Agency  
Agency Contact: (202) 566-1667  
Most Recent Contact: 10/26/2022

HOSPITALS: List of major Hospitals

Agency Version Date: 10/07/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 01/05/2023

Agency: DHS Homeland Infrastructure Foundation  
Agency Contact: N/R  
Most Recent Contact: 10/07/2022

HWC DOCKET: Listing of Federal facilities which are managing or have managed hazardous waste; or have had a release of hazardous waste.

Agency Version Date: 10/25/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/20/2023

Agency: U.S. Environmental Protection Agency  
Agency Contact: (202) 564-2307  
Most Recent Contact: 10/25/2022

ICIS: Comprised of all Federal Administrative and Judicial enforcement information [intended to replace PCS] by tracking enforcement and compliance information (also contains what used to be known as FFTS)

Agency Version Date: 09/16/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 12/13/2022

Agency: Environmental Protection Agency  
Agency Contact: (202) 566-1667  
Most Recent Contact: 09/16/2022

INACTIVE PCS: Inactive Permitted facilities to discharge wastewater

Agency Version Date: 09/16/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 12/13/2022

Agency: Environmental Protection Agency  
Agency Contact: (202) 564-6582  
Most Recent Contact: 09/16/2022

INDIAN RESERVATION: American Indian Lands from the Protected Areas Database (PAD-US)

Agency Version Date: 10/18/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 01/13/2023

Agency: United States Geologic Survey (USGS)  
Agency Contact: 1-888-275-8747  
Most Recent Contact: 10/18/2022

LUCIS: Land Use Control Information Systems

Agency Version Date: 09/14/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 12/12/2022

Agency: Department of the Navy: BRAC PMO  
Agency Contact: (619) 532-0900  
Most Recent Contact: 09/14/2022

LUCIS 2: Land Use Control Information Systems

Agency Version Date: 01/17/2018  
Agency Update Frequency: No Longer Maintained  
Planned Next Contact: 01/18/2023

Agency: Department of the Navy: BRAC PMO  
Agency Contact: (619) 532-0900  
Most Recent Contact: 10/24/2022

MANIFEST EPA: EPA Hazardous Waste Electronic Manifest System (e-Manifest)

Agency Version Date: 08/02/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/24/2023

Agency: Environmental Protection Agency  
Agency Contact: (202) 566-1667  
Most Recent Contact: 10/28/2022



**OTHER ASCERTAINABLE RECORDS (cont.)**

MINE OPERATIONS: Mine plants and operations for commodities monitored by the National Minerals Information Center of the USGS

Agency Version Date: 11/01/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 01/27/2023

Agency: USGS Mineral Resources Program  
Agency Contact: (703) 648-5953  
Most Recent Contact: 11/01/2022

MINES: Mines Master Index Files

Agency Version Date: 09/19/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 12/15/2022

Agency: Department of Labor  
Agency Contact: (202) 693-9400  
Most Recent Contact: 09/19/2022

MINES USGS: Listing of all active mines and mineral plants in 2003

Agency Version Date: 08/05/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 01/27/2023

Agency: USGS Mineral Resources Program  
Agency Contact: (703) 648-5953  
Most Recent Contact: 11/01/2022

MLTS: Sites in possession/use of radioactive materials regulated by NRC

Agency Version Date: 07/15/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 01/11/2023

Agency: Nuclear Regulatory Commission  
Agency Contact: (800) 397-4209  
Most Recent Contact: 10/13/2022

NPL AOC: Areas of Concern related to NPL remediation sites

Agency Version Date: 07/22/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/13/2023

Agency: Environmental Protection Agency  
Agency Contact: N/R  
Most Recent Contact: 10/18/2022

NPL LIENS: National Priority List of sites with Liens

Agency Version Date: 07/22/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 01/13/2023

Agency: U.S. Environmental Protection Agency  
Agency Contact: 703-603-8867  
Most Recent Contact: 10/18/2022

NURSING HOMES: List of Nursing Homes

Agency Version Date: 10/06/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 01/02/2023

Agency: DHS Homeland Infrastructure Foundation  
Agency Contact: N/R  
Most Recent Contact: 10/06/2022

OSHA: OSHA's listing of inspections violations and fatality information

Agency Version Date: 06/20/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 12/12/2022

Agency: Occupational Safety & Health Administration  
Agency Contact: 800-321-6742  
Most Recent Contact: 09/15/2022

PADS: Listing of generators transporters commercial store/ brokers and disposers of PCB

Agency Version Date: 10/18/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 01/13/2023

Agency: Environmental Protection Agency  
Agency Contact: (703) 308-8404  
Most Recent Contact: 10/18/2022

PCB TRANSFORMER: Disposal and Storage of Polychlorinated Biphenyl (PCB) Waste

Agency Version Date: 08/05/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/27/2023

Agency: Environmental Protection Agency  
Agency Contact: (703) 308-8404  
Most Recent Contact: 11/01/2022



## OTHER ASCERTAINABLE RECORDS (cont.)

PCS ENF: Permitted facilities to discharge wastewater (Federal equivalent to NPDES)

Agency Version Date: 09/16/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 12/13/2022

Agency: Environmental Protection Agency  
Agency Contact: (202) 564-6582  
Most Recent Contact: 09/16/2022

PCS FACILITY: Permitted facilities to discharge wastewater (Federal equivalent to NPDES)

Agency Version Date: 09/16/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 12/13/2022

Agency: Environmental Protection Agency  
Agency Contact: (202) 564-6582  
Most Recent Contact: 09/16/2022

PFAS NPL: List of NPL sites with PFAS or PFOA contamination

Agency Version Date: 10/17/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/12/2023

Agency: U.S. Environmental Protection Agency  
Agency Contact: 703-603-8867  
Most Recent Contact: 10/17/2022

PFAS TRIS: List of TRIS sites where PFAS or PFOA are used/manufactured/ treated/ transported/released.

Agency Version Date: 09/16/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 12/13/2022

Agency: U.S. Environmental Protection Agency  
Agency Contact: (202) 566-1667  
Most Recent Contact: 09/16/2022

PFAS UCMR3: List of PWS wells sampled for Unregulated Contaminant Monitoring Rule (UCMR)

Agency Version Date: 06/02/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 11/24/2022

Agency: U.S. Environmental Protection Agency  
Agency Contact: 703-603-8867  
Most Recent Contact: 08/29/2022

PRISONS: List of Prison facilities

Agency Version Date: 09/02/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 11/29/2022

Agency: DHS Homeland Infrastructure Foundation  
Agency Contact: N/R  
Most Recent Contact: 09/02/2022

RAATS: Listing of major violators with enforcement actions issued under RCRA. Includes administrative and civil actions filed by the EPA. This dataset is no longer maintained.

Agency Version Date: 09/23/2019  
Agency Update Frequency: Varies  
Planned Next Contact: 01/04/2023

Agency: Environmental Protection Agency  
Agency Contact: (202) 566-1667  
Most Recent Contact: 10/10/2022

RADINFO: EPA regulated facilities with radiation and radioactive materials

Agency Version Date: 08/01/2019  
Agency Update Frequency: Varies  
Planned Next Contact: 12/22/2022

Agency: Environmental Protection Agency  
Agency Contact: (202) 566-1667  
Most Recent Contact: 09/26/2022

RMP: Facilities producing/handling/ process/ distribute/ store specific chemicals report plans required by the Clean Air Act

Agency Version Date: 04/01/2022  
Agency Update Frequency: Monthly  
Planned Next Contact: 12/21/2022

Agency: Environmental Protection Agency  
Agency Contact: (202) 564-2534  
Most Recent Contact: 09/23/2022

ROD: Permanent remedy at an NPL site

Agency Version Date: 07/22/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 01/13/2023

Agency: Environmental Protection Agency  
Agency Contact: (800) 424-9346  
Most Recent Contact: 10/18/2022



## OTHER ASCERTAINABLE RECORDS (cont.)

### SCHOOLS PRIVATE: List of Private Schools

Agency Version Date: 10/07/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 01/05/2023

Agency: DHS Homeland Infrastructure Foundation  
Agency Contact: N/R  
Most Recent Contact: 10/07/2022

### SCHOOLS PUBLIC: List of Public Schools

Agency Version Date: 10/07/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 01/05/2023

Agency: DHS Homeland Infrastructure Foundation  
Agency Contact: N/R  
Most Recent Contact: 10/07/2022

### SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners

Agency Version Date: 08/23/2022  
Agency Update Frequency: No Update  
Planned Next Contact: 11/18/2022

Agency: Environmental Protection Agency  
Agency Contact: (202) 566-1667  
Most Recent Contact: 08/23/2022

SEMS\_SMELTER: This report includes sites that have smelting-related, or potentially smelting-related, indicators in the SEMS database. The report includes information on the site location as well as contaminants of concern.

Agency Version Date: 07/22/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/13/2023

Agency: U.S. Environmental Protection Agency  
Agency Contact: 703-603-8867  
Most Recent Contact: 10/18/2022

### SSTS: Tracking of facilities who produce pesticides and their quantity

Agency Version Date: 08/29/2022  
Agency Update Frequency: Annually  
Planned Next Contact: 11/24/2022

Agency: Environmental Protection Agency  
Agency Contact: (202) 566-1667  
Most Recent Contact: 08/29/2022

### STORMWATER: Permitted storm water sites

Agency Version Date: 09/09/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 12/06/2022

Agency: Environmental Protection Agency  
Agency Contact: (202) 566-1667  
Most Recent Contact: 09/09/2022

### TOSCA-PLANT: Plants controlled by the Toxic Substance Control Act

Agency Version Date: 09/05/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 12/01/2022

Agency: Environmental Protection Agency  
Agency Contact: (202) 566-1667  
Most Recent Contact: 09/05/2022

TRIS: Information regarding toxic chemicals that are being used/manufactured/ treated/ transported/released into the environment

Agency Version Date: 09/16/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 12/13/2022

Agency: Environmental Protection Agency  
Agency Contact: (202) 566-1667  
Most Recent Contact: 09/16/2022

### UMTRA: Uranium Recovery Sites

Agency Version Date: 06/21/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 12/13/2022

Agency: United States Nuclear Regulatory Commission  
Agency Contact: (301) 415-8200  
Most Recent Contact: 09/16/2022



## OTHER ASCERTAINABLE RECORDS (cont.)

### VAPOR: EPA Vapor Intrusion Database

Agency Version Date: 03/19/2021  
Agency Update Frequency: Varies  
Planned Next Contact: 11/25/2022

Agency: U.S. Environmental Protection Agency  
Agency Contact: 855-246-3642  
Most Recent Contact: 08/30/2022

### ALL SITES - WA: All remediation site listings

Agency Version Date: 09/27/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 12/23/2022

Agency: Department of Ecology  
Agency Contact: (360) 407-7244  
Most Recent Contact: 09/27/2022

### COAL MINES - WA: Coal Mine Inventory

Agency Version Date: 10/12/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/09/2023

Agency: Washington State Department of Natural Resources  
Agency Contact: N/R  
Most Recent Contact: 10/12/2022

### EMI - WA: Washington Emissions Data System

Agency Version Date: 08/29/2022  
Agency Update Frequency: Annually  
Planned Next Contact: 11/24/2022

Agency: Department of Ecology  
Agency Contact: (360) 407-6880  
Most Recent Contact: 08/29/2022

### ENVCVN - WA: List of remediation sites with environmental covenants.

Agency Version Date: 10/14/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/12/2023

Agency: Department of Ecology  
Agency Contact: (360) 407-7244  
Most Recent Contact: 10/14/2022

### FA 1 - WA: FA for Hazardous Waste Facilities

Agency Version Date: 09/26/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 12/22/2022

Agency: Department of Ecology  
Agency Contact: 360.407.6754  
Most Recent Contact: 09/26/2022

### INACTIVE MINES - WA: Location information of inactive and abandoned mine lands

Agency Version Date: 08/30/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 11/25/2022

Agency: Department of Natural Resources  
Agency Contact: 360.902.1452  
Most Recent Contact: 08/30/2022

### MINES - WA: Location information of recorded mines

Agency Version Date: 08/29/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 11/24/2022

Agency: Department of Natural Resources  
Agency Contact: 360.902.1452  
Most Recent Contact: 08/29/2022

### PFAS - WA: List of PFAS contaminated sites

Agency Version Date: 09/23/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 12/20/2022

Agency: Washington State Department of Ecology  
Agency Contact: N/R  
Most Recent Contact: 09/23/2022

### PFAS AFFF - WA: List of PFAS contaminated sites

Agency Version Date: 07/29/2022  
Agency Update Frequency: Quarterly  
Planned Next Contact: 01/25/2023

Agency: Washington State Department of Ecology  
Agency Contact: N/R  
Most Recent Contact: 10/27/2022



## OTHER ASCERTAINABLE RECORDS (cont.)

SNOHOMISH SWS - WA: Solid Waste sites in Snohomish District

Agency Version Date: 08/23/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 11/18/2022

Agency: Seattle-King County Department of Public Health  
Agency Contact: 206-296-4785  
Most Recent Contact: 08/23/2022

T 2 - WA: facilities who must submit a hazardous chemical inventory report

Agency Version Date: 09/27/2022  
Agency Update Frequency: Varies  
Planned Next Contact: 12/23/2022

Agency: Department of Ecology  
Agency Contact: (360) 407-6700  
Most Recent Contact: 09/27/2022

UIC - WA: Regulated Underground Injection Controlled wells

Agency Version Date: 10/27/2021  
Agency Update Frequency: Quarterly  
Planned Next Contact: 12/27/2022

Agency: Department of Ecology  
Agency Contact: (360) 407-6143  
Most Recent Contact: 09/29/2022



**SUBJECT PROPERTY ADDRESS:**

Short Family Farm  
1594, 2330, 1720 Center Road  
Chimacum, WA 98325

**SUBJECT PROPERTY COORDINATES:**

Latitude(North):	47.984674 - 47°59'4.8"
Longitude(West):	-122.776229 - -122°46'34.4"
Universal Transverse Mercator:	Zone 10N
UTM X (Meters):	516697.25
UTM Y (Meters):	5314621.04

**ELEVATION:**

Elevation: 126 ft. above sea level

**USGS TOPOGRAPHIC MAP:**

Subject Property Map:	47122-H7 Center, WA
Most Recent Revision:	2020

**GEOHYDROLOGY DATA:****SUBJECT PROPERTY TOPOGRAPHY:**

Topographic Gradient: East

**DFIRM FLOOD ZONE:**

	DFIRM Flood
Subject Property County:	Electronic Data:
JEFFERSON	Yes - refer to the PROPERTY PROXIMITY MAP and AREA MAP
Flood Plain Panel at Subject Property:	53031C0460C (Eff. date 6/7/2019)
Additional Panels in search area:	53031C0145C (Eff. date 6/7/2019) 53031C0480C (Eff. date 6/7/2019) 53029C0400F (Eff. date 3/7/2017) 53035C0025F (Eff. date 2/3/2017)

**FEMA FLOOD ZONE:**

	FEMA Flood
Subject Property County:	Electronic Data:
JEFFERSON	Yes - refer to the PROPERTY PROXIMITY MAP and AREA MAP
Flood Plain Panel at Subject Property:	5300690435B
Additional Panels in search area:	5300690170B 5300690455B



**NATIONAL WETLAND INVENTORY:**

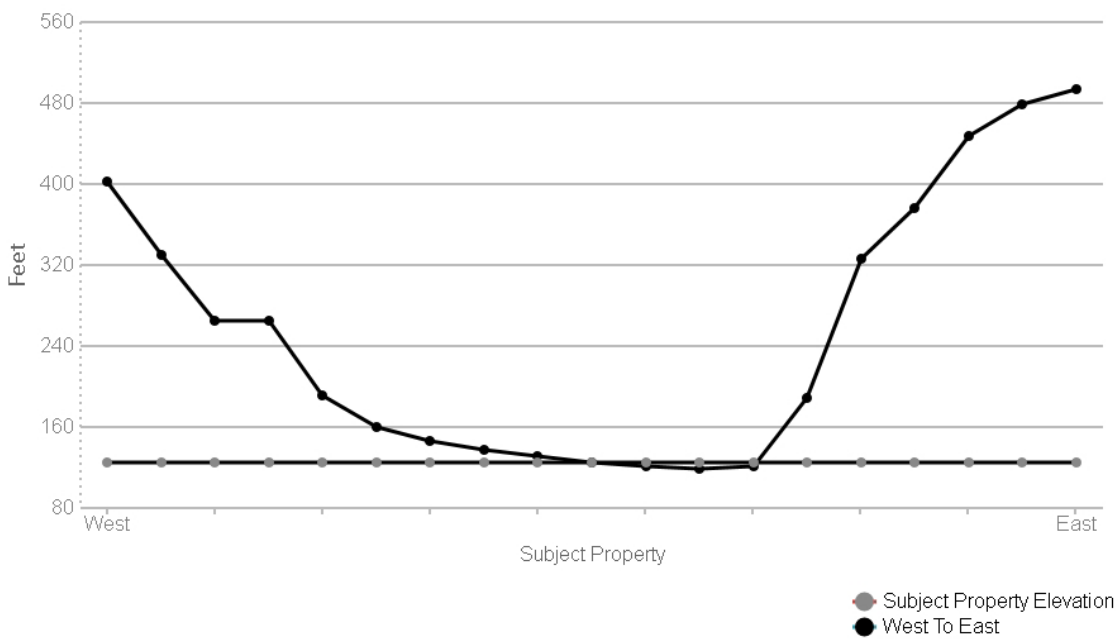
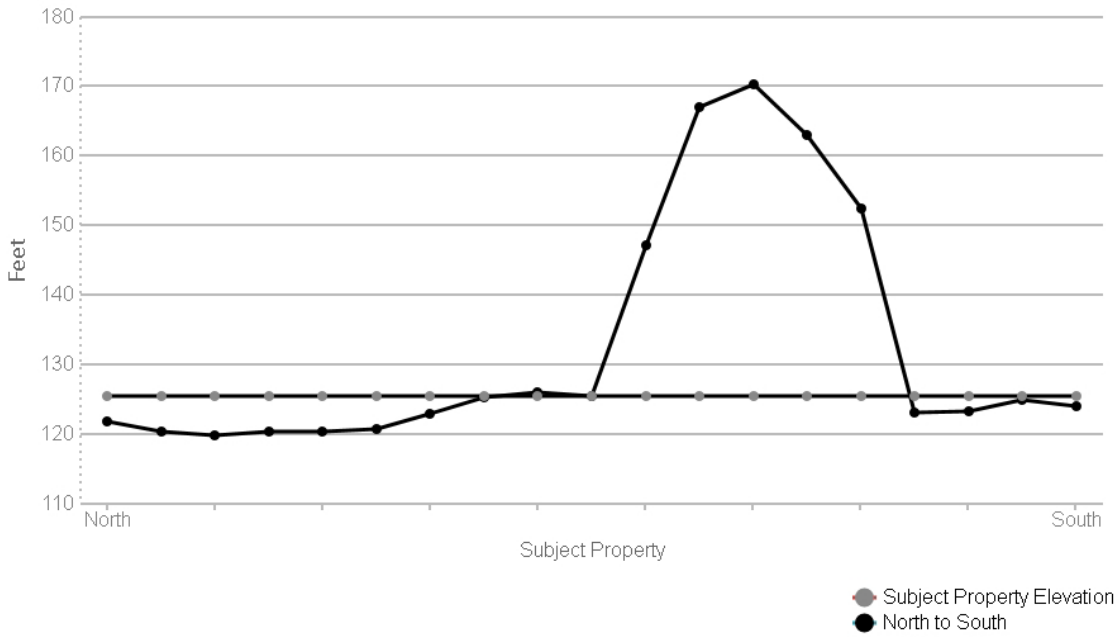
	NWI Electronic
<u>NWI Quad at Subject Property:</u>	<u>Data Coverage:</u>
Center	Yes - refer to the Geological Findings Map

**LITHOSTRATIGRAPHIC INFORMATION:****ROCK STRATIGRAPHIC UNIT:****GEOLOGIC AGE IDENTIFICATION**

Era:	Cenozoic	Category: 27 Te Eocene
System:	Tertiary	
Series:	Eocene	
Code:	Te	



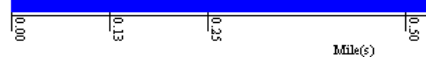
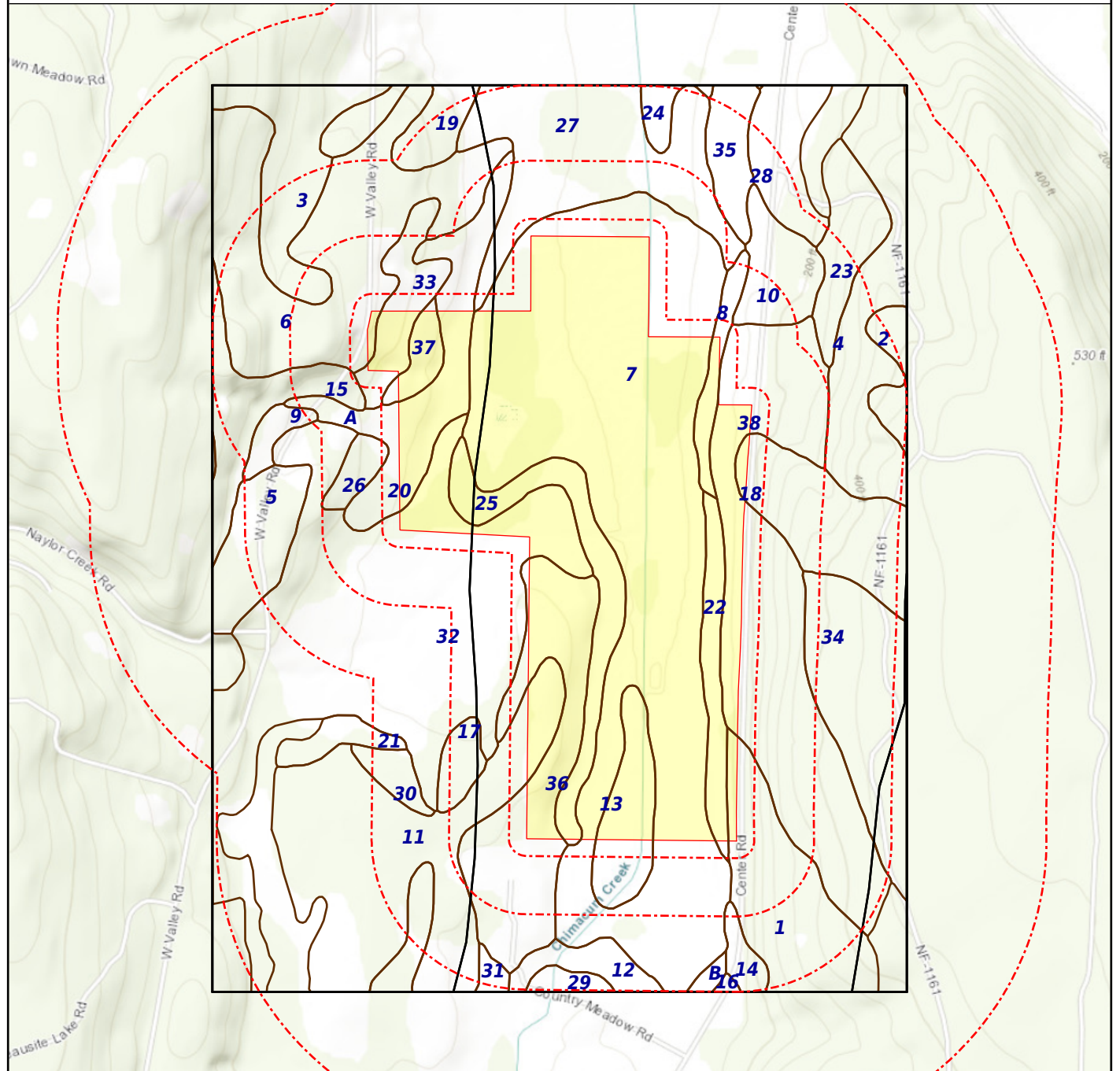
**SURROUNDING ELEVATION PROFILES:**





SUBJECT NAME: Short Family Farm  
 ADDRESS: 1594, 2330, 1720 Center Road, Chimacum, W...  
 LAT/LONG: 47.984674 / -122.776229

PREPARED FOR: ADESA Environmental Services  
 ORDER #: 80452  
 REPORT DATE: November 10, 2022



+ Subject Property

— SSURGO

— STATSGO



## SOIL COMPOSITION IN GENERAL AREA OF SUBJECT PROPERTY:

Agency source: Soil Conservation Service, US Department of Agriculture

### SOIL MAP ID 1

### SSURGO

USDA Soil Name	Kitsap, Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C
Soil Drainage Class	Moderately well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-10	Silt loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	5.6-6
2	10-81	Silt loam	Silt-Clay materials (more than 35% passing No. 200), clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	6.1-6.5
3	81-152	Silt loam	Silt-Clay materials (more than 35% passing No. 200), clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and	0.42-1.4	6.1-6.5



Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
3	81-152	Silt loam	Transportation Officials, 1984.	the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.42-1.4	6.1-6.5

## SOIL MAP ID 2

## SSURGO

USDA Soil Name	Cassolary, Series
USDA Soil Texture	Sandy loam
Hydrologic Soil Group	C
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-8	Sandy loam	Granular materials (35% or less passing No. 200), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	5.1-5.5
2	8-58	Sandy loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	5.6-6



Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
3	58-124	Fine sandy loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.4-4	5.6-6.5
4	124-152	Sand	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	6.6-7.3

**SOIL MAP ID 3****SSURGO**

USDA Soil Name	Cassolary, Series
USDA Soil Texture	Sandy loam
Hydrologic Soil Group	C
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-8	Sandy loam	Granular materials (35% or less passing No. 200), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size	4-14	5.1-5.5



Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-8	Sandy loam	construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	5.1-5.5
2	8-58	Sandy loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	5.6-6
3	58-124	Fine sandy loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.4-4	5.6-6.5
4	124-152	Sand	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	6.6-7.3



## SOIL MAP ID 4

## SSURGO

USDA Soil Name	Cassolary, Series
USDA Soil Texture	Sandy loam
Hydrologic Soil Group	C
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-8	Sandy loam	Granular materials (35% or less passing No. 200), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	5.1-5.5
2	8-58	Sandy loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	5.6-6
3	58-124	Fine sandy loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.4-4	5.6-6.5
4	124-152	Sand	Granular materials	COARSE-GRAINED SOILS,	4-14	6.6-7.3



Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
4	124-152	Sand	(35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	6.6-7.3

**SOIL MAP ID 5****SSURGO**

USDA Soil Name	Everett, Series
USDA Soil Texture	Sandy loam
Hydrologic Soil Group	A
Soil Drainage Class	Somewhat excessively drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-15	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.6-6
2	15-41	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size	42-141	5.6-6



Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
2	15-41	Sandy loam	M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	42-141	5.6-6
3	41-152	Coarse sand	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	141-705	6.1-6.5

**SOIL MAP ID 6**
**SSURGO**

USDA Soil Name	Alderwood, Series
USDA Soil Texture	Sandy loam
Hydrologic Soil Group	B
Soil Drainage Class	Moderately well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-8	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.6-6



Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
2	8-76	Loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.6-6.5
3	76-152	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.01-0.42	5.6-6

**SOIL MAP ID 7****SSURGO**

USDA Soil Name	Semiahmoo, Series
USDA Soil Texture	Not Reported
Hydrologic Soil Group	B/D
Soil Drainage Class	Very poorly drained
Hydric Classification	100
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-41		Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and	Highly organic soils, Peat. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size	4-14	0-0



Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-41		Transportation Officials, 1984.	distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	0-0
2	41-137		Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Highly organic soils, Peat. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	0-0
3	137-140	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.4-4	0-0
4	140-152		Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Highly organic soils, Peat. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	0-0



**SOIL MAP ID 8**
**SSURGO**

USDA Soil Name	Everett, Series
USDA Soil Texture	Sandy loam
Hydrologic Soil Group	A
Soil Drainage Class	Somewhat excessively drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-15	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984).	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.6-6
2	15-41	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984).	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	42-141	5.6-6
3	41-152	Coarse sand	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984).	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	141-705	6.1-6.5



**SOIL MAP ID 9****SSURGO**

USDA Soil Name	Alderwood, Series
USDA Soil Texture	Sandy loam
Hydrologic Soil Group	B
Soil Drainage Class	Moderately well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-8	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.6-6
2	8-76	Loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.6-6.5
3	76-152	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM	0.01-0.42	5.6-6



Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
3	76-152	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	test D 2487, in ASTM, 1984).	0.01-0.42	5.6-6

**SOIL MAP ID 10****SSURGO**

USDA Soil Name	Alderwood, Series
USDA Soil Texture	Sandy loam
Hydrologic Soil Group	B
Soil Drainage Class	Moderately well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-8	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.6-6
2	8-76	Loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size	14-42	5.6-6.5



Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
2	8-76	Loam	M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.6-6.5
3	76-152	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.01-0.42	5.6-6

**SOIL MAP ID 11****SSURGO**

USDA Soil Name	Sinclair, Series
USDA Soil Texture	Sandy loam
Hydrologic Soil Group	B/D
Soil Drainage Class	Moderately well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-20	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM,	14-42	5.6-6



Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-20	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	1984).	14-42	5.6-6
2	20-64	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.6-6
3	64-152	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.01-0.42	5.6-6



**SOIL MAP ID 12****SSURGO**

USDA Soil Name	Swantown, Series
USDA Soil Texture	Sandy loam
Hydrologic Soil Group	D
Soil Drainage Class	Somewhat poorly drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-13	Sandy loam	Granular materials (35% or less passing No. 200), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.1-5.5
2	13-33	Loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.1-5.5
3	33-56	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM,	14-42	5.6-6



Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
3	33-56	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984).	1984).	14-42	5.6-6
4	56-152	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984).	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.01-0.42	5.1-5.5

**SOIL MAP ID 13****SSURGO**

USDA Soil Name	Snohomish, Series
USDA Soil Texture	Silty clay loam
Hydrologic Soil Group	C/D
Soil Drainage Class	Poorly drained
Hydric Classification	100
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-13	Silty clay loam	Silt-Clay materials (more than 35% passing No. 200), clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Organic Clay or Organic Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75	1.4-4	5.6-6



Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-13	Silty clay loam	Transportation Officials, 1984.	mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.4-4	5.6-6
2	13-43	Silty clay	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.4-4	6.1-6.5
3	43-99		Silt-Clay materials (more than 35% passing No. 200), clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Organic Clay or Organic Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.4-4	5.6-6
4	99-152		Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Highly organic soils, Peat. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	5.6-6



**SOIL MAP ID 14****SSURGO**

USDA Soil Name	Alderwood, Series
USDA Soil Texture	Sandy loam
Hydrologic Soil Group	B
Soil Drainage Class	Moderately well drained
Hydric Classification	5
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-18	Sandy loam	Granular materials (35% or less passing No. 200), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.1-6
2	18-53	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.1-6
3	53-75	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM,	14-42	5.1-6



Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
3	53-75	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	1984).	14-42	5.1-6
4	75-89	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.1-6
5	89-109	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.42-1.4	5.6-6.5
6	109-150	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in	0.01-0.42	5.6-6.5



Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
6	109-150	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	organic matter (ASTM test D 2487, in ASTM, 1984).	0.01-0.42	5.6-6.5

**SOIL MAP ID 15**

**SSURGO**

USDA Soil Name	Cassolary, Series
USDA Soil Texture	Sandy loam
Hydrologic Soil Group	C
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-8	Sandy loam	Granular materials (35% or less passing No. 200), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	5.1-5.5
2	8-58	Sandy loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials,	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in	4-14	5.6-6



Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
2	8-58	Sandy loam	1984.	organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	5.6-6
3	58-124	Fine sandy loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.4-4	5.6-6.5
4	124-152	Sand	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	6.6-7.3

## SOIL MAP ID 16

## SSURGO

USDA Soil Name	Alderwood, Series
USDA Soil Texture	Sandy loam
Hydrologic Soil Group	B
Soil Drainage Class	Moderately well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High



Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-8	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.6-6
2	8-76	Loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.6-6.5
3	76-152	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.01-0.42	5.6-6



**SOIL MAP ID 17****SSURGO**

USDA Soil Name	McMurray, Series
USDA Soil Texture	Not Reported
Hydrologic Soil Group	B/D
Soil Drainage Class	Very poorly drained
Hydric Classification	90
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-15		Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984).	Highly organic soils, Peat. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	0-0
2	15-152		Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984).	Highly organic soils, Peat. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	0-0

**SOIL MAP ID 18****SSURGO**

USDA Soil Name	Alderwood, Series
USDA Soil Texture	Sandy loam
Hydrologic Soil Group	B
Soil Drainage Class	Moderately well drained
Hydric Classification	5
Corrosion Potential - Uncoated Steel	High



Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-18	Sandy loam	Granular materials (35% or less passing No. 200), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.1-6
2	18-53	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.1-6
3	53-75	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.1-6
4	75-89	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in	14-42	5.1-6



Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
4	75-89	Sandy loam	Transportation Officials, 1984.	organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.1-6
5	89-109	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.42-1.4	5.6-6.5
6	109-150	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.01-0.42	5.6-6.5

**SOIL MAP ID 19**
**SSURGO**

USDA Soil Name	Swantown, Series
USDA Soil Texture	Loam
Hydrologic Soil Group	D
Soil Drainage Class	Somewhat poorly drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High



Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-13	Loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	5.1-5.5
2	13-33	Loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.1-5.5
3	33-56	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.6-6
4	56-152	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM,	0.01-0.42	5.1-5.5



Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
4	56-152	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	1984).	0.01-0.42	5.1-5.5

**SOIL MAP ID 20****SSURGO**

USDA Soil Name	Everett, Series
USDA Soil Texture	Sandy loam
Hydrologic Soil Group	A
Soil Drainage Class	Somewhat excessively drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-15	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.6-6
2	15-41	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75	42-141	5.6-6



Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
2	15-41	Sandy loam	of State Highway and Transportation Officials, 1984.	mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	42-141	5.6-6
3	41-152	Coarse sand	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	141-705	6.1-6.5

**SOIL MAP ID 21****SSURGO**

USDA Soil Name	Kitsap, Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C
Soil Drainage Class	Moderately well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-10	Silt loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM,	4-14	5.6-6



Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-10	Silt loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	1984).	4-14	5.6-6
2	10-81	Silt loam	Silt-Clay materials (more than 35% passing No. 200), clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	6.1-6.5
3	81-152	Silt loam	Silt-Clay materials (more than 35% passing No. 200), clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.42-1.4	6.1-6.5



## SOIL MAP ID 22

## SSURGO

USDA Soil Name	Semiahmoo, Series
USDA Soil Texture	Not Reported
Hydrologic Soil Group	C/D
Soil Drainage Class	Very poorly drained
Hydric Classification	100
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-30		Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984).	Highly organic soils, Peat. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	0-0
2	30-91		Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984).	Highly organic soils, Peat. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	0-0
3	91-152	Loamy sand	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984).	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.4-4	0-0



**SOIL MAP ID 23**
**SSURGO**

USDA Soil Name	Cassolary, Series
USDA Soil Texture	Sandy loam
Hydrologic Soil Group	C
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-8	Sandy loam	Granular materials (35% or less passing No. 200), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	5.1-5.5
2	8-58	Sandy loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	5.6-6
3	58-124	Fine sandy loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.4-4	5.6-6.5
4	124-152	Sand	Granular materials	COARSE-GRAINED SOILS,	4-14	6.6-7.3



Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
4	124-152	Sand	(35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	6.6-7.3

**SOIL MAP ID 24****SSURGO**

USDA Soil Name	Belfast variant,Variant
USDA Soil Texture	Silty clay loam
Hydrologic Soil Group	C/D
Soil Drainage Class	Poorly drained
Hydric Classification	95
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-23	Silty clay loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	6.1-7.3
2	23-51	Loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size	4-14	6.1-7.3



Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
2	23-51	Loam	of State Highway and Transportation Officials, 1984.	distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	6.1-7.3
3	51-152	Clay loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.4-4	6.1-7.3

**SOIL MAP ID 25****SSURGO**

USDA Soil Name	Semiahmoo, Series
USDA Soil Texture	Not Reported
Hydrologic Soil Group	C/D
Soil Drainage Class	Very poorly drained
Hydric Classification	100
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-30		Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Highly organic soils, Peat. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	0-0



Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
2	30-91		Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Highly organic soils, Peat. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	0-0
3	91-152	Loamy sand	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.4-4	0-0

**SOIL MAP ID 26**
**SSURGO**

USDA Soil Name	Cassolary, Series
USDA Soil Texture	Sandy loam
Hydrologic Soil Group	C
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-8	Sandy loam	Granular materials (35% or less passing No. 200), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75	4-14	5.1-5.5



Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-8	Sandy loam	M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	5.1-5.5
2	8-58	Sandy loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	5.6-6
3	58-124	Fine sandy loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.4-4	5.6-6.5
4	124-152	Sand	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	6.6-7.3



**SOIL MAP ID 27**
**SSURGO**

USDA Soil Name	Tisch, Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	C/D
Soil Drainage Class	Poorly drained
Hydric Classification	100
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-36	Silt loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Organic Clay or Organic Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	6.1-6.5
2	36-79	Silt	Silt-Clay Materials (more than 35% passing No. 200), clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.4-4	6.6-7.3
3	79-152		Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Highly organic soils, Peat. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM,	4-14	6.6-7.3



Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
3	79-152		Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	1984).	4-14	6.6-7.3

**SOIL MAP ID 28****SSURGO**

USDA Soil Name	Cassolary, Series
USDA Soil Texture	Sandy loam
Hydrologic Soil Group	C
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-8	Sandy loam	Granular materials (35% or less passing No. 200), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	5.1-5.5
2	8-58	Sandy loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials,	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in	4-14	5.6-6



Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
2	8-58	Sandy loam	1984.	organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	5.6-6
3	58-124	Fine sandy loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.4-4	5.6-6.5
4	124-152	Sand	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	6.6-7.3

**SOIL MAP ID 29****SSURGO**

USDA Soil Name	Everett, Series
USDA Soil Texture	Sandy loam
Hydrologic Soil Group	A
Soil Drainage Class	Somewhat excessively drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate



Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-15	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.6-6
2	15-41	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	42-141	5.6-6
3	41-152	Coarse sand	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	141-705	6.1-6.5



**SOIL MAP ID 30**
**SSURGO**

USDA Soil Name	Everett, Series
USDA Soil Texture	Sandy loam
Hydrologic Soil Group	A
Soil Drainage Class	Somewhat excessively drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-15	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984).	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.6-6
2	15-41	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984).	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	42-141	5.6-6
3	41-152	Coarse sand	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984).	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	141-705	6.1-6.5



**SOIL MAP ID 31****SSURGO**

USDA Soil Name	Semiahmoo, Series
USDA Soil Texture	Not Reported
Hydrologic Soil Group	C/D
Soil Drainage Class	Very poorly drained
Hydric Classification	100
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-30		Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984).	Highly organic soils, Peat. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	0-0
2	30-91		Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984).	Highly organic soils, Peat. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	0-0
3	91-152	Loamy sand	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984).	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.4-4	0-0



**SOIL MAP ID 32****SSURGO**

USDA Soil Name	Swantown, Series
USDA Soil Texture	Sandy loam
Hydrologic Soil Group	D
Soil Drainage Class	Somewhat poorly drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-13	Sandy loam	Granular materials (35% or less passing No. 200), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.1-5.5
2	13-33	Loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.1-5.5
3	33-56	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM,	14-42	5.6-6



Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
3	33-56	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	1984).	14-42	5.6-6
4	56-152	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.01-0.42	5.1-5.5

**SOIL MAP ID 33****SSURGO**

USDA Soil Name	Swantown, Series
USDA Soil Texture	Loam
Hydrologic Soil Group	D
Soil Drainage Class	Somewhat poorly drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-13	Loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials,	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in	4-14	5.1-5.5



Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-13	Loam	1984.	organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	5.1-5.5
2	13-33	Loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.1-5.5
3	33-56	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.6-6
4	56-152	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.01-0.42	5.1-5.5



**SOIL MAP ID 34****SSURGO**

USDA Soil Name	Sinclair, Series
USDA Soil Texture	Sandy loam
Hydrologic Soil Group	B/D
Soil Drainage Class	Moderately well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-20	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.6-6
2	20-64	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.6-6
3	64-152	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM,	0.01-0.42	5.6-6



Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
3	64-152	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	1984).	0.01-0.42	5.6-6

**SOIL MAP ID 35****SSURGO**

USDA Soil Name	Casey, Series
USDA Soil Texture	Silt loam
Hydrologic Soil Group	D
Soil Drainage Class	Somewhat poorly drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-43	Silt loam	Silt-Clay materials (more than 35% passing No. 200) clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	6.1-6.5
2	43-84	Clay	Silt-Clay materials (more than 35% passing No. 200), clayey soils. Reference: This is a classification of soil material for highway and airfield	FINE-GRAINED SOILS, Silts and clays (liquid limit is 50% or more), Fat Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent	0.01-0.42	6.6-7.3



Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
2	43-84	Clay	construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.01-0.42	6.6-7.3
3	84-152	Clay	Silt-Clay materials (more than 35% passing No. 200), clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays (liquid limit is 50% or more), Fat Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0-0	6.6-7.3

## SOIL MAP ID 36

## SSURGO

USDA Soil Name	Everett, Series
USDA Soil Texture	Sandy loam
Hydrologic Soil Group	A
Soil Drainage Class	Somewhat excessively drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-15	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM	14-42	5.6-6



Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-15	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	test D 2487, in ASTM, 1984).	14-42	5.6-6
2	15-41	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	42-141	5.6-6
3	41-152	Coarse sand	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	141-705	6.1-6.5

## SOIL MAP ID 37

## SSURGO

USDA Soil Name	Alderwood, Series
USDA Soil Texture	Sandy loam
Hydrologic Soil Group	B
Soil Drainage Class	Moderately well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High



Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-8	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.6-6
2	8-76	Loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.6-6.5
3	76-152	Sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	0.01-0.42	5.6-6



**SOIL MAP ID 38**
**SSURGO**

USDA Soil Name	Kitsap, Series
USDA Soil Texture	Loam
Hydrologic Soil Group	C
Soil Drainage Class	Moderately well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-10	Loam	Granular materials (35% or less passing No. 200), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	5.6-6
2	10-81	Silt loam	Silt-Clay materials (more than 35% passing No. 200), clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	6.1-6.5
3	81-152	Silt loam	Silt-Clay materials (more than 35% passing No. 200), clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	FINE-GRAINED SOILS, Silts and clays, (liquid limit is less than 50%), Silt. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM,	0.42-1.4	6.1-6.5



Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
3	81-152	Silt loam	Silt-Clay materials (more than 35% passing No. 200), clayey soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	1984).	0.42-1.4	6.1-6.5

**SOIL MAP ID A****STATSGO**

USDA Soil Name	Sinclair, Series
USDA Soil Texture	Sandy loam
Hydrologic Soil Group	C
Soil Drainage Class	Moderately well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-8	Sandy loam	No data	No data	14.1143-42.343	4.5-6
2	8-25	No data	No data	No data	14.1143-42.343	4.5-6
3	25-60		No data	No data	No data	No data

**SOIL MAP ID B****STATSGO**

USDA Soil Name	Semiahmoo, Series
USDA Soil Texture	Not Reported
Hydrologic Soil Group	D
Soil Drainage Class	Very poorly drained
Hydric Classification	97
Corrosion Potential - Uncoated Steel	High



Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-6		No data	No data	4.2343-14.1143	No data
2	6-53		No data	No data	4.2343-14.1143	No data
3	53-61	No data	No data	No data	1.4114-4.2343	No data
4	61-65	No data	No data	No data	4.2343-14.1143	No data

**WATER AGENCY DATA:****WATER AGENCY SEARCH DISTANCES:**

<u>DATABASE:</u>	<u>SEARCH DISTANCE (MILES):</u>
NWIS	1.000
OIL & GAS WELLS - WA	1.000
PWS	1.000
WELLS - WA	1.000

<u>DISTANCE TO NEAREST:</u>	<u>DISTANCE:</u>
NWIS	0.000 mi / 0 ft
OIL & GAS WELLS - WA	N/A
PWS	N/A
WELLS - WA	0.000 mi / 0 ft

**FEDERAL WATER AGENCY DATA SUMMARY:**

<u>MAP ID:</u>	<u>WELL ID:</u>	<u>LOCATION FROM SP:</u>
1	475908122462701	< 1/8 Mile NE
3	475911122465401	< 1/8 Mile WNW
5	475838122463301	< 1/8 Mile S
7	475843122464301	< 1/8 Mile SSW
8	475928122465501	< 1/8 Mile NW
15	475928122460701	1/8 - 1/4 Mile NE
16	475830122462101	1/8 - 1/4 Mile SSE
A22	475827122463601	1/8 - 1/4 Mile S
A23	12051500	1/8 - 1/4 Mile S
24	475826122461701	1/8 - 1/4 Mile SSE
29	475822122461701	1/4 - 1/2 Mile SSE
30	12051502	1/4 - 1/2 Mile WSW
31	475858122454501	1/4 - 1/2 Mile E
32	475940122471201	1/4 - 1/2 Mile NW
33	475856122471801	1/4 - 1/2 Mile W
B34	475819122463501	1/4 - 1/2 Mile S
37	475944122470201	1/4 - 1/2 Mile NW
38	475945122460201	1/4 - 1/2 Mile NE
41	475935122472601	1/4 - 1/2 Mile WNW
42	475834122471201	1/4 - 1/2 Mile SW
C45	475938122472801	1/4 - 1/2 Mile WNW
C47	475940122472901	1/2 - 1 Mile WNW
52	475810122462301	1/2 - 1 Mile S
53	480000122463001	1/2 - 1 Mile N
D55	475844122472501	1/2 - 1 Mile WSW
57	480000122461001	1/2 - 1 Mile NNE
E59	475923122475001	1/2 - 1 Mile WNW
F67	480003122461701	1/2 - 1 Mile NNE
69	480000122470201	1/2 - 1 Mile NNW



**FEDERAL WATER AGENCY DATA SUMMARY: (cont.)**

<u>MAP ID:</u>	<u>WELL ID:</u>	<u>LOCATION FROM SP:</u>
G73	475804122455901	1/2 - 1 Mile SSE
74	475840122451801	1/2 - 1 Mile ESE
H75	475837122451801	1/2 - 1 Mile ESE
76	475925122475201	1/2 - 1 Mile WNW
77	475932122452101	1/2 - 1 Mile ENE
78	475851122474401	1/2 - 1 Mile W
H79	475835122451601	1/2 - 1 Mile ESE
80	480007122465301	1/2 - 1 Mile NNW
H82	475835122451401	1/2 - 1 Mile ESE
84	475838122451201	1/2 - 1 Mile ESE
87	12051504	1/2 - 1 Mile NE
88	475902122480101	1/2 - 1 Mile W
90	475832122451001	1/2 - 1 Mile ESE
91	12051516	1/2 - 1 Mile ENE
92	475808122472901	1/2 - 1 Mile SW
94	12051480	1/2 - 1 Mile S
95	475834122450601	1/2 - 1 Mile ESE
96	475857122450501	1/2 - 1 Mile E
100	475800122453301	1/2 - 1 Mile SE
102	475949122480101	1/2 - 1 Mile WNW
103	12051506	1/2 - 1 Mile NNW
104	480003122474301	1/2 - 1 Mile NW
107	475801122472601	1/2 - 1 Mile SW
109	12051475	1/2 - 1 Mile SSW
111	475851122481201	1/2 - 1 Mile W
112	480010122473601	1/2 - 1 Mile NW
113	475750122454801	1/2 - 1 Mile SSE

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

**STATE/LOCAL WATER AGENCY DATA SUMMARY:**

<u>MAP ID:</u>	<u>WELL ID:</u>	<u>LOCATION FROM SP:</u>
2	1118346   276914   276915	< 1/8 Mile WNW
4	256428   905296	< 1/8 Mile NW
6	277362   50424	< 1/8 Mile ENE
9	350829   374164	< 1/8 Mile NE
10	51960	< 1/8 Mile WNW
11	275870   275871   276123	1/8 - 1/4 Mile S
12	504174   52831	1/8 - 1/4 Mile SSE
13	1935996   1935997   1935998	1/8 - 1/4 Mile WSW
14	44754   50481   50805	1/8 - 1/4 Mile SW
17	743203	1/8 - 1/4 Mile W
18	1118380   54607	1/8 - 1/4 Mile NNW
19	826213   826223   877506	1/8 - 1/4 Mile SSW
20	47560   49096	1/8 - 1/4 Mile NNE
21	44359   49227   53085	1/8 - 1/4 Mile W
25	1118340   190937	1/8 - 1/4 Mile NE
26	48367	1/4 - 1/2 Mile NNE
27	1118331   1118381   46685	1/4 - 1/2 Mile WNW
28	44177	1/4 - 1/2 Mile SE
B35	376646   409628   409654	1/4 - 1/2 Mile S
36	389000   389001   413633	1/4 - 1/2 Mile SSE
39	44868   633889	1/4 - 1/2 Mile NNW
40	53205	1/4 - 1/2 Mile SSW
43	312200	1/4 - 1/2 Mile W
C44	1118319   1953971   311990	1/4 - 1/2 Mile WNW
46	47449	1/4 - 1/2 Mile SE
48	275794   43893   47154	1/2 - 1 Mile WSW
49	1118361   276363   276364	1/2 - 1 Mile NW
50	50572	1/2 - 1 Mile SW
51	511710   51696	1/2 - 1 Mile ESE
54	277110   277111	1/2 - 1 Mile NE



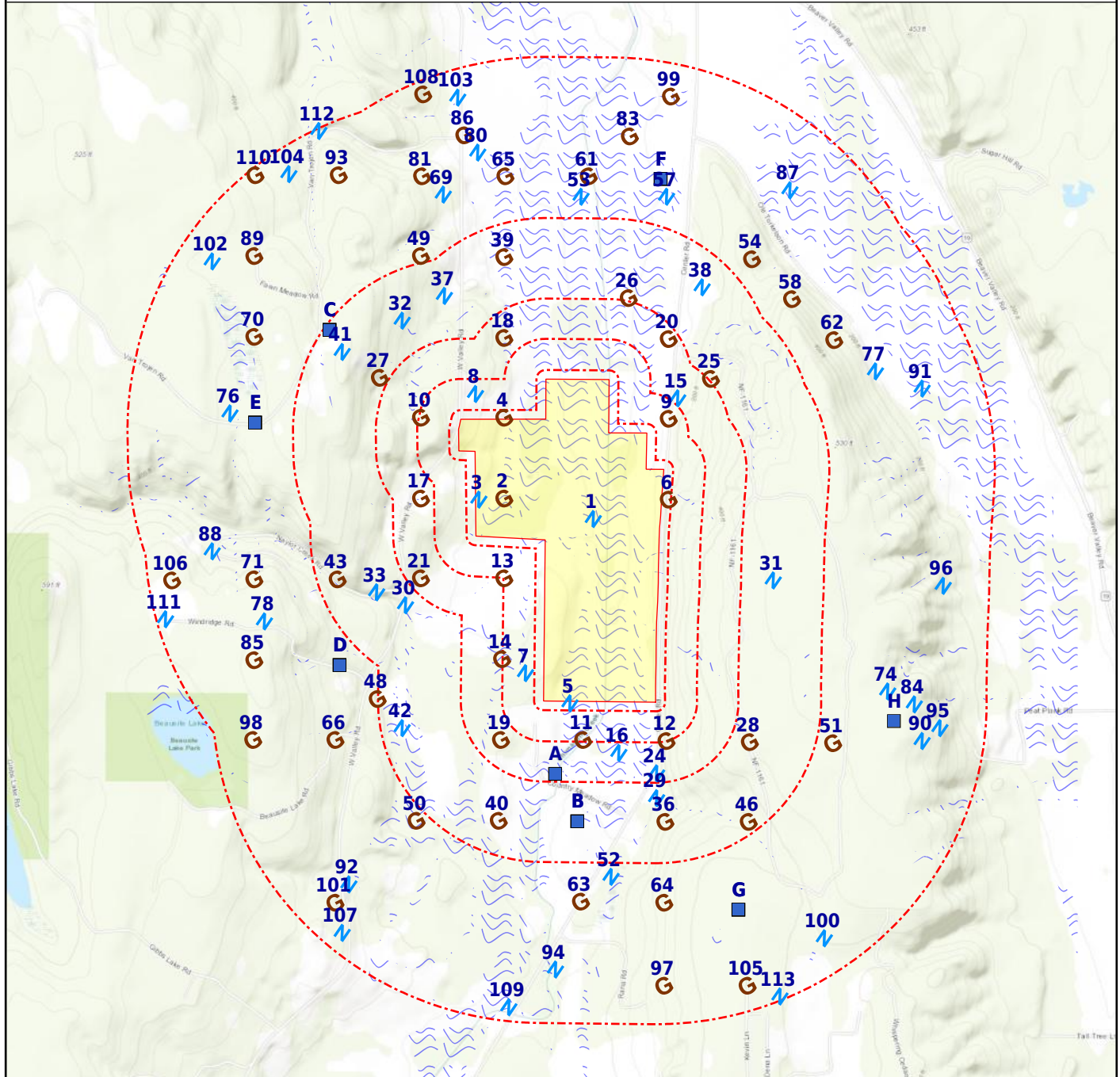
## STATE/LOCAL WATER AGENCY DATA SUMMARY: (cont.)

MAP ID:	WELL ID:	LOCATION FROM SP:
D56	1106932   1582524   51097	1/2 - 1 Mile WSW
58	47106	1/2 - 1 Mile NE
E60	311093   52234   53485	1/2 - 1 Mile WNW
61	45410	1/2 - 1 Mile N
62	277383   55772	1/2 - 1 Mile ENE
63	118105   291843   291844	1/2 - 1 Mile S
64	301212   379365	1/2 - 1 Mile SSE
65	1118377   633439	1/2 - 1 Mile NNW
66	44903	1/2 - 1 Mile WSW
F68	470947   49788   49799	1/2 - 1 Mile NNE
70	49010   743199	1/2 - 1 Mile WNW
71	410943   45375   54530	1/2 - 1 Mile W
G72	384537   687587	1/2 - 1 Mile SSE
81	251494	1/2 - 1 Mile NNW
83	1118369	1/2 - 1 Mile N
85	49330   55149	1/2 - 1 Mile WSW
86	510092	1/2 - 1 Mile NNW
89	276514   276515   350825	1/2 - 1 Mile WNW
93	360611   54355	1/2 - 1 Mile NW
97	498238   53343	1/2 - 1 Mile SSE
98	434609	1/2 - 1 Mile WSW
99	1118345   550868	1/2 - 1 Mile NNE
101	521848   54059   56077	1/2 - 1 Mile SW
105	1617522   419972   50213	1/2 - 1 Mile SSE
106	50814	1/2 - 1 Mile W
108	45747	1/2 - 1 Mile NNW
110	442490   473483	1/2 - 1 Mile NW



SUBJECT NAME: Short Family Farm  
ADDRESS: 1594, 2330, 1720 Center Road, Chimacum, W...  
LAT/LONG: 47.984674 / -122.776229

PREPARED FOR: ADESA Environmental Services  
ORDER #: 80452  
REPORT DATE: November 10, 2022



★ Subject Property  
NWIS

Basins (No Data)  
NWIS

Geologic Cluster with Water Well  
Oil & Gas Wells (No Data)

Geological Site



Map Id: 1  
 Direction: NE  
 Distance: 0.000 mi., 0 ft.  
 Elevation: 121 ft.  
 Relative: Lower

**Site Name :** 475908122462701  
 47.985368, -122.775443  
 WA  
**Database(s) :** [NWIS]

**Envirosite ID:** 20246785  
**EPA ID:** N/R

## NWIS

Site Identification Number :	475908122462701
Site Type :	Well
Station Name :	29N/01W-23P02
Agency :	U.S. Geological Survey
District :	N/R
State :	WA
County :	Jefferson County
Country :	USA
Land Net Location :	SESWS23 T29N R01W W
Name of Location Map :	PLATE 3 BULLETIN 54
Scale of Location Map :	48000
Altitude of Gage/Land Surface :	120
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	5
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Puget Sound
Drainage Basin :	Pacific Northwest Region
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	1956-08-28
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Minimal data.
Data-Other GW Files :	YYNNNNYNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	340
Hole Depth :	340
Source of Depth Data :	A
Project Number :	WA08900
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1956-08-28
Field Water-level Measurements End Date:	1975-08-24
Field Water-Level Measurements Count:	2
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	47.985368
Longitude :	-122.775443
Last Date in Agency List :	2022-08-15



Map Id: 2  
 Direction: WNW  
 Distance: 0.000 mi., 0 ft.  
 Elevation: 140 ft.  
 Relative: Higher

**Site Name :** 1118346 | 276914 | 276915  
 47.98628, -122.781242  
 WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47853090  
**EPA ID:** N/R

## WELLS - WA

Well Tag Number : N/R  
 NIT ID Number : N/R  
 Well Type Code : W  
 Well Address : N/R  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : N/R  
 Well Log Received Date : N/R  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 60  
 Well Owner Name : ROGER SHORT  
 Driller Number : N/R  
 Section/Township/Range : SEC 22, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : SE  
 QTR QTR Section CD : SE  
 Tax Parcel Number : N/R  
 Last Update : N/R  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : N/R  
 NIT ID Number : N/R  
 Well Type Code : W  
 Well Address : N/R  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : N/R  
 Well Log Received Date : N/R  
 Well Diameter Quarter : 0  
 Well Dept Quarter : 0  
 Well Owner Name : NORRIS AND LAURA SHORT  
 Driller Number : N/R  
 Section/Township/Range : SEC 22, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : SE  
 QTR QTR Section CD : SE  
 Tax Parcel Number : N/R  
 Last Update : 2016-01-06  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : N/R  
 NIT ID Number : N/R  
 Well Type Code : W  
 Well Address : N/R  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : N/R  
 Well Log Received Date : N/R  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 60  
 Well Owner Name : ROGER SHORT  
 Driller Number : N/R  
 Section/Township/Range : SEC 22, TWP 29N, RNG 01W



Map Id: 2  
Direction: WNW  
Distance: 0.000 mi., 0 ft.  
Elevation: 140 ft.  
Relative: Higher

**Site Name :** 1118346 | 276914 | 276915  
47.98628, -122.781242  
WA  
**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47853090  
**EPA ID:** N/R

**WELLS - WA (cont.)**

Range Fraction Number :	N/R
QTR Section CD :	SE
QTR QTR Section CD :	SE
Tax Parcel Number :	N/R
Last Update :	N/R
WRIA Number :	17
Last Date in Agency List :	2022-10-18

Map Id: 3  
Direction: WNW  
Distance: 0.000 mi., 0 ft.  
Elevation: 164 ft.  
Relative: Higher

**Site Name :** 475911122465401  
47.986201, -122.782944  
WA  
**Database(s) :** [NWIS]

**Envirosite ID:** 20131630  
**EPA ID:** N/R

**NWIS**

Site Identification Number :	475911122465401
Site Type :	Well
Station Name :	29N/01W-22R01
Agency :	U.S. Geological Survey
District :	N/R
State :	WA
County :	Jefferson County
Country :	USA
Land Net Location :	SESES22 T29N R01W W
Name of Location Map :	CENTER
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	230
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	1
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Puget Sound
Drainage Basin :	Pacific Northwest Region
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	1956-08-28
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Unchecked data.
Data-Other GW Files :	YYNNYYNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	105
Hole Depth :	N/R
Source of Depth Data :	A
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R



Map Id: 3  
Direction: WNW  
Distance: 0.000 mi., 0 ft.  
Elevation: 164 ft.  
Relative: Higher

**Site Name :** 47591122465401  
47.986201, -122.782944  
WA  
**Database(s) :** [NWIS] (*cont.*)

**Envirosite ID:** 20131630  
**EPA ID:** N/R

**NWIS (*cont.*)**

Peak-Streamflow Data End Date : N/R  
Peak-Streamflow Data Count : 0  
Water-Quality Data Begin Date : 1962-11-14  
Water-Quality Data End Date : 1962-11-14  
Water-Quality Data Count : 1  
Field Water-Level Measurements Begin Date: 1956-08-28  
Field Water-level Measurements End Date: 1956-08-28  
Field Water-Level Measurements Count: 1  
Site-Visit Data Begin Date : N/R  
Site-Visit Data End Date : N/R  
Site-Visit Data Count : 0  
Latitude : 47.986201  
Longitude : -122.782944  
Last Date in Agency List : 2022-08-15

Map Id: 4  
Direction: NW  
Distance: 0.000 mi., 0 ft.  
Elevation: 154 ft.  
Relative: Higher

**Site Name :** 256428 | 905296  
47.989891, -122.781243  
WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47820121  
**EPA ID:** N/R

**WELLS - WA**

Well Tag Number : AFL958  
NIT ID Number : W129121  
Well Type Code : W  
Well Address : 1833 W. VALLEY RD CHIMACUM, WA 98325  
County ID : 31  
Region Code : 2  
Well Completion Date : 2000-08-25  
Well Log Received Date : 2000-09-20  
Well Diameter Quarter : 6  
Well Dept Quarter : 175  
Well Owner Name : LORING BEMIS  
Driller Number : N/R  
Section/Township/Range : SEC 22, TWP 29N, RNG 01W  
Range Fraction Number : N/R  
QTR Section CD : SE  
QTR QTR Section CD : NE  
Tax Parcel Number : 901224014  
Last Update : N/R  
WRIA Number : 17  
Last Date in Agency List : 2022-10-18

Well Tag Number : BHX038  
NIT ID Number : WE17560  
Well Type Code : W  
Well Address : West Valley Rd



Map Id: 4  
Direction: NW  
Distance: 0.000 mi., 0 ft.  
Elevation: 154 ft.  
Relative: Higher

**Site Name :** 256428 | 905296  
47.989891, -122.781243  
WA  
**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47820121  
**EPA ID:** N/R

**WELLS - WA (cont.)**

County ID :	31
Region Code :	2
Well Completion Date :	2014-01-17
Well Log Received Date :	2014-02-06
Well Diameter Quarter :	6
Well Dept Quarter :	180
Well Owner Name :	Ellen Anglin
Driller Number :	3150
Section/Township/Range :	SEC 22, TWP 29N, RNG 01W
Range Fraction Number :	N/R
QTR Section CD :	SE
QTR QTR Section CD :	NE
Tax Parcel Number :	901221009
Last Update :	2014-04-14
WRIA Number :	17
Last Date in Agency List :	2022-10-18

Map Id: 5  
Direction: S  
Distance: 0.013 mi., 68 ft.  
Elevation: 123 ft.  
Relative: Lower

**Site Name :** 475838122463301  
47.977062, -122.776999  
WA  
**Database(s) :** [NWIS]

**Envirosite ID:** 20052651  
**EPA ID:** N/R

**NWIS**

Site Identification Number :	475838122463301
Site Type :	Well
Station Name :	29N/01W-26M02
Agency :	U.S. Geological Survey
District :	N/R
State :	WA
County :	Jefferson County
Country :	USA
Land Net Location :	NWSWS26 T29N R01W W
Name of Location Map :	CENTER
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	122.36
Method Altitude Determined :	Interpolated from Digital Elevation Model
Altitude Accuracy :	1
Altitude Datum :	North American Vertical Datum of 1988
Hydrologic Unit :	Puget Sound
Drainage Basin :	Pacific Northwest Region
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	1988-01-01
Date Site Established or Inventoried:	2002-04-16
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-Other GW Files :	YY Y



Map Id: 5  
 Direction: S  
 Distance: 0.013 mi., 68 ft.  
 Elevation: 123 ft.  
 Relative: Lower

**Site Name :** 475838122463301  
 47.977062, -122.776999  
 WA  
**Database(s) :** [NWIS] (*cont.*)

**Envirosite ID:** 20052651  
**EPA ID:** N/R

## NWIS (*cont.*)

National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	23
Hole Depth :	31
Source of Depth Data :	O
Project Number :	WA45800
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	2002-04-16
Field Water-level Measurements End Date:	2002-04-16
Field Water-Level Measurements Count:	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	47.977062
Longitude :	-122.776999
Last Date in Agency List :	2022-08-15

Map Id: 6  
 Direction: ENE  
 Distance: 0.018 mi., 94 ft.  
 Elevation: 205 ft.  
 Relative: Higher

**Site Name :** 277362 | 50424  
 47.986233, -122.770515  
 WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47908539  
**EPA ID:** N/R

## WELLS - WA

Well Tag Number :	N/R
NIT ID Number :	026349
Well Type Code :	W
Well Address :	1395 CENTER RD, CHIMICUM
County ID :	31
Region Code :	2
Well Completion Date :	1992-05-18
Well Log Received Date :	1992-06-22
Well Diameter Quarter :	6
Well Dept Quarter :	157
Well Owner Name :	MIKE EVANGER
Driller Number :	1463
Section/Township/Range :	SEC 23, TWP 29N, RNG 01W
Range Fraction Number :	N/R
QTR Section CD :	SW
QTR QTR Section CD :	SE
Tax Parcel Number :	N/R



Map Id: 6  
 Direction: ENE  
 Distance: 0.018 mi., 94 ft.  
 Elevation: 205 ft.  
 Relative: Higher

**Site Name :** 277362 | 50424  
 47.986233, -122.770515  
 WA  
**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47908539  
**EPA ID:** N/R

## WELLS - WA (**cont.**)

Last Update :	N/R
WRIA Number :	17
Last Date in Agency List :	2022-10-18
Well Tag Number :	ABB909
NIT ID Number :	N/R
Well Type Code :	W
Well Address :	N/R
County ID :	31
Region Code :	2
Well Completion Date :	N/R
Well Log Received Date :	N/R
Well Diameter Quarter :	6
Well Dept Quarter :	101
Well Owner Name :	EDWARD THOMPSON
Driller Number :	N/R
Section/Township/Range :	SEC 23, TWP 29N, RNG 01W
Range Fraction Number :	N/R
QTR Section CD :	SW
QTR QTR Section CD :	SE
Tax Parcel Number :	N/R
Last Update :	N/R
WRIA Number :	17
Last Date in Agency List :	2022-10-18

Map Id: 7  
 Direction: SSW  
 Distance: 0.061 mi., 324 ft.  
 Elevation: 168 ft.  
 Relative: Higher

**Site Name :** 475843122464301  
 47.978423, -122.779888  
 WA  
**Database(s) :** [NWIS]

**Envirosite ID:** 20116497  
**EPA ID:** N/R

## NWIS

Site Identification Number :	475843122464301
Site Type :	Well
Station Name :	29N/01W-23P01
Agency :	U.S. Geological Survey
District :	N/R
State :	WA
County :	Jefferson County
Country :	USA
Land Net Location :	SESWS23 T29N R01W W
Name of Location Map :	CENTER
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	200
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	1
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Puget Sound
Drainage Basin :	Pacific Northwest Region



**Envirosite ID:** 20116497  
**EPA ID:** N/R

[illegible]

**Envirosite ID:** 20244984  
**EPA ID:** N/R

Site Identification Number :	475928122465501
Site Type :	Well
Station Name :	29N/01W-22J01
Agency :	U.S. Geological Survey
District :	N/R
State :	WA
County :	Jefferson County
Country :	USA



Map Id: 8  
 Direction: NW  
 Distance: 0.071 mi., 377 ft.  
 Elevation: 221 ft.  
 Relative: Higher

**Site Name :** 475928122465501  
 47.990951, -122.783138  
 WA  
**Database(s) :** [NWIS] (*cont.*)

**EnviroSite ID:** 20244984  
**EPA ID:** N/R

NWIS (*cont.*)

Land Net Location :	NESES22 T29N R01W W
Name of Location Map :	CENTER
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	224.17
Method Altitude Determined :	Interpolated from Digital Elevation Model
Altitude Accuracy :	1
Altitude Datum :	North American Vertical Datum of 1988
Hydrologic Unit :	Puget Sound
Drainage Basin :	Pacific Northwest Region
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	2000-08-22
Date Site Established or Inventoried:	2002-03-08
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-Other GW Files :	YYY Y
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	175
Hole Depth :	175
Source of Depth Data :	D
Project Number :	WA45800
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	2000-08-25
Field Water-level Measurements End Date:	2002-03-08
Field Water-Level Measurements Count:	2
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	47.990951
Longitude :	-122.783138
Last Date in Agency List :	2022-08-15



Map Id: 9  
Direction: NE  
Distance: 0.073 mi., 384 ft.  
Elevation: 173 ft.  
Relative: Higher

**Site Name :** 350829 | 374164  
47.989842, -122.770507  
WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47819451  
**EPA ID:** N/R

## WELLS - WA

Well Tag Number : AFC976  
NIT ID Number : W157501  
Well Type Code : W  
Well Address : CENTER VALLEY RD, CHIMACUM  
County ID : 31  
Region Code : 2  
Well Completion Date : 2002-04-15  
Well Log Received Date : 2002-11-07  
Well Diameter Quarter : 6  
Well Dept Quarter : 152  
Well Owner Name : RICHARD PURNELL  
Driller Number : N/R  
Section/Township/Range : SEC 23, TWP 29N, RNG 01W  
Range Fraction Number : N/R  
QTR Section CD : SW  
QTR QTR Section CD : NE  
Tax Parcel Number : 901233004  
Last Update : 2003-01-28  
WRIA Number : 17  
Last Date in Agency List : 2022-10-18

Well Tag Number : AKR027  
NIT ID Number : W166547  
Well Type Code : W  
Well Address : 27580 BIG VALLEY RD NE, POULSBO 98370  
County ID : 35  
Region Code : 1  
Well Completion Date : 2004-01-15  
Well Log Received Date : 2004-02-03  
Well Diameter Quarter : 6  
Well Dept Quarter : 76  
Well Owner Name : RON ELLINGSEN / ELLINGSEN CONST  
Driller Number : N/R  
Section/Township/Range : SEC 23, TWP 29N, RNG 01E  
Range Fraction Number : N/R  
QTR Section CD : SW  
QTR QTR Section CD : NE  
Tax Parcel Number : 232701-3-020-2007  
Last Update : 2004-02-09  
WRIA Number : 7  
Last Date in Agency List : 2022-10-18



Map Id: 10  
Direction: WNW  
Distance: 0.121 mi., 641 ft.  
Elevation: 299 ft.  
Relative: Higher

**Site Name :** 51960  
47.989893, -122.786659  
WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47907987  
**EPA ID:** N/R

## WELLS - WA

Well Tag Number : N/R  
NIT ID Number : N/R  
Well Type Code : W  
Well Address : N/R  
County ID : 31  
Region Code : 2  
Well Completion Date : 1987-08-04  
Well Log Received Date : N/R  
Well Diameter Quarter : 6  
Well Dept Quarter : 284  
Well Owner Name : RICHARD SORENSON  
Driller Number : 0686  
Section/Township/Range : SEC 22, TWP 29N, RNG 01W  
Range Fraction Number : N/R  
QTR Section CD : SE  
QTR QTR Section CD : NW  
Tax Parcel Number : N/R  
Last Update : N/R  
WRIA Number : 17  
Last Date in Agency List : 2022-10-18

Map Id: 11  
Direction: S  
Distance: 0.126 mi., 664 ft.  
Elevation: 122 ft.  
Relative: Lower

**Site Name :** 275870 | 275871 | 276123  
47.975421, -122.776123  
WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47837594  
**EPA ID:** N/R

## WELLS - WA

Well Tag Number : N/R  
NIT ID Number : N/R  
Well Type Code : W  
Well Address : N/R  
County ID : 31  
Region Code : 2  
Well Completion Date : N/R  
Well Log Received Date : N/R  
Well Diameter Quarter : 6  
Well Dept Quarter : 38  
Well Owner Name : CHRISTIAN ELIJAN  
Driller Number : N/R  
Section/Township/Range : SEC 26, TWP 29N, RNG 01W  
Range Fraction Number : N/R  
QTR Section CD : SW  
QTR QTR Section CD : NW  
Tax Parcel Number : N/R  
Last Update : N/R  
WRIA Number : 17  
Last Date in Agency List : 2022-10-18



Map Id: 11  
 Direction: S  
 Distance: 0.126 mi., 664 ft.  
 Elevation: 122 ft.  
 Relative: Lower

**Site Name :** 275870 | 275871 | 276123  
 47.975421, -122.776123  
 WA

**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47837594  
**EPA ID:** N/R

## WELLS - WA (**cont.**)

Well Tag Number : N/R  
 NIT ID Number : N/R  
 Well Type Code : W  
 Well Address : N/R  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : N/R  
 Well Log Received Date : N/R  
 Well Diameter Quarter : 8  
 Well Dept Quarter : N/R  
 Well Owner Name : ELIJA H & KONSTAJCE CHRISTIAN  
 Driller Number : N/R  
 Section/Township/Range : SEC 26, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : SW  
 QTR QTR Section CD : NW  
 Tax Parcel Number : N/R  
 Last Update : N/R  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : N/R  
 NIT ID Number : 066794  
 Well Type Code : W  
 Well Address : N/R  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : 1988-07-08  
 Well Log Received Date : 1988-09-02  
 Well Diameter Quarter : 6  
 Well Dept Quarter : N/R  
 Well Owner Name : AL STRANDSCOU  
 Driller Number : 0048  
 Section/Township/Range : SEC 26, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : SW  
 QTR QTR Section CD : NW  
 Tax Parcel Number : N/R  
 Last Update : N/R  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : BBN258  
 NIT ID Number : W270431  
 Well Type Code : W  
 Well Address : 62 BARN SWALLOW RD, CHIMACUM  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : 2009-08-18  
 Well Log Received Date : 2009-09-28  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 50  
 Well Owner Name : KEITH KISLER  
 Driller Number : N/R  
 Section/Township/Range : SEC 26, TWP 29N, RNG 01W



Map Id: 11  
 Direction: S  
 Distance: 0.126 mi., 664 ft.  
 Elevation: 122 ft.  
 Relative: Lower

**Site Name :** 275870 | 275871 | 276123  
 47.975421, -122.776123  
 WA  
**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47837594  
**EPA ID:** N/R

## WELLS - WA (**cont.**)

Range Fraction Number : N/R  
 QTR Section CD : SW  
 QTR QTR Section CD : NW  
 Tax Parcel Number : 901263018  
 Last Update : 2009-10-08  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : N/R  
 NIT ID Number : N/R  
 Well Type Code : W  
 Well Address : N/R  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : N/R  
 Well Log Received Date : N/R  
 Well Diameter Quarter : N/R  
 Well Dept Quarter : 58  
 Well Owner Name : CHRISTIAN ELIJAN  
 Driller Number : N/R  
 Section/Township/Range : SEC 26, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : SW  
 QTR QTR Section CD : NW  
 Tax Parcel Number : N/R  
 Last Update : N/R  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : BBN258  
 NIT ID Number : WE12896  
 Well Type Code : W  
 Well Address : 62 Barn Swallow, Chimacum 98325  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : 2011-05-17  
 Well Log Received Date : 2012-01-03  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 50  
 Well Owner Name : Keith Kisler  
 Driller Number : N/R  
 Section/Township/Range : SEC 26, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : SW  
 QTR QTR Section CD : NW  
 Tax Parcel Number : 901 263 018  
 Last Update : 2012-04-18  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : N/R  
 NIT ID Number : N/R  
 Well Type Code : W  
 Well Address : N/R



Map Id: 11  
 Direction: S  
 Distance: 0.126 mi., 664 ft.  
 Elevation: 122 ft.  
 Relative: Lower

**Site Name :** 275870 | 275871 | 276123  
 47.975421, -122.776123  
 WA  
**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47837594  
**EPA ID:** N/R

## WELLS - WA (**cont.**)

County ID :	31
Region Code :	2
Well Completion Date :	N/R
Well Log Received Date :	N/R
Well Diameter Quarter :	8
Well Dept Quarter :	68
Well Owner Name :	ELIJAH & CONSTANCE CHRISTIAN
Driller Number :	N/R
Section/Township/Range :	SEC 26, TWP 29N, RNG 01W
Range Fraction Number :	N/R
QTR Section CD :	SW
QTR QTR Section CD :	NW
Tax Parcel Number :	N/R
Last Update :	N/R
WRIA Number :	17
Last Date in Agency List :	2022-10-18

Map Id: 12  
 Direction: SSE  
 Distance: 0.129 mi., 682 ft.  
 Elevation: 204 ft.  
 Relative: Higher

**Site Name :** 504174 | 52831  
 47.975375, -122.770707  
 WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47838131  
**EPA ID:** N/R

## WELLS - WA

Well Tag Number :	N/R
NIT ID Number :	N/R
Well Type Code :	W
Well Address :	N/R
County ID :	31
Region Code :	2
Well Completion Date :	N/R
Well Log Received Date :	N/R
Well Diameter Quarter :	6
Well Dept Quarter :	65
Well Owner Name :	STACY TOMPSON
Driller Number :	N/R
Section/Township/Range :	SEC 26, TWP 29N, RNG 01W
Range Fraction Number :	N/R
QTR Section CD :	SW
QTR QTR Section CD :	NE
Tax Parcel Number :	N/R
Last Update :	N/R
WRIA Number :	17
Last Date in Agency List :	2022-10-18

Well Tag Number :	ALJ196
NIT ID Number :	W219912
Well Type Code :	W
Well Address :	2397 CENTER RD, CHIMACUM



Map Id: 12  
 Direction: SSE  
 Distance: 0.129 mi., 682 ft.  
 Elevation: 204 ft.  
 Relative: Higher

**Site Name :** 504174 | 52831  
 47.975375, -122.770707  
 WA  
**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47838131  
**EPA ID:** N/R

## WELLS - WA (**cont.**)

County ID :	31
Region Code :	2
Well Completion Date :	2007-11-16
Well Log Received Date :	2007-11-30
Well Diameter Quarter :	6
Well Dept Quarter :	164
Well Owner Name :	PETE RUST
Driller Number :	N/R
Section/Township/Range :	SEC 26, TWP 29N, RNG 01W
Range Fraction Number :	N/R
QTR Section CD :	SW
QTR QTR Section CD :	NE
Tax Parcel Number :	901263014
Last Update :	2007-12-10
WRIA Number :	17
Last Date in Agency List :	2022-10-18

Map Id: 13  
 Direction: WSW  
 Distance: 0.130 mi., 685 ft.  
 Elevation: 145 ft.  
 Relative: Higher

**Site Name :** 1935996 | 1935997 | 1935998  
 47.982668, -122.781303  
 WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47916681  
**EPA ID:** N/R

## WELLS - WA

Well Tag Number :	N/R
NIT ID Number :	SE71956
Well Type Code :	R
Well Address :	W Valley Rd
County ID :	31
Region Code :	4
Well Completion Date :	2019-11-15
Well Log Received Date :	2019-11-21
Well Diameter Quarter :	8
Well Dept Quarter :	16
Well Owner Name :	Jefferson Co
Driller Number :	1815
Section/Township/Range :	SEC 27, TWP 29N, RNG 01W
Range Fraction Number :	N/R
QTR Section CD :	NE
QTR QTR Section CD :	NE
Tax Parcel Number :	N/R
Last Update :	2020-01-07
WRIA Number :	17
Last Date in Agency List :	2022-10-18

Well Tag Number :	N/R
NIT ID Number :	AE57859
Well Type Code :	A
Well Address :	W Valley Rd



Map Id: 13  
 Direction: WSW  
 Distance: 0.130 mi., 685 ft.  
 Elevation: 145 ft.  
 Relative: Higher

**Site Name :** 1935996 | 1935997 | 1935998  
 47.982668, -122.781303  
 WA  
**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47916681  
**EPA ID:** N/R

WELLS - WA (**cont.**)

County ID : 31  
 Region Code : 4  
 Well Completion Date : 2019-11-15  
 Well Log Received Date : 2019-11-21  
 Well Diameter Quarter : 8  
 Well Dept Quarter : 16  
 Well Owner Name : Jefferson Co  
 Driller Number : 1815  
 Section/Township/Range : SEC 27, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : NE  
 QTR QTR Section CD : NE  
 Tax Parcel Number : N/R  
 Last Update : 2020-01-07  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : N/R  
 NIT ID Number : SE71956  
 Well Type Code : R  
 Well Address : W Valley Rd  
 County ID : 31  
 Region Code : 4  
 Well Completion Date : 2019-11-15  
 Well Log Received Date : 2019-11-21  
 Well Diameter Quarter : 8  
 Well Dept Quarter : 20  
 Well Owner Name : Jefferson Co  
 Driller Number : 1815  
 Section/Township/Range : SEC 27, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : NE  
 QTR QTR Section CD : NE  
 Tax Parcel Number : N/R  
 Last Update : 2020-01-07  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : ACB258  
 NIT ID Number : W053566  
 Well Type Code : W  
 Well Address : W VALLEY RD, CHIMACUM  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : 1996-06-06  
 Well Log Received Date : N/R  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 43  
 Well Owner Name : ROBERT DONLEY  
 Driller Number : 0779  
 Section/Township/Range : SEC 27, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : NE  
 QTR QTR Section CD : NE  
 Tax Parcel Number : N/R



Map Id: 13  
 Direction: WSW  
 Distance: 0.130 mi., 685 ft.  
 Elevation: 145 ft.  
 Relative: Higher

**Site Name :** 1935996 | 1935997 | 1935998  
 47.982668, -122.781303  
 WA  
**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47916681  
**EPA ID:** N/R

## WELLS - WA (**cont.**)

Last Update : N/R  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : N/R  
 NIT ID Number : AE57859  
 Well Type Code : A  
 Well Address : W Valley Rd  
 County ID : 31  
 Region Code : 4  
 Well Completion Date : 2019-11-15  
 Well Log Received Date : 2019-11-21  
 Well Diameter Quarter : 8  
 Well Dept Quarter : 16  
 Well Owner Name : Jefferson Co  
 Driller Number : 1815  
 Section/Township/Range : SEC 27, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : NE  
 QTR QTR Section CD : NE  
 Tax Parcel Number : N/R  
 Last Update : 2020-01-07  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : N/R  
 NIT ID Number : SE71956  
 Well Type Code : R  
 Well Address : W Valley Rd  
 County ID : 31  
 Region Code : 4  
 Well Completion Date : 2019-11-15  
 Well Log Received Date : 2019-11-21  
 Well Diameter Quarter : 8  
 Well Dept Quarter : 16  
 Well Owner Name : Jefferson Co  
 Driller Number : 1815  
 Section/Township/Range : SEC 27, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : NE  
 QTR QTR Section CD : NE  
 Tax Parcel Number : N/R  
 Last Update : 2020-01-07  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : N/R  
 NIT ID Number : AE57859  
 Well Type Code : A  
 Well Address : W Valley Rd  
 County ID : 31  
 Region Code : 4  
 Well Completion Date : 2019-11-15  
 Well Log Received Date : 2019-11-21



Map Id: 13  
Direction: WSW  
Distance: 0.130 mi., 685 ft.  
Elevation: 145 ft.  
Relative: Higher

**Site Name :** 1935996 | 1935997 | 1935998  
47.982668, -122.781303  
WA  
**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47916681  
**EPA ID:** N/R

**WELLS - WA (cont.)**

Well Diameter Quarter :	8
Well Dept Quarter :	20
Well Owner Name :	Jefferson Co
Driller Number :	1815
Section/Township/Range :	SEC 27, TWP 29N, RNG 01W
Range Fraction Number :	N/R
QTR Section CD :	NE
QTR QTR Section CD :	NE
Tax Parcel Number :	N/R
Last Update :	2020-01-07
WRIA Number :	17
Last Date in Agency List :	2022-10-18

Map Id: 14  
Direction: SW  
Distance: 0.132 mi., 700 ft.  
Elevation: 172 ft.  
Relative: Higher

**Site Name :** 44754 | 50481 | 50805  
47.979052, -122.781417  
WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47831295  
**EPA ID:** N/R

**WELLS - WA**

Well Tag Number :	N/R
NIT ID Number :	N/R
Well Type Code :	W
Well Address :	N/R
County ID :	31
Region Code :	2
Well Completion Date :	1986-09-18
Well Log Received Date :	1986-11-12
Well Diameter Quarter :	6
Well Dept Quarter :	62
Well Owner Name :	MIKE SCOTT
Driller Number :	0524
Section/Township/Range :	SEC 27, TWP 29N, RNG 01W
Range Fraction Number :	N/R
QTR Section CD :	NE
QTR QTR Section CD :	SE
Tax Parcel Number :	N/R
Last Update :	N/R
WRIA Number :	17
Last Date in Agency List :	2022-10-18

Well Tag Number :	N/R
NIT ID Number :	N/R
Well Type Code :	W
Well Address :	N/R
County ID :	31
Region Code :	2
Well Completion Date :	1982-04-23
Well Log Received Date :	1983-06-29



Map Id: 14  
 Direction: SW  
 Distance: 0.132 mi., 700 ft.  
 Elevation: 172 ft.  
 Relative: Higher

**Site Name :** 44754 | 50481 | 50805  
 47.979052, -122.781417  
 WA  
**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47831295  
**EPA ID:** N/R

## WELLS - WA (**cont.**)

Well Diameter Quarter : 6  
 Well Dept Quarter : 56  
 Well Owner Name : BRUCE BARRETT  
 Driller Number : 0524  
 Section/Township/Range : SEC 27, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : NE  
 QTR QTR Section CD : SE  
 Tax Parcel Number : N/R  
 Last Update : N/R  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : N/R  
 NIT ID Number : N/R  
 Well Type Code : W  
 Well Address : N/R  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : 1981-07-02  
 Well Log Received Date : 1982-06-09  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 150  
 Well Owner Name : NEVILLE PEARSALL  
 Driller Number : 0848  
 Section/Township/Range : SEC 27, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : NE  
 QTR QTR Section CD : SE  
 Tax Parcel Number : N/R  
 Last Update : N/R  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : N/R  
 NIT ID Number : N/R  
 Well Type Code : W  
 Well Address : N/R  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : 1985-06-05  
 Well Log Received Date : 1986-02-19  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 52  
 Well Owner Name : NEOLA HOOPS  
 Driller Number : 0524  
 Section/Township/Range : SEC 27, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : NE  
 QTR QTR Section CD : SE  
 Tax Parcel Number : N/R  
 Last Update : N/R  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18



Map Id: 14  
Direction: SW  
Distance: 0.132 mi., 700 ft.  
Elevation: 172 ft.  
Relative: Higher

**Site Name :** 44754 | 50481 | 50805  
47.979052, -122.781417  
WA  
**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47831295  
**EPA ID:** N/R

**WELLS - WA (cont.)**

Well Tag Number :	N/R
NIT ID Number :	N/R
Well Type Code :	W
Well Address :	N/R
County ID :	31
Region Code :	2
Well Completion Date :	1982-11-22
Well Log Received Date :	1983-06-29
Well Diameter Quarter :	6
Well Dept Quarter :	33
Well Owner Name :	NEVILLE PEARSALL
Driller Number :	0524
Section/Township/Range :	SEC 27, TWP 29N, RNG 01W
Range Fraction Number :	N/R
QTR Section CD :	NE
QTR QTR Section CD :	SE
Tax Parcel Number :	N/R
Last Update :	N/R
WRIA Number :	17
Last Date in Agency List :	2022-10-18

Map Id: 15  
Direction: NE  
Distance: 0.135 mi., 715 ft.  
Elevation: 166 ft.  
Relative: Higher

**Site Name :** 475928122460701  
47.990784, -122.769943  
WA  
**Database(s) :** [NWIS]

**Envirosite ID:** 20244975  
**EPA ID:** N/R

**NWIS**

Site Identification Number :	475928122460701
Site Type :	Well
Station Name :	29N/01W-23L01
Agency :	U.S. Geological Survey
District :	N/R
State :	WA
County :	Jefferson County
Country :	USA
Land Net Location :	NESWS23 T29N R01W W
Name of Location Map :	CENTER
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	158.96
Method Altitude Determined :	Interpolated from Digital Elevation Model
Altitude Accuracy :	1
Altitude Datum :	North American Vertical Datum of 1988
Hydrologic Unit :	Puget Sound
Drainage Basin :	Pacific Northwest Region
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	1992-05-12
Date Site Established or Inventoried:	2002-04-18



Map Id: 15  
Direction: NE  
Distance: 0.135 mi., 715 ft.  
Elevation: 166 ft.  
Relative: Higher

**Site Name :** 475928122460701  
47.990784, -122.769943  
WA  
**Database(s) :** [NWIS] (*cont.*)

**Envirosite ID:** 20244975  
**EPA ID:** N/R

**NWIS (*cont.*)**

Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-Other GW Files :	YYY Y
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	157
Hole Depth :	157
Source of Depth Data :	D
Project Number :	WA45800
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1992-05-18
Field Water-level Measurements End Date:	2002-04-18
Field Water-Level Measurements Count:	3
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	47.990784
Longitude :	-122.769943
Last Date in Agency List :	2022-08-15

Map Id: 16  
Direction: SSE  
Distance: 0.167 mi., 880 ft.  
Elevation: 128 ft.  
Relative: Higher

**Site Name :** 475830122462101  
47.974812, -122.773832  
WA  
**Database(s) :** [NWIS]

**Envirosite ID:** 20211205  
**EPA ID:** N/R

**NWIS**

Site Identification Number :	475830122462101
Site Type :	Well
Station Name :	29N/01W-26M03
Agency :	U.S. Geological Survey
District :	N/R
State :	WA
County :	Jefferson County
Country :	USA
Land Net Location :	NWSWS26 T29N R01W W
Name of Location Map :	CENTER
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	124.08
Method Altitude Determined :	Interpolated from Digital Elevation Model



Map Id: 16  
Direction: SSE  
Distance: 0.167 mi., 880 ft.  
Elevation: 128 ft.  
Relative: Higher

**Site Name :** 475830122462101  
47.974812, -122.773832  
WA  
**Database(s) :** [NWIS] (*cont.*)

**Envirosite ID:** 20211205  
**EPA ID:** N/R

**NWIS (*cont.*)**

Altitude Accuracy : 1  
Altitude Datum : North American Vertical Datum of 1988  
Hydrologic Unit : Puget Sound  
Drainage Basin : Pacific Northwest Region  
Topographic Setting : N/R  
Flags for the Type of Data Collected: NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO  
Flags for Instruments at Site : NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN  
Date of First Construction : 1993-01-01  
Date Site Established or Inventoried: 2002-04-16  
Drainage Area : N/R  
Contributing Drainage Area : N/R  
Data Reliability : Minimal data.  
Data-Other GW Files : YY Y  
National Aquifer : N/R  
Local Aquifer : N/R  
Local Aquifer Type : N/R  
Well Depth : 38  
Hole Depth : 41  
Source of Depth Data : O  
Project Number : WA45800  
Real-Time Data Flag : 0  
Peak-Streamflow Data Begin Date : N/R  
Peak-Streamflow Data End Date : N/R  
Peak-Streamflow Data Count : 0  
Water-Quality Data Begin Date : N/R  
Water-Quality Data End Date : N/R  
Water-Quality Data Count : 0  
Field Water-Level Measurements Begin  
Date: 2002-04-16  
Field Water-level Measurements End  
Date: 2002-04-16  
Field Water-Level Measurements Count: 1  
Site-Visit Data Begin Date : N/R  
Site-Visit Data End Date : N/R  
Site-Visit Data Count : 0  
Latitude : 47.974812  
Longitude : -122.773832  
Last Date in Agency List : 2022-08-15

Map Id: 17  
Direction: W  
Distance: 0.169 mi., 893 ft.  
Elevation: 238 ft.  
Relative: Higher

**Site Name :** 743203  
47.986274, -122.786658  
WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47854285  
**EPA ID:** N/R

**WELLS - WA**

Well Tag Number : ALK368  
NIT ID Number : W270131  
Well Type Code : W  
Well Address : N/R



Map Id: 17  
 Direction: W  
 Distance: 0.169 mi., 893 ft.  
 Elevation: 238 ft.  
 Relative: Higher

**Site Name :** 743203  
 47.986274, -122.786658  
 WA  
**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47854285  
**EPA ID:** N/R

## WELLS - WA (**cont.**)

County ID : 31  
 Region Code : 2  
 Well Completion Date : 2011-08-17  
 Well Log Received Date : 2011-09-06  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 40  
 Well Owner Name : Russell M Caylor  
 Driller Number : N/R  
 Section/Township/Range : SEC 22, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : SE  
 QTR QTR Section CD : SW  
 Tax Parcel Number : 901224017  
 Last Update : 2011-09-23  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Map Id: 18  
 Direction: NNW  
 Distance: 0.179 mi., 944 ft.  
 Elevation: 177 ft.  
 Relative: Higher

**Site Name :** 1118380 | 54607  
 47.9935, -122.781235  
 WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47824571  
**EPA ID:** N/R

## WELLS - WA

Well Tag Number : ABB844  
 NIT ID Number : W040856  
 Well Type Code : W  
 Well Address : PARADISE BAY RD, PORT LUDLOW  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : 1994-12-20  
 Well Log Received Date : 1995-01-26  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 85  
 Well Owner Name : J.M. PLASKETT  
 Driller Number : 1911  
 Section/Township/Range : SEC 22, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : NE  
 QTR QTR Section CD : SE  
 Tax Parcel Number : N/R  
 Last Update : N/R  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : N/R  
 NIT ID Number : N/R  
 Well Type Code : W  
 Well Address : N/R



Map Id: 18  
Direction: NNW  
Distance: 0.179 mi., 944 ft.  
Elevation: 177 ft.  
Relative: Higher

**Site Name :** 1118380 | 54607  
47.9935, -122.781235  
WA  
**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47824571  
**EPA ID:** N/R

**WELLS - WA (cont.)**

County ID :	31
Region Code :	2
Well Completion Date :	N/R
Well Log Received Date :	N/R
Well Diameter Quarter :	6
Well Dept Quarter :	186.5
Well Owner Name :	MERLE MEACHAM
Driller Number :	N/R
Section/Township/Range :	SEC 22, TWP 29N, RNG 01W
Range Fraction Number :	N/R
QTR Section CD :	NE
QTR QTR Section CD :	SE
Tax Parcel Number :	N/R
Last Update :	2016-01-06
WRIA Number :	17
Last Date in Agency List :	2022-10-18

Map Id: 19  
Direction: SSW  
Distance: 0.186 mi., 981 ft.  
Elevation: 166 ft.  
Relative: Higher

**Site Name :** 826213 | 826223 | 877506  
47.975434, -122.781526  
WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47836119  
**EPA ID:** N/R

**WELLS - WA**

Well Tag Number :	BHX007
NIT ID Number :	WE16633
Well Type Code :	W
Well Address :	334 Country Meadow Rd, Chimacum 98325
County ID :	31
Region Code :	2
Well Completion Date :	2013-07-23
Well Log Received Date :	2013-08-21
Well Diameter Quarter :	6
Well Dept Quarter :	82
Well Owner Name :	Mike Gould
Driller Number :	N/R
Section/Township/Range :	SEC 27, TWP 29N, RNG 01W
Range Fraction Number :	N/R
QTR Section CD :	SE
QTR QTR Section CD :	NE
Tax Parcel Number :	901274010
Last Update :	2013-11-01
WRIA Number :	17
Last Date in Agency List :	2022-10-18

Well Tag Number :	N/R
NIT ID Number :	AE06120
Well Type Code :	A
Well Address :	293 MEADOW RD., CHIMACUM 98325



Map Id: 19  
Direction: SSW  
Distance: 0.186 mi., 981 ft.  
Elevation: 166 ft.  
Relative: Higher

**Site Name :** 826213 | 826223 | 877506  
47.975434, -122.781526  
WA  
**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47836119  
**EPA ID:** N/R

**WELLS - WA (cont.)**

County ID : 31  
Region Code : 2  
Well Completion Date : 2011-06-09  
Well Log Received Date : 2011-11-16  
Well Diameter Quarter : 6  
Well Dept Quarter : 125  
Well Owner Name : DAVID C. FOSTER  
Driller Number : N/R  
Section/Township/Range : SEC 27, TWP 29N, RNG 01W  
Range Fraction Number : N/R  
QTR Section CD : SE  
QTR QTR Section CD : NE  
Tax Parcel Number : 901274008  
Last Update : 2012-11-16  
WRIA Number : 17  
Last Date in Agency List : 2022-10-18

Well Tag Number : N/R  
NIT ID Number : WE09819  
Well Type Code : W  
Well Address : 293 MEADOW RD., CHIMACUM 98325  
County ID : 31  
Region Code : 2  
Well Completion Date : 2009-06-08  
Well Log Received Date : 2011-11-16  
Well Diameter Quarter : 6  
Well Dept Quarter : 125  
Well Owner Name : DAVID C. FOSTER  
Driller Number : N/R  
Section/Township/Range : SEC 27, TWP 29N, RNG 01W  
Range Fraction Number : N/R  
QTR Section CD : SE  
QTR QTR Section CD : NE  
Tax Parcel Number : 901274008  
Last Update : 2012-11-16  
WRIA Number : 17  
Last Date in Agency List : 2022-10-18

Map Id: 20  
Direction: NNE  
Distance: 0.213 mi., 1127 ft.  
Elevation: 141 ft.  
Relative: Higher

**Site Name :** 47560 | 49096  
47.993444, -122.770502  
WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47806748  
**EPA ID:** N/R

**WELLS - WA**

Well Tag Number : N/R  
NIT ID Number : 069670  
Well Type Code : W  
Well Address : 1031 CENTER RD, CHIMACUM



Map Id: 20  
Direction: NNE  
Distance: 0.213 mi., 1127 ft.  
Elevation: 141 ft.  
Relative: Higher

**Site Name :** 47560 | 49096  
47.993444, -122.770502  
WA  
**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47806748  
**EPA ID:** N/R

**WELLS - WA (cont.)**

County ID : 31  
Region Code : 2  
Well Completion Date : N/R  
Well Log Received Date : 1991-10-28  
Well Diameter Quarter : 6  
Well Dept Quarter : 87  
Well Owner Name : GREG BENTON  
Driller Number : 0868  
Section/Township/Range : SEC 23, TWP 29N, RNG 01W  
Range Fraction Number : N/R  
QTR Section CD : NW  
QTR QTR Section CD : SE  
Tax Parcel Number : N/R  
Last Update : N/R  
WRIA Number : 17  
Last Date in Agency List : 2022-10-18

Well Tag Number : N/R  
NIT ID Number : N/R  
Well Type Code : W  
Well Address : N/R  
County ID : 31  
Region Code : 2  
Well Completion Date : 1978-01-24  
Well Log Received Date : N/R  
Well Diameter Quarter : 6  
Well Dept Quarter : 81  
Well Owner Name : JOHN MORGESON  
Driller Number : 0473  
Section/Township/Range : SEC 23, TWP 29N, RNG 01W  
Range Fraction Number : N/R  
QTR Section CD : NW  
QTR QTR Section CD : SE  
Tax Parcel Number : N/R  
Last Update : N/R  
WRIA Number : 17  
Last Date in Agency List : 2022-10-18

Map Id: 21  
Direction: W  
Distance: 0.221 mi., 1170 ft.  
Elevation: 197 ft.  
Relative: Higher

**Site Name :** 44359 | 49227 | 53085  
47.982654, -122.786705  
WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47775844  
**EPA ID:** N/R

**WELLS - WA**

Well Tag Number : N/R  
NIT ID Number : 005962  
Well Type Code : W  
Well Address : N/R



Map Id: 21  
Direction: W  
Distance: 0.221 mi., 1170 ft.  
Elevation: 197 ft.  
Relative: Higher

**Site Name :** 44359 | 49227 | 53085  
47.982654, -122.786705  
WA  
**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47775844  
**EPA ID:** N/R

**WELLS - WA (cont.)**

County ID :	31
Region Code :	2
Well Completion Date :	1987-10-02
Well Log Received Date :	N/R
Well Diameter Quarter :	6
Well Dept Quarter :	52
Well Owner Name :	BILL ANDERSON
Driller Number :	0483
Section/Township/Range :	SEC 27, TWP 29N, RNG 01W
Range Fraction Number :	N/R
QTR Section CD :	NE
QTR QTR Section CD :	NW
Tax Parcel Number :	N/R
Last Update :	N/R
WRIA Number :	17
Last Date in Agency List :	2022-10-18
Well Tag Number :	N/R
NIT ID Number :	067774
Well Type Code :	W
Well Address :	393 WINDRIDGE RD, CHIMACUM
County ID :	31
Region Code :	2
Well Completion Date :	1992-08-25
Well Log Received Date :	N/R
Well Diameter Quarter :	6
Well Dept Quarter :	412
Well Owner Name :	JONICA KEEL
Driller Number :	1717
Section/Township/Range :	SEC 27, TWP 29N, RNG 01W
Range Fraction Number :	N/R
QTR Section CD :	NE
QTR QTR Section CD :	NW
Tax Parcel Number :	N/R
Last Update :	N/R
WRIA Number :	17
Last Date in Agency List :	2022-10-18
Well Tag Number :	N/R
NIT ID Number :	N/R
Well Type Code :	W
Well Address :	94 WINDRIDGE, CHIMACUM
County ID :	31
Region Code :	2
Well Completion Date :	1993-06-23
Well Log Received Date :	N/R
Well Diameter Quarter :	6
Well Dept Quarter :	224
Well Owner Name :	T PORTO
Driller Number :	1717
Section/Township/Range :	SEC 27, TWP 29N, RNG 01W
Range Fraction Number :	N/R
QTR Section CD :	NE
QTR QTR Section CD :	NW
Tax Parcel Number :	N/R



Map Id: 21  
Direction: W  
Distance: 0.221 mi., 1170 ft.  
Elevation: 197 ft.  
Relative: Higher

**Site Name :** 44359 | 49227 | 53085  
47.982654, -122.786705  
WA  
**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47775844  
**EPA ID:** N/R

**WELLS - WA (cont.)**

Last Update : N/R  
WRIA Number : 17  
Last Date in Agency List : 2022-10-18

Map Id: A22  
Direction: S  
Distance: 0.224 mi., 1185 ft.  
Elevation: 124 ft.  
Relative: Lower

**Site Name :** 475827122463601  
47.974007, -122.77786  
WA  
**Database(s) :** [NWIS]

**Envirosite ID:** 20246471  
**EPA ID:** N/R

**NWIS**

Site Identification Number : 475827122463601  
Site Type : Well  
Station Name : 29N/01W-26M01  
Agency : U.S. Geological Survey  
District : N/R  
State : WA  
County : Jefferson County  
Country : USA  
Land Net Location : NWSWS26 T29N R01W W  
Name of Location Map : CENTER  
Scale of Location Map : 24000  
Altitude of Gage/Land Surface : 130.83  
Method Altitude Determined : Interpolated from Digital Elevation Model  
Altitude Accuracy : 1  
Altitude Datum : North American Vertical Datum of 1988  
Hydrologic Unit : Puget Sound  
Drainage Basin : Pacific Northwest Region  
Topographic Setting : N/R  
Flags for the Type of Data Collected : NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO  
Flags for Instruments at Site : NNNNNNNNNNNNNNNNNNNNNNNNNNNNN  
Date of First Construction : N/R  
Date Site Established or Inventoried : 2002-04-10  
Drainage Area : N/R  
Contributing Drainage Area : N/R  
Data Reliability : Data have been checked by the reporting agency.  
Data-Other GW Files : YY Y  
National Aquifer : N/R  
Local Aquifer : N/R  
Local Aquifer Type : N/R  
Well Depth : N/R  
Hole Depth : N/R  
Source of Depth Data : N/R  
Project Number : WA45800  
Real-Time Data Flag : 0  
Peak-Streamflow Data Begin Date : N/R  
Peak-Streamflow Data End Date : N/R  
Peak-Streamflow Data Count : 0  
Water-Quality Data Begin Date : N/R  
Water-Quality Data End Date : N/R



**Envirosite ID:** 20246471  
**EPA ID:** N/R

Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	2002-04-13
Field Water-level Measurements End Date:	2009-12-17
Field Water-Level Measurements Count:	39
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	47.974007
Longitude :	-122.77786
Last Date in Agency List :	2022-08-15

**Envirosite ID:** 19994716  
**EPA ID:** N/R

[illegible]



Map Id: A23  
Direction: S  
Distance: 0.226 mi., 1194 ft.  
Elevation: 124 ft.  
Relative: Lower

**Site Name :** 12051500  
47.973979, -122.777665  
WA  
**Database(s) :** [NWIS] (**cont.**)

**Envirosite ID:** 19994716  
**EPA ID:** N/R

**NWIS (cont.)**

Hole Depth : N/R  
Source of Depth Data : N/R  
Project Number : N/R  
Real-Time Data Flag : 0  
Peak-Streamflow Data Begin Date : 1953-01-09  
Peak-Streamflow Data End Date : 1957-02-26  
Peak-Streamflow Data Count : 5  
Water-Quality Data Begin Date : 1972-11-28  
Water-Quality Data End Date : 1973-09-24  
Water-Quality Data Count : 5  
Field Water-Level Measurements Begin Date: N/R  
Field Water-level Measurements End Date: N/R  
Field Water-Level Measurements Count: 0  
Site-Visit Data Begin Date : 2002-06-26  
Site-Visit Data End Date : 2002-06-26  
Site-Visit Data Count : 2  
Latitude : 47.973979  
Longitude : -122.777665  
Last Date in Agency List : 2022-08-15

Map Id: 24  
Direction: SSE  
Distance: 0.229 mi., 1210 ft.  
Elevation: 142 ft.  
Relative: Higher

**Site Name :** 475826122461701  
47.973889, -122.771389  
WA  
**Database(s) :** [NWIS]

**Envirosite ID:** 20212732  
**EPA ID:** N/R

**NWIS**

Site Identification Number : 475826122461701  
Site Type : Well  
Station Name : 29N/01W-26L01  
Agency : U.S. Geological Survey  
District : N/R  
State : WA  
County : Jefferson County  
Country : USA  
Land Net Location : NESWS26 T29N R01W W  
Name of Location Map : N/R  
Scale of Location Map : N/R  
Altitude of Gage/Land Surface : 150  
Method Altitude Determined : Light Detection And Ranging, airplane  
Altitude Accuracy : 1  
Altitude Datum : North American Vertical Datum of 1988  
Hydrologic Unit : Puget Sound  
Drainage Basin : N/R  
Topographic Setting : N/R  
Flags for the Type of Data Collected: NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO  
Flags for Instruments at Site : NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN  
Date of First Construction : 2007-11-15



Map Id: 24  
Direction: SSE  
Distance: 0.229 mi., 1210 ft.  
Elevation: 142 ft.  
Relative: Higher

**Site Name :** 475826122461701  
47.973889, -122.771389  
WA  
**Database(s) :** [NWIS] (*cont.*)

**Envirosite ID:** 20212732  
**EPA ID:** N/R

**NWIS (*cont.*)**

Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Unchecked data.
Data-Other GW Files :	YY Y
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	164
Hole Depth :	164
Source of Depth Data :	D
Project Number :	WACYV00
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	2007-11-16
Field Water-level Measurements End Date:	2007-11-16
Field Water-Level Measurements Count:	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	47.973889
Longitude :	-122.771389
Last Date in Agency List :	2022-08-15

Map Id: 25  
Direction: NE  
Distance: 0.246 mi., 1298 ft.  
Elevation: 238 ft.  
Relative: Higher

**Site Name :** 1118340 | 190937  
47.991621, -122.76783  
WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47839870  
**EPA ID:** N/R

**WELLS - WA**

Well Tag Number :	ACB300
NIT ID Number :	W116807
Well Type Code :	W
Well Address :	N/R
County ID :	31
Region Code :	2
Well Completion Date :	1999-08-02
Well Log Received Date :	1999-08-29
Well Diameter Quarter :	6
Well Dept Quarter :	65
Well Owner Name :	JIM NIQUETTE
Driller Number :	0779



Map Id: 25  
Direction: NE  
Distance: 0.246 mi., 1298 ft.  
Elevation: 238 ft.  
Relative: Higher

**Site Name :** 1118340 | 190937  
47.991621, -122.76783  
WA  
**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47839870  
**EPA ID:** N/R

WELLS - WA (**cont.**)

Section/Township/Range : SEC 23, TWP 29N, RNG 01W  
Range Fraction Number : N/R  
QTR Section CD : N/R  
QTR QTR Section CD : N/R  
Tax Parcel Number : N/R  
Last Update : 2018-07-26  
WRIA Number : 17  
Last Date in Agency List : 2022-10-18

Well Tag Number : N/R  
NIT ID Number : N/R  
Well Type Code : W  
Well Address : N/R  
County ID : 31  
Region Code : 2  
Well Completion Date : N/R  
Well Log Received Date : N/R  
Well Diameter Quarter : 0  
Well Dept Quarter : 0  
Well Owner Name : NORRIS AND LAURA SHORT  
Driller Number : N/R  
Section/Township/Range : SEC 23, TWP 29N, RNG 1W  
Range Fraction Number : N/R  
QTR Section CD : N/R  
QTR QTR Section CD : N/R  
Tax Parcel Number : N/R  
Last Update : 2016-01-06  
WRIA Number : N/R  
Last Date in Agency List : 2022-10-18

Map Id: 26  
Direction: NNE  
Distance: 0.252 mi., 1329 ft.  
Elevation: 118 ft.  
Relative: Lower

**Site Name :** 48367  
47.99526, -122.77317  
WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47903640  
**EPA ID:** N/R

## WELLS - WA

Well Tag Number : N/R  
NIT ID Number : 068358  
Well Type Code : W  
Well Address : CUSTER VALLEY RD, CHIMACUM  
County ID : 31  
Region Code : 2  
Well Completion Date : 1992-11-13  
Well Log Received Date : N/R  
Well Diameter Quarter : 6  
Well Dept Quarter : 61  
Well Owner Name : JAMES SHAW  
Driller Number : 0779



Map Id: 26  
Direction: NNE  
Distance: 0.252 mi., 1329 ft.  
Elevation: 118 ft.  
Relative: Lower

**Site Name :** 48367  
47.99526, -122.77317  
WA  
**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47903640  
**EPA ID:** N/R

**WELLS - WA (cont.)**

Section/Township/Range :	SEC 23, TWP 29N, RNG 01W
Range Fraction Number :	N/R
QTR Section CD :	NW
QTR QTR Section CD :	N/R
Tax Parcel Number :	N/R
Last Update :	N/R
WRIA Number :	17
Last Date in Agency List :	2022-10-18

Map Id: 27  
Direction: WNW  
Distance: 0.280 mi., 1477 ft.  
Elevation: 338 ft.  
Relative: Higher

**Site Name :** 1118331 | 1118381 | 46685  
47.99171, -122.789392  
WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47835533  
**EPA ID:** N/R

**WELLS - WA**

Well Tag Number :	N/R
NIT ID Number :	N/R
Well Type Code :	W
Well Address :	N/R
County ID :	31
Region Code :	2
Well Completion Date :	N/R
Well Log Received Date :	N/R
Well Diameter Quarter :	0
Well Dept Quarter :	0
Well Owner Name :	MEACHAM
Driller Number :	N/R
Section/Township/Range :	SEC 22, TWP 29N, RNG 1W
Range Fraction Number :	N/R
QTR Section CD :	N/R
QTR QTR Section CD :	N/R
Tax Parcel Number :	N/R
Last Update :	2016-01-06
WRIA Number :	N/R
Last Date in Agency List :	2022-10-18

Well Tag Number :	N/R
NIT ID Number :	N/R
Well Type Code :	W
Well Address :	N/R
County ID :	31
Region Code :	2
Well Completion Date :	N/R
Well Log Received Date :	N/R
Well Diameter Quarter :	0
Well Dept Quarter :	0
Well Owner Name :	WATSON CLOCKSIN
Driller Number :	N/R



Map Id: 27  
 Direction: WNW  
 Distance: 0.280 mi., 1477 ft.  
 Elevation: 338 ft.  
 Relative: Higher

**Site Name :** 1118331 | 1118381 | 46685  
 47.99171, -122.789392  
 WA  
**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47835533  
**EPA ID:** N/R

## WELLS - WA (**cont.**)

Section/Township/Range : SEC 22, TWP 29N, RNG 1W  
 Range Fraction Number : N/R  
 QTR Section CD : N/R  
 QTR QTR Section CD : N/R  
 Tax Parcel Number : N/R  
 Last Update : 2016-01-06  
 WRIA Number : N/R  
 Last Date in Agency List : 2022-10-18

Well Tag Number : N/R  
 NIT ID Number : N/R  
 Well Type Code : W  
 Well Address : N/R  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : 1981-03-20  
 Well Log Received Date : 1981-06-20  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 84  
 Well Owner Name : ELTON CLAVELAND  
 Driller Number : 0797  
 Section/Township/Range : SEC 22, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : N/R  
 QTR QTR Section CD : N/R  
 Tax Parcel Number : N/R  
 Last Update : N/R  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : N/R  
 NIT ID Number : N/R  
 Well Type Code : W  
 Well Address : N/R  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : 1983-03-30  
 Well Log Received Date : 1983-06-07  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 343  
 Well Owner Name : JOHN CRAIG  
 Driller Number : 0779  
 Section/Township/Range : SEC 22, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : N/R  
 QTR QTR Section CD : N/R  
 Tax Parcel Number : N/R  
 Last Update : N/R  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18



Map Id: 28  
Direction: SE  
Distance: 0.306 mi., 1615 ft.  
Elevation: 444 ft.  
Relative: Higher

**Site Name :** 44177  
47.975326, -122.76529  
WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47848742  
**EPA ID:** N/R

## WELLS - WA

Well Tag Number : N/R  
NIT ID Number : 017111  
Well Type Code : W  
Well Address : 2726 CENTER VALLEY RD, CHIMACUM, 98327  
County ID : 31  
Region Code : 2  
Well Completion Date : 1988-12-06  
Well Log Received Date : N/R  
Well Diameter Quarter : 5  
Well Dept Quarter : N/R  
Well Owner Name : AVCO FINNANCIAL SERVICE  
Driller Number : 0458  
Section/Township/Range : SEC 26, TWP 29N, RNG 01W  
Range Fraction Number : N/R  
QTR Section CD : SE  
QTR QTR Section CD : NW  
Tax Parcel Number : N/R  
Last Update : N/R  
WRIA Number : 17  
Last Date in Agency List : 2022-10-18

Map Id: 29  
Direction: SSE  
Distance: 0.306 mi., 1615 ft.  
Elevation: 156 ft.  
Relative: Higher

**Site Name :** 475822122461701  
47.972778, -122.771389  
WA  
**Database(s) :** [NWIS]

**Envirosite ID:** 20130755  
**EPA ID:** N/R

## NWIS

Site Identification Number : 475822122461701  
Site Type : Well  
Station Name : 29N/01W-26P01  
Agency : U.S. Geological Survey  
District : N/R  
State : WA  
County : Jefferson County  
Country : USA  
Land Net Location : SESWS26 T29N R01W W  
Name of Location Map : N/R  
Scale of Location Map : N/R  
Altitude of Gage/Land Surface : 162  
Method Altitude Determined : Light Detection And Ranging, airplane  
Altitude Accuracy : 1  
Altitude Datum : North American Vertical Datum of 1988  
Hydrologic Unit : Puget Sound  
Drainage Basin : N/R  
Topographic Setting : N/R  
Flags for the Type of Data Collected: NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO  
Flags for Instruments at Site : NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN  
Date of First Construction : 2007-11-28  
Date Site Established or Inventoried: N/R



Map Id: 29  
 Direction: SSE  
 Distance: 0.306 mi., 1615 ft.  
 Elevation: 156 ft.  
 Relative: Higher

**Site Name :** 475822122461701  
 47.972778, -122.771389  
 WA  
**Database(s) :** [NWIS] (*cont.*)

**Envirosite ID:** 20130755  
**EPA ID:** N/R

## NWIS (*cont.*)

Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Unchecked data.
Data-Other GW Files :	YY Y
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	143
Hole Depth :	147
Source of Depth Data :	D
Project Number :	WACYV00
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	2007-11-30
Field Water-level Measurements End Date:	2007-11-30
Field Water-Level Measurements Count:	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	47.972778
Longitude :	-122.771389
Last Date in Agency List :	2022-08-15

Map Id: 30  
 Direction: WSW  
 Distance: 0.309 mi., 1632 ft.  
 Elevation: 184 ft.  
 Relative: Higher

**Site Name :** 12051502  
 47.981479, -122.787666  
 WA  
**Database(s) :** [NWIS]

**Envirosite ID:** 20006541  
**EPA ID:** N/R

## NWIS

Site Identification Number :	12051502
Site Type :	Stream
Station Name :	CHIMACUM CREEK TRIB BELOW W VALLEY RD NR CHIMACUM
Agency :	U.S. Geological Survey
District :	N/R
State :	WA
County :	Jefferson County
Country :	USA
Land Net Location :	NWNES27 T29N R01W W
Name of Location Map :	N/R
Scale of Location Map :	N/R
Altitude of Gage/Land Surface :	N/R
Method Altitude Determined :	N/R



## 2022

**Envirosite ID:** 20006541  
**EPA ID:** N/R

[illegible]

**Envirosite ID:** 20241072  
**EPA ID:** N/R

Site Identification Number : 475858122454501  
Site Type : Well  
Station Name : 29N/01W-24K02  
Agency : U.S. Geological Survey



Map Id: 31  
 Direction: E  
 Distance: 0.339 mi., 1790 ft.  
 Elevation: 484 ft.  
 Relative: Higher

**Site Name :** 475858122454501  
 47.98259, -122.763776  
 WA  
**Database(s) :** [NWIS] (*cont.*)

**Envirosite ID:** 20241072  
**EPA ID:** N/R

NWIS (*cont.*)

District :	N/R
State :	WA
County :	Jefferson County
Country :	USA
Land Net Location :	NWSES24 T29N R01W W
Name of Location Map :	PLATE 3 BULLETIN 54
Scale of Location Map :	48000
Altitude of Gage/Land Surface :	160
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	5
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Puget Sound
Drainage Basin :	Pacific Northwest Region
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	1960-05-25
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Minimal data.
Data-Other GW Files :	YYNNNYNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	58
Hole Depth :	N/R
Source of Depth Data :	A
Project Number :	WA08900
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1960-05-25
Field Water-level Measurements End Date:	1977-09-15
Field Water-Level Measurements Count:	2
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	47.98259
Longitude :	-122.763776
Last Date in Agency List :	2022-08-15



Map Id: 32  
 Direction: NW  
 Distance: 0.351 mi., 1856 ft.  
 Elevation: 337 ft.  
 Relative: Higher

**Site Name :** 475940122471201  
 47.994256, -122.787944  
 WA  
**Database(s) :** [NWIS]

**Envirosite ID:** 20255518  
**EPA ID:** N/R

## NWIS

Site Identification Number :	475940122471201
Site Type :	Well
Station Name :	29N/01W-22G01
Agency :	U.S. Geological Survey
District :	N/R
State :	WA
County :	Jefferson County
Country :	USA
Land Net Location :	SWNES22 T29N R01W W
Name of Location Map :	CENTER
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	290
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	1
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Puget Sound
Drainage Basin :	Pacific Northwest Region
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	N/R
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Unchecked data.
Data-Other GW Files :	YYNNNYNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	186
Hole Depth :	N/R
Source of Depth Data :	D
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1975-08-15
Field Water-level Measurements End Date:	1975-08-15
Field Water-Level Measurements Count:	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	47.994256
Longitude :	-122.787944
Last Date in Agency List :	2022-08-15



Map Id: 33  
Direction: W  
Distance: 0.356 mi., 1878 ft.  
Elevation: 234 ft.  
Relative: Higher

**Site Name :** 475856122471801  
47.982062, -122.78961  
WA  
**Database(s) :** [NWIS]

**Envirosite ID:** 20254625  
**EPA ID:** N/R

## NWIS

Site Identification Number :	475856122471801
Site Type :	Well
Station Name :	29N/01W-27C01
Agency :	U.S. Geological Survey
District :	N/R
State :	WA
County :	Jefferson County
Country :	USA
Land Net Location :	NENWS27 T29N R01W W
Name of Location Map :	CENTER
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	260.40
Method Altitude Determined :	Interpolated from Digital Elevation Model
Altitude Accuracy :	1
Altitude Datum :	North American Vertical Datum of 1988
Hydrologic Unit :	Puget Sound
Drainage Basin :	Pacific Northwest Region
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	2000-11-09
Date Site Established or Inventoried:	2002-03-07
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-Other GW Files :	YYY Y
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	70
Hole Depth :	70
Source of Depth Data :	D
Project Number :	WA45800
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	2000-11-14
Field Water-level Measurements End Date:	2002-10-18
Field Water-Level Measurements Count:	7
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	47.982062
Longitude :	-122.78961
Last Date in Agency List :	2022-08-15



Map Id: B34  
 Direction: S  
 Distance: 0.366 mi., 1933 ft.  
 Elevation: 172 ft.  
 Relative: Higher

**Site Name :** 475819122463501  
 47.971944, -122.776389  
 WA  
**Database(s) :** [NWIS]

**Envirosite ID:** 20212599  
**EPA ID:** N/R

## NWIS

Site Identification Number :	475819122463501
Site Type :	Well
Station Name :	29N/01W-26N01
Agency :	U.S. Geological Survey
District :	N/R
State :	WA
County :	Jefferson County
Country :	USA
Land Net Location :	SWWS26 T29N R01W W
Name of Location Map :	N/R
Scale of Location Map :	N/R
Altitude of Gage/Land Surface :	174
Method Altitude Determined :	Light Detection And Ranging, airplane
Altitude Accuracy :	1
Altitude Datum :	North American Vertical Datum of 1988
Hydrologic Unit :	Puget Sound
Drainage Basin :	N/R
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	2007-04-17
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Unchecked data.
Data-Other GW Files :	YY Y
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	N/R
Hole Depth :	103
Source of Depth Data :	D
Project Number :	WACYV00
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	2007-04-18
Field Water-level Measurements End Date:	2007-04-18
Field Water-Level Measurements Count:	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	47.971944
Longitude :	-122.776389
Last Date in Agency List :	2022-08-15



Map Id: B35  
Direction: S  
Distance: 0.376 mi., 1985 ft.  
Elevation: 175 ft.  
Relative: Higher

**Site Name :** 376646 | 409628 | 409654  
47.971802, -122.776237  
WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47821929  
**EPA ID:** N/R

## WELLS - WA

Well Tag Number :	N/R
NIT ID Number :	W224429
Well Type Code :	W
Well Address :	62 BARN SWALLOW
County ID :	31
Region Code :	2
Well Completion Date :	2007-04-18
Well Log Received Date :	2007-08-22
Well Diameter Quarter :	6
Well Dept Quarter :	N/R
Well Owner Name :	KEITH KISLER
Driller Number :	N/R
Section/Township/Range :	SEC 26, TWP 29N, RNG 01W
Range Fraction Number :	N/R
QTR Section CD :	SW
QTR QTR Section CD :	SW
Tax Parcel Number :	N/R
Last Update :	2007-10-10
WRIA Number :	17
Last Date in Agency List :	2022-10-18

Well Tag Number :	N/R
NIT ID Number :	A044280
Well Type Code :	A
Well Address :	CENTER VALLEY RD, CHIMACUM
County ID :	31
Region Code :	2
Well Completion Date :	2003-04-18
Well Log Received Date :	2005-06-15
Well Diameter Quarter :	N/R
Well Dept Quarter :	N/R
Well Owner Name :	REED WALTERS
Driller Number :	N/R
Section/Township/Range :	SEC 26, TWP 29N, RNG 01W
Range Fraction Number :	N/R
QTR Section CD :	SW
QTR QTR Section CD :	SW
Tax Parcel Number :	N/R
Last Update :	2005-06-22
WRIA Number :	17
Last Date in Agency List :	2022-10-18

Well Tag Number :	N/R
NIT ID Number :	W157433
Well Type Code :	W
Well Address :	CENTER VALLEY RD, CHIMACUM
County ID :	31
Region Code :	2
Well Completion Date :	2003-04-18
Well Log Received Date :	2005-06-15
Well Diameter Quarter :	N/R
Well Dept Quarter :	N/R
Well Owner Name :	REED WALTERS
Driller Number :	N/R
Section/Township/Range :	SEC 26, TWP 29N, RNG 01W



Map Id: B35  
 Direction: S  
 Distance: 0.376 mi., 1985 ft.  
 Elevation: 175 ft.  
 Relative: Higher

**Site Name :** 376646 | 409628 | 409654  
 47.971802, -122.776237  
 WA  
**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47821929  
**EPA ID:** N/R

## WELLS - WA (**cont.**)

Range Fraction Number :	N/R
QTR Section CD :	SW
QTR QTR Section CD :	SW
Tax Parcel Number :	901263017
Last Update :	2005-06-22
WRIA Number :	17
Last Date in Agency List :	2022-10-18
Well Tag Number :	APQ222
NIT ID Number :	W219909
Well Type Code :	W
Well Address :	332 COUNTRY MEADOW, CHIMACUM 98325
County ID :	31
Region Code :	2
Well Completion Date :	2007-09-06
Well Log Received Date :	2007-12-13
Well Diameter Quarter :	6
Well Dept Quarter :	37.6
Well Owner Name :	ELIJAH CHRISTIAN
Driller Number :	N/R
Section/Township/Range :	SEC 26, TWP 29N, RNG 01W
Range Fraction Number :	N/R
QTR Section CD :	SW
QTR QTR Section CD :	SW
Tax Parcel Number :	901274013
Last Update :	2008-01-08
WRIA Number :	17
Last Date in Agency List :	2022-10-18
Well Tag Number :	N/R
NIT ID Number :	006794
Well Type Code :	W
Well Address :	N/R
County ID :	31
Region Code :	2
Well Completion Date :	1988-06-30
Well Log Received Date :	1988-08-31
Well Diameter Quarter :	6
Well Dept Quarter :	N/R
Well Owner Name :	AL STRANDSCOU
Driller Number :	0048
Section/Township/Range :	SEC 26, TWP 29N, RNG 01W
Range Fraction Number :	N/R
QTR Section CD :	SW
QTR QTR Section CD :	SW
Tax Parcel Number :	N/R
Last Update :	N/R
WRIA Number :	17
Last Date in Agency List :	2022-10-18
Well Tag Number :	AHM343
NIT ID Number :	W135498
Well Type Code :	W
Well Address :	2726 CENTER VALLEY RD, CHIMACUM 98325



Map Id: B35  
Direction: S  
Distance: 0.376 mi., 1985 ft.  
Elevation: 175 ft.  
Relative: Higher

**Site Name :** 376646 | 409628 | 409654  
47.971802, -122.776237  
WA  
**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47821929  
**EPA ID:** N/R

**WELLS - WA (cont.)**

County ID :	31
Region Code :	2
Well Completion Date :	2003-09-30
Well Log Received Date :	2003-11-06
Well Diameter Quarter :	6
Well Dept Quarter :	22
Well Owner Name :	ELIJAH CHRISTIAN
Driller Number :	N/R
Section/Township/Range :	SEC 26, TWP 29N, RNG 01W
Range Fraction Number :	N/R
QTR Section CD :	SW
QTR QTR Section CD :	SW
Tax Parcel Number :	N/R
Last Update :	2004-03-25
WRIA Number :	17
Last Date in Agency List :	2022-10-18

Map Id: 36  
Direction: SSE  
Distance: 0.377 mi., 1993 ft.  
Elevation: 216 ft.  
Relative: Higher

**Site Name :** 389000 | 389001 | 413633  
47.971751, -122.770784  
WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47774439  
**EPA ID:** N/R

**WELLS - WA**

Well Tag Number :	ACR132
NIT ID Number :	W095518
Well Type Code :	W
Well Address :	CENTER VALLEY RD, CHIMACUM
County ID :	31
Region Code :	2
Well Completion Date :	1998-04-30
Well Log Received Date :	1998-06-03
Well Diameter Quarter :	6
Well Dept Quarter :	52
Well Owner Name :	BILL FAULK
Driller Number :	0524
Section/Township/Range :	SEC 26, TWP 29N, RNG 01W
Range Fraction Number :	N/R
QTR Section CD :	SW
QTR QTR Section CD :	SE
Tax Parcel Number :	N/R
Last Update :	N/R
WRIA Number :	17
Last Date in Agency List :	2022-10-18

Well Tag Number :	AGS294
NIT ID Number :	W071815
Well Type Code :	W
Well Address :	2603 CENTER RD, CHIMACUM 98325



Map Id: 36  
 Direction: SSE  
 Distance: 0.377 mi., 1993 ft.  
 Elevation: 216 ft.  
 Relative: Higher

**Site Name :** 389000 | 389001 | 413633  
 47.971751, -122.770784  
 WA  
**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47774439  
**EPA ID:** N/R

## WELLS - WA (**cont.**)

County ID : 31  
 Region Code : 2  
 Well Completion Date : 2001-09-21  
 Well Log Received Date : 2005-08-05  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 260  
 Well Owner Name : GEORGE NIEMINEN  
 Driller Number : N/R  
 Section/Township/Range : SEC 26, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : SW  
 QTR QTR Section CD : SE  
 Tax Parcel Number : N/R  
 Last Update : 2005-08-15  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : N/R  
 NIT ID Number : 067031  
 Well Type Code : W  
 Well Address : 2747 CENTER RD, CHIMACUM  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : 1991-03-30  
 Well Log Received Date : 1991-05-21  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 165  
 Well Owner Name : CHRIS KING  
 Driller Number : 1717  
 Section/Township/Range : SEC 26, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : SW  
 QTR QTR Section CD : SE  
 Tax Parcel Number : N/R  
 Last Update : N/R  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : N/R  
 NIT ID Number : A044284  
 Well Type Code : A  
 Well Address : 2287 CENTER VALLEY RD, CHIMACUM  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : 2004-09-15  
 Well Log Received Date : 2004-10-07  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 25  
 Well Owner Name : JIM NORRIS  
 Driller Number : N/R  
 Section/Township/Range : SEC 26, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : SW  
 QTR QTR Section CD : SE  
 Tax Parcel Number : 901263002



Map Id: 36  
 Direction: SSE  
 Distance: 0.377 mi., 1993 ft.  
 Elevation: 216 ft.  
 Relative: Higher

**Site Name :** 389000 | 389001 | 413633  
 47.971751, -122.770784  
 WA  
**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47774439  
**EPA ID:** N/R

## WELLS - WA (**cont.**)

Last Update :	2004-10-25
WRIA Number :	17
Last Date in Agency List :	2022-10-18
Well Tag Number :	AGS295
NIT ID Number :	W088252
Well Type Code :	W
Well Address :	2603 CENTER RD, CHIMACUM 98325
County ID :	31
Region Code :	2
Well Completion Date :	2001-10-28
Well Log Received Date :	2005-08-05
Well Diameter Quarter :	6
Well Dept Quarter :	162
Well Owner Name :	GEORGE NIEMINEN
Driller Number :	N/R
Section/Township/Range :	SEC 26, TWP 29N, RNG 01W
Range Fraction Number :	N/R
QTR Section CD :	SW
QTR QTR Section CD :	SE
Tax Parcel Number :	N/R
Last Update :	2005-08-15
WRIA Number :	17
Last Date in Agency List :	2022-10-18
Well Tag Number :	N/R
NIT ID Number :	W173203
Well Type Code :	W
Well Address :	2687 CENTER RD
County ID :	31
Region Code :	2
Well Completion Date :	2004-09-15
Well Log Received Date :	2004-10-07
Well Diameter Quarter :	6
Well Dept Quarter :	25
Well Owner Name :	JIM NORRIS
Driller Number :	N/R
Section/Township/Range :	SEC 26, TWP 29N, RNG 01W
Range Fraction Number :	N/R
QTR Section CD :	SW
QTR QTR Section CD :	SE
Tax Parcel Number :	N/R
Last Update :	2004-10-25
WRIA Number :	17
Last Date in Agency List :	2022-10-18



Map Id: 37  
 Direction: NW  
 Distance: 0.380 mi., 2009 ft.  
 Elevation: 220 ft.  
 Relative: Higher

**Site Name :** 475944122470201  
 47.995367, -122.785166  
 WA  
**Database(s) :** [NWIS]

**Envirosite ID:** 20308814  
**EPA ID:** N/R

## NWIS

Site Identification Number :	475944122470201
Site Type :	Well
Station Name :	29N/01W-22E01
Agency :	U.S. Geological Survey
District :	N/R
State :	WA
County :	Jefferson County
Country :	USA
Land Net Location :	SWNWS22 T29N R01W W
Name of Location Map :	PLATE 3 BULLETIN 54
Scale of Location Map :	48000
Altitude of Gage/Land Surface :	485
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	5
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Puget Sound
Drainage Basin :	Pacific Northwest Region
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	1975-06-10
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Minimal data.
Data-Other GW Files :	YYNNNYNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	340
Hole Depth :	340
Source of Depth Data :	A
Project Number :	WA08900
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1975-06-10
Field Water-level Measurements End Date:	1975-08-20
Field Water-Level Measurements Count:	2
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	47.995367
Longitude :	-122.785166
Last Date in Agency List :	2022-08-15



Map Id: 38  
 Direction: NE  
 Distance: 0.392 mi., 2069 ft.  
 Elevation: 172 ft.  
 Relative: Higher

**Site Name :** 475945122460201  
 47.995756, -122.768388  
 WA  
**Database(s) :** [NWIS]

**Envirosite ID:** 20133335  
**EPA ID:** N/R

## NWIS

Site Identification Number :	475945122460201
Site Type :	Well
Station Name :	29N/01W-23F01
Agency :	U.S. Geological Survey
District :	N/R
State :	WA
County :	Jefferson County
Country :	USA
Land Net Location :	SENWS23 T29N R01W W
Name of Location Map :	CENTER
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	176.07
Method Altitude Determined :	Interpolated from Digital Elevation Model
Altitude Accuracy :	1
Altitude Datum :	North American Vertical Datum of 1988
Hydrologic Unit :	Puget Sound
Drainage Basin :	Pacific Northwest Region
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	1991-10-21
Date Site Established or Inventoried:	2002-03-06
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-Other GW Files :	YYY Y
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	87
Hole Depth :	87
Source of Depth Data :	D
Project Number :	WA45800
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1991-10-22
Field Water-level Measurements End Date:	2009-12-17
Field Water-Level Measurements Count:	38
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	47.995756
Longitude :	-122.768388
Last Date in Agency List :	2022-08-15



Map Id: 39  
 Direction: NNW  
 Distance: 0.394 mi., 2079 ft.  
 Elevation: 141 ft.  
 Relative: Higher

**Site Name :** 44868 | 633889  
 47.997102, -122.781235  
 WA  
**Database(s) :** [WELLS - WA]

**EnviroSite ID:** 47808196  
**EPA ID:** N/R

## WELLS - WA

Well Tag Number : BAF071  
 NIT ID Number : W272778  
 Well Type Code : W  
 Well Address : 1521 W VALLEY RD, CHIMACUM 98325  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : 2010-01-28  
 Well Log Received Date : 2010-02-04  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 148  
 Well Owner Name : MAY WESTERGAARD  
 Driller Number : N/R  
 Section/Township/Range : SEC 22, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : NE  
 QTR QTR Section CD : NE  
 Tax Parcel Number : 901221001  
 Last Update : 2010-02-08  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : N/R  
 NIT ID Number : N/R  
 Well Type Code : W  
 Well Address : N/R  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : 1980-09-24  
 Well Log Received Date : 1981-05-20  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 79  
 Well Owner Name : C. E. LINDEROTH  
 Driller Number : 0848  
 Section/Township/Range : SEC 22, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : NE  
 QTR QTR Section CD : NE  
 Tax Parcel Number : N/R  
 Last Update : N/R  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18



Map Id: 40  
Direction: SSW  
Distance: 0.402 mi., 2123 ft.  
Elevation: 158 ft.  
Relative: Higher

**Site Name :** 53205  
47.971812, -122.78164  
WA  
**Database(s) :** [WELLS - WA]

**EnviroSite ID:** 47811504  
**EPA ID:** N/R

## WELLS - WA

Well Tag Number : N/R  
NIT ID Number : 063257  
Well Type Code : W  
Well Address : N/R  
County ID : 31  
Region Code : 2  
Well Completion Date : 1991-02-26  
Well Log Received Date : 1991-12-06  
Well Diameter Quarter : 6  
Well Dept Quarter : N/R  
Well Owner Name : TERRY KINLEY  
Driller Number : 0868  
Section/Township/Range : SEC 27, TWP 29N, RNG 01W  
Range Fraction Number : N/R  
QTR Section CD : SE  
QTR QTR Section CD : SE  
Tax Parcel Number : N/R  
Last Update : N/R  
WRIA Number : 17  
Last Date in Agency List : 2022-10-18

Map Id: 41  
Direction: WNW  
Distance: 0.415 mi., 2190 ft.  
Elevation: 486 ft.  
Relative: Higher

**Site Name :** 475935122472601  
47.99284, -122.791805  
WA  
**Database(s) :** [NWIS]

**EnviroSite ID:** 20245010  
**EPA ID:** N/R

## NWIS

Site Identification Number : 475935122472601  
Site Type : Well  
Station Name : 29N/01W-22F03  
Agency : U.S. Geological Survey  
District : N/R  
State : WA  
County : Jefferson County  
Country : USA  
Land Net Location : SENWS22 T29N R01W W  
Name of Location Map : CENTER  
Scale of Location Map : 24000  
Altitude of Gage/Land Surface : 470.43  
Method Altitude Determined : Interpolated from Digital Elevation Model  
Altitude Accuracy : 1  
Altitude Datum : North American Vertical Datum of 1988  
Hydrologic Unit : Puget Sound  
Drainage Basin : Pacific Northwest Region  
Topographic Setting : N/R  
Flags for the Type of Data Collected : NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO  
Flags for Instruments at Site : NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN  
Date of First Construction : 1997-10-28  
Date Site Established or Inventoried : 2002-03-06



Map Id: 41  
Direction: WNW  
Distance: 0.415 mi., 2190 ft.  
Elevation: 486 ft.  
Relative: Higher

**Site Name :** 475935122472601  
47.99284, -122.791805  
WA  
**Database(s) :** [NWIS] (*cont.*)

**Envirosite ID:** 20245010  
**EPA ID:** N/R

**NWIS (*cont.*)**

Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-Other GW Files :	YYY Y
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	354
Hole Depth :	354
Source of Depth Data :	D
Project Number :	WA45800
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1997-11-11
Field Water-level Measurements End Date:	2002-10-23
Field Water-Level Measurements Count:	4
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	47.99284
Longitude :	-122.791805
Last Date in Agency List :	2022-08-15

Map Id: 42  
Direction: SW  
Distance: 0.443 mi., 2338 ft.  
Elevation: 182 ft.  
Relative: Higher

**Site Name :** 475834122471201  
47.975923, -122.787943  
WA  
**Database(s) :** [NWIS]

**Envirosite ID:** 31381102  
**EPA ID:** N/R

**NWIS**

Site Identification Number :	475834122471201
Site Type :	Well
Station Name :	29N/01W-28J01
Agency :	U.S. Geological Survey
District :	N/R
State :	WA
County :	Jefferson County
Country :	USA
Land Net Location :	NESES28 T29N R01W W
Name of Location Map :	PLATE 3 BULLETIN 54
Scale of Location Map :	48000
Altitude of Gage/Land Surface :	430
Method Altitude Determined :	Interpolated from topographic map.



Map Id: 42  
Direction: SW  
Distance: 0.443 mi., 2338 ft.  
Elevation: 182 ft.  
Relative: Higher

**Site Name :** 475834122471201  
47.975923, -122.787943  
WA  
**Database(s) :** [NWIS] (*cont.*)

**Envirosite ID:** 31381102  
**EPA ID:** N/R

**NWIS (*cont.*)**

Altitude Accuracy :	5
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Puget Sound
Drainage Basin :	Pacific Northwest Region
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	1975-08-15
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Minimal data.
Data-Other GW Files :	YYNNYYNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	300
Hole Depth :	N/R
Source of Depth Data :	A
Project Number :	WA08900
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1975-08-15
Field Water-level Measurements End Date:	1975-08-15
Field Water-Level Measurements Count:	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	47.975923
Longitude :	-122.787943
Last Date in Agency List :	2022-08-15

Map Id: 43  
Direction: W  
Distance: 0.444 mi., 2347 ft.  
Elevation: 243 ft.  
Relative: Higher

**Site Name :** 312200  
47.982639, -122.7921  
WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47903932  
**EPA ID:** N/R

**WELLS - WA**

Well Tag Number :	AGC561
NIT ID Number :	W136177
Well Type Code :	W
Well Address :	973 NAYLOR CREEK RD, CHIMACUM, 98325



Map Id: 43  
Direction: W  
Distance: 0.444 mi., 2347 ft.  
Elevation: 243 ft.  
Relative: Higher

**Site Name :** 312200  
47.982639, -122.7921  
WA  
**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47903932  
**EPA ID:** N/R

**WELLS - WA (cont.)**

County ID :	31
Region Code :	2
Well Completion Date :	2001-04-12
Well Log Received Date :	2001-04-25
Well Diameter Quarter :	6
Well Dept Quarter :	88
Well Owner Name :	COR BOWMAN
Driller Number :	N/R
Section/Township/Range :	SEC 27, TWP 29N, RNG 01W
Range Fraction Number :	N/R
QTR Section CD :	NW
QTR QTR Section CD :	NE
Tax Parcel Number :	N/R
Last Update :	2001-11-17
WRIA Number :	17
Last Date in Agency List :	2022-10-18

Map Id: C44  
Direction: WNW  
Distance: 0.450 mi., 2378 ft.  
Elevation: 472 ft.  
Relative: Higher

**Site Name :** 1118319 | 1953971 | 311990  
47.993524, -122.792085  
WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47816260  
**EPA ID:** N/R

**WELLS - WA**

Well Tag Number :	N/R
NIT ID Number :	N/R
Well Type Code :	W
Well Address :	N/R
County ID :	31
Region Code :	2
Well Completion Date :	N/R
Well Log Received Date :	N/R
Well Diameter Quarter :	6
Well Dept Quarter :	343
Well Owner Name :	JOHN RANEY
Driller Number :	N/R
Section/Township/Range :	SEC 22, TWP 29N, RNG 01W
Range Fraction Number :	N/R
QTR Section CD :	NW
QTR QTR Section CD :	SE
Tax Parcel Number :	N/R
Last Update :	2016-01-06
WRIA Number :	17
Last Date in Agency List :	2022-10-18

Well Tag Number :	N/R
NIT ID Number :	W035244
Well Type Code :	W
Well Address :	5782 SR 104, CHIMACUM



Map Id: C44  
 Direction: WNW  
 Distance: 0.450 mi., 2378 ft.  
 Elevation: 472 ft.  
 Relative: Higher

**Site Name :** 1118319 | 1953971 | 311990  
 47.993524, -122.792085  
 WA  
**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47816260  
**EPA ID:** N/R

## WELLS - WA (**cont.**)

County ID : 31  
 Region Code : 2  
 Well Completion Date : 1994-10-15  
 Well Log Received Date : 1996-10-07  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 60  
 Well Owner Name : LLOYDE GOODRICH  
 Driller Number : 1717  
 Section/Township/Range : SEC 22, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : NW  
 QTR QTR Section CD : SE  
 Tax Parcel Number : N/R  
 Last Update : N/R  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : N/R  
 NIT ID Number : N/R  
 Well Type Code : W  
 Well Address : N/R  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : N/R  
 Well Log Received Date : N/R  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 250  
 Well Owner Name : JOHN RANEY  
 Driller Number : 0235  
 Section/Township/Range : SEC 22, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : NW  
 QTR QTR Section CD : SE  
 Tax Parcel Number : N/R  
 Last Update : N/R  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : ACJ799  
 NIT ID Number : W110512  
 Well Type Code : W  
 Well Address : N/R  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : 1999-07-20  
 Well Log Received Date : 2001-03-14  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 204.91  
 Well Owner Name : BRIAN HORNER  
 Driller Number : N/R  
 Section/Township/Range : SEC 22, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : NW  
 QTR QTR Section CD : SE  
 Tax Parcel Number : N/R



Map Id: C44  
 Direction: WNW  
 Distance: 0.450 mi., 2378 ft.  
 Elevation: 472 ft.  
 Relative: Higher

**Site Name :** 1118319 | 1953971 | 311990  
 47.993524, -122.792085  
 WA  
**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47816260  
**EPA ID:** N/R

WELLS - WA (**cont.**)

Last Update :	2001-11-17
WRIA Number :	17
Last Date in Agency List :	2022-10-18
Well Tag Number :	ACR121
NIT ID Number :	W095504
Well Type Code :	W
Well Address :	1147 VAN TROGAN RD, CHIMACUM
County ID :	31
Region Code :	2
Well Completion Date :	1997-11-11
Well Log Received Date :	1998-03-26
Well Diameter Quarter :	6
Well Dept Quarter :	354
Well Owner Name :	DON & APRIL MORIS
Driller Number :	2001
Section/Township/Range :	SEC 22, TWP 29N, RNG 01W
Range Fraction Number :	N/R
QTR Section CD :	NW
QTR QTR Section CD :	SE
Tax Parcel Number :	N/R
Last Update :	N/R
WRIA Number :	17
Last Date in Agency List :	2022-10-18
Well Tag Number :	BKU568
NIT ID Number :	WE38300
Well Type Code :	W
Well Address :	FAWN MEADOWS RD
County ID :	31
Region Code :	2
Well Completion Date :	2020-03-17
Well Log Received Date :	2020-05-06
Well Diameter Quarter :	6
Well Dept Quarter :	261
Well Owner Name :	DAVID EDWARDS
Driller Number :	1463
Section/Township/Range :	SEC 22, TWP 29N, RNG 1W
Range Fraction Number :	N/R
QTR Section CD :	NW
QTR QTR Section CD :	SE
Tax Parcel Number :	901225002
Last Update :	2020-05-08
WRIA Number :	20
Last Date in Agency List :	2022-10-18
Well Tag Number :	N/R
NIT ID Number :	N/R
Well Type Code :	W
Well Address :	N/R
County ID :	31
Region Code :	2
Well Completion Date :	N/R
Well Log Received Date :	N/R



Map Id: C44  
Direction: WNW  
Distance: 0.450 mi., 2378 ft.  
Elevation: 472 ft.  
Relative: Higher

**Site Name :** 1118319 | 1953971 | 311990  
47.993524, -122.792085  
WA  
**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47816260  
**EPA ID:** N/R

**WELLS - WA (cont.)**

Well Diameter Quarter : 6  
Well Dept Quarter : 343  
Well Owner Name : JOHN RANEY  
Driller Number : N/R  
Section/Township/Range : SEC 22, TWP 29N, RNG 01W  
Range Fraction Number : N/R  
QTR Section CD : NW  
QTR QTR Section CD : SE  
Tax Parcel Number : N/R  
Last Update : N/R  
WRIA Number : 17  
Last Date in Agency List : 2022-10-18

Well Tag Number : N/R  
NIT ID Number : N/R  
Well Type Code : W  
Well Address : N/R  
County ID : 31  
Region Code : 2  
Well Completion Date : N/R  
Well Log Received Date : N/R  
Well Diameter Quarter : 6  
Well Dept Quarter : 250  
Well Owner Name : JOHN RANEY  
Driller Number : 0285  
Section/Township/Range : SEC 22, TWP 29N, RNG 01W  
Range Fraction Number : N/R  
QTR Section CD : NW  
QTR QTR Section CD : SE  
Tax Parcel Number : N/R  
Last Update : N/R  
WRIA Number : 17  
Last Date in Agency List : 2022-10-18

Map Id: C45  
Direction: WNW  
Distance: 0.469 mi., 2476 ft.  
Elevation: 463 ft.  
Relative: Higher

**Site Name :** 475938122472801  
47.993701, -122.792389  
WA  
**Database(s) :** [NWIS]

**Envirosite ID:** 20255449  
**EPA ID:** N/R

**NWIS**

Site Identification Number : 475938122472801  
Site Type : Well  
Station Name : 29N/01W-22F01  
Agency : U.S. Geological Survey  
District : N/R  
State : WA  
County : Jefferson County  
Country : USA



Map Id: C45  
 Direction: WNW  
 Distance: 0.469 mi., 2476 ft.  
 Elevation: 463 ft.  
 Relative: Higher

**Site Name :** 475938122472801  
 47.993701, -122.792389  
 WA  
**Database(s) :** [NWIS] (*cont.*)

**EnviroSite ID:** 20255449  
**EPA ID:** N/R

NWIS (*cont.*)

Land Net Location :	SENWS22 T29N R01W W
Name of Location Map :	CENTER
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	440
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	1
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Puget Sound
Drainage Basin :	Pacific Northwest Region
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	1973-01-01
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Unchecked data.
Data-Other GW Files :	YNNNNYNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	250
Hole Depth :	N/R
Source of Depth Data :	D
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1973-11-16
Field Water-level Measurements End Date:	1973-11-16
Field Water-Level Measurements Count:	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	47.993701
Longitude :	-122.792389
Last Date in Agency List :	2022-08-15



Map Id: 46  
Direction: SE  
Distance: 0.469 mi., 2477 ft.  
Elevation: 358 ft.  
Relative: Higher

**Site Name :** 47449  
47.971703, -122.765336  
WA  
**Database(s) :** [WELLS - WA]

**EnviroSite ID:** 47851297  
**EPA ID:** N/R

## WELLS - WA

Well Tag Number : N/R  
NIT ID Number : N/R  
Well Type Code : W  
Well Address : N/R  
County ID : 31  
Region Code : 2  
Well Completion Date : N/R  
Well Log Received Date : N/R  
Well Diameter Quarter : 6  
Well Dept Quarter : 40  
Well Owner Name : GLEN GAULD  
Driller Number : 0285  
Section/Township/Range : SEC 26, TWP 29N, RNG 01W  
Range Fraction Number : N/R  
QTR Section CD : SE  
QTR QTR Section CD : SW  
Tax Parcel Number : N/R  
Last Update : N/R  
WRIA Number : 17  
Last Date in Agency List : 2022-10-18

Map Id: C47  
Direction: WNW  
Distance: 0.501 mi., 2648 ft.  
Elevation: 436 ft.  
Relative: Higher

**Site Name :** 475940122472901  
47.994256, -122.792666  
WA  
**Database(s) :** [NWIS]

**EnviroSite ID:** 20076809  
**EPA ID:** N/R

## NWIS

Site Identification Number : 475940122472901  
Site Type : Well  
Station Name : 29N/01W-22F02  
Agency : U.S. Geological Survey  
District : N/R  
State : WA  
County : Jefferson County  
Country : USA  
Land Net Location : SENWS22 T29N R01W W  
Name of Location Map : CENTER  
Scale of Location Map : 24000  
Altitude of Gage/Land Surface : 440  
Method Altitude Determined : Interpolated from topographic map.  
Altitude Accuracy : 1  
Altitude Datum : National Geodetic Vertical Datum of 1929  
Hydrologic Unit : Puget Sound  
Drainage Basin : Pacific Northwest Region  
Topographic Setting : N/R  
Flags for the Type of Data Collected : NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO  
Flags for Instruments at Site : NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN  
Date of First Construction : 1970-03-01  
Date Site Established or Inventoried : N/R



Map Id: C47  
Direction: WNW  
Distance: 0.501 mi., 2648 ft.  
Elevation: 436 ft.  
Relative: Higher

**Site Name :** 475940122472901  
47.994256, -122.792666  
WA  
**Database(s) :** [NWIS] (*cont.*)

**Envirosite ID:** 20076809  
**EPA ID:** N/R

**NWIS (*cont.*)**

Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Unchecked data.
Data-Other GW Files :	YYNNNNYYNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	343
Hole Depth :	N/R
Source of Depth Data :	D
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1970-03-19
Field Water-level Measurements End Date:	1970-03-19
Field Water-Level Measurements Count:	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	47.994256
Longitude :	-122.792666
Last Date in Agency List :	2022-08-15

Map Id: 48  
Direction: WSW  
Distance: 0.506 mi., 2675 ft.  
Elevation: 201 ft.  
Relative: Higher

**Site Name :** 275794 | 43893 | 47154  
47.977233, -122.78953  
WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47851617  
**EPA ID:** N/R

**WELLS - WA**

Well Tag Number :	N/R
NIT ID Number :	N/R
Well Type Code :	W
Well Address :	2680 W VALLEY RD
County ID :	31
Region Code :	2
Well Completion Date :	1990-08-24
Well Log Received Date :	N/R
Well Diameter Quarter :	6
Well Dept Quarter :	92
Well Owner Name :	GARY ONDHEEME
Driller Number :	0204
Section/Township/Range :	SEC 27, TWP 29N, RNG 01W



Map Id: 48  
 Direction: WSW  
 Distance: 0.506 mi., 2675 ft.  
 Elevation: 201 ft.  
 Relative: Higher

**Site Name :** 275794 | 43893 | 47154  
 47.977233, -122.78953  
 WA

**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47851617  
**EPA ID:** N/R

## WELLS - WA (**cont.**)

Range Fraction Number : N/R  
 QTR Section CD : N/R  
 QTR QTR Section CD : N/R  
 Tax Parcel Number : N/R  
 Last Update : N/R  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : N/R  
 NIT ID Number : N/R  
 Well Type Code : W  
 Well Address : N/R  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : N/R  
 Well Log Received Date : N/R  
 Well Diameter Quarter : 24  
 Well Dept Quarter : 11  
 Well Owner Name : BRUCE & DAKETU MANIX  
 Driller Number : N/R  
 Section/Township/Range : SEC 27, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : N/R  
 QTR QTR Section CD : N/R  
 Tax Parcel Number : N/R  
 Last Update : N/R  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : N/R  
 NIT ID Number : N/R  
 Well Type Code : W  
 Well Address : N/R  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : 1977-07-07  
 Well Log Received Date : 1977-09-14  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 94  
 Well Owner Name : ALBERT MUDLER  
 Driller Number : 0779  
 Section/Township/Range : SEC 27, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : N/R  
 QTR QTR Section CD : N/R  
 Tax Parcel Number : N/R  
 Last Update : N/R  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18



Map Id: 49  
 Direction: NW  
 Distance: 0.514 mi., 2712 ft.  
 Elevation: 308 ft.  
 Relative: Higher

**Site Name :** 1118361 | 276363 | 276364  
 47.997131, -122.786661  
 WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47884954  
**EPA ID:** N/R

## WELLS - WA

Well Tag Number : N/R  
 NIT ID Number : 062632  
 Well Type Code : W  
 Well Address : CHIMACUM  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : 1992-05-14  
 Well Log Received Date : N/R  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 156  
 Well Owner Name : DUG ANGLIN  
 Driller Number : 0204  
 Section/Township/Range : SEC 22, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : NE  
 QTR QTR Section CD : NW  
 Tax Parcel Number : N/R  
 Last Update : N/R  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : N/R  
 NIT ID Number : N/R  
 Well Type Code : W  
 Well Address : N/R  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : 1983-08-31  
 Well Log Received Date : N/R  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 218  
 Well Owner Name : DENNIS SHELLS  
 Driller Number : 0848  
 Section/Township/Range : SEC 22, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : NE  
 QTR QTR Section CD : NW  
 Tax Parcel Number : N/R  
 Last Update : N/R  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : N/R  
 NIT ID Number : N/R  
 Well Type Code : W  
 Well Address : N/R  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : N/R  
 Well Log Received Date : N/R  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 142  
 Well Owner Name : JOHN FREITAS  
 Driller Number : N/R  
 Section/Township/Range : SEC 22, TWP 29N, RNG 01W



Map Id: 49  
Direction: NW  
Distance: 0.514 mi., 2712 ft.  
Elevation: 308 ft.  
Relative: Higher

**Site Name :** 1118361 | 276363 | 276364  
47.997131, -122.786661  
WA  
**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47884954  
**EPA ID:** N/R

**WELLS - WA (cont.)**

Range Fraction Number :	N/R
QTR Section CD :	NE
QTR QTR Section CD :	NW
Tax Parcel Number :	N/R
Last Update :	N/R
WRIA Number :	17
Last Date in Agency List :	2022-10-18
Well Tag Number :	N/R
NIT ID Number :	055508
Well Type Code :	W
Well Address :	2034 W VALLEY RD, CHIMACUM
County ID :	31
Region Code :	2
Well Completion Date :	1994-08-05
Well Log Received Date :	1994-08-17
Well Diameter Quarter :	6
Well Dept Quarter :	187
Well Owner Name :	MIKE RICHARDSON
Driller Number :	0868
Section/Township/Range :	SEC 22, TWP 29N, RNG 01W
Range Fraction Number :	N/R
QTR Section CD :	NE
QTR QTR Section CD :	NW
Tax Parcel Number :	N/R
Last Update :	N/R
WRIA Number :	17
Last Date in Agency List :	2022-10-18
Well Tag Number :	N/R
NIT ID Number :	N/R
Well Type Code :	W
Well Address :	N/R
County ID :	31
Region Code :	2
Well Completion Date :	N/R
Well Log Received Date :	N/R
Well Diameter Quarter :	0
Well Dept Quarter :	0
Well Owner Name :	WATSON CLOCKSIN
Driller Number :	N/R
Section/Township/Range :	SEC 22, TWP 29N, RNG 01W
Range Fraction Number :	N/R
QTR Section CD :	NE
QTR QTR Section CD :	NW
Tax Parcel Number :	N/R
Last Update :	2016-01-06
WRIA Number :	17
Last Date in Agency List :	2022-10-18



Map Id: 50  
 Direction: SW  
 Distance: 0.541 mi., 2859 ft.  
 Elevation: 176 ft.  
 Relative: Higher

**Site Name :** 50572  
 47.971796, -122.786971  
 WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47918390  
**EPA ID:** N/R

## WELLS - WA

Well Tag Number : N/R  
 NIT ID Number : 027759  
 Well Type Code : W  
 Well Address : EMBODY RD  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : 1989-01-23  
 Well Log Received Date : 1989-02-27  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 128  
 Well Owner Name : MR. ARLON JOHNSON  
 Driller Number : 0761  
 Section/Township/Range : SEC 27, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : SE  
 QTR QTR Section CD : SW  
 Tax Parcel Number : N/R  
 Last Update : N/R  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Map Id: 51  
 Direction: ESE  
 Distance: 0.544 mi., 2875 ft.  
 Elevation: 476 ft.  
 Relative: Higher

**Site Name :** 511710 | 51696  
 47.975277, -122.759866  
 WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47889948  
**EPA ID:** N/R

## WELLS - WA

Well Tag Number : N/R  
 NIT ID Number : W040418  
 Well Type Code : W  
 Well Address : 3291 BEAVER VALLEY RD, CHIMACUM  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : 1994-06-29  
 Well Log Received Date : 1994-10-03  
 Well Diameter Quarter : 6  
 Well Dept Quarter : N/R  
 Well Owner Name : RANDY CRANSTON  
 Driller Number : 1717  
 Section/Township/Range : SEC 26, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : SE  
 QTR QTR Section CD : NE  
 Tax Parcel Number : N/R  
 Last Update : N/R  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18



Map Id: 51  
Direction: ESE  
Distance: 0.544 mi., 2875 ft.  
Elevation: 476 ft.  
Relative: Higher

**Site Name :** 511710 | 51696  
47.975277, -122.759866  
WA  
**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47889948  
**EPA ID:** N/R

**WELLS - WA (cont.)**

Well Tag Number :	ALJ195
NIT ID Number :	W207467
Well Type Code :	W
Well Address :	2393 CENTER RD, CHIMACUM
County ID :	31
Region Code :	2
Well Completion Date :	2007-11-30
Well Log Received Date :	2007-12-17
Well Diameter Quarter :	6
Well Dept Quarter :	143
Well Owner Name :	TIM HENKEL
Driller Number :	N/R
Section/Township/Range :	SEC 26, TWP 29N, RNG 01W
Range Fraction Number :	N/R
QTR Section CD :	SE
QTR QTR Section CD :	NE
Tax Parcel Number :	901 263 013
Last Update :	2008-01-24
WRIA Number :	17
Last Date in Agency List :	2022-10-18

Map Id: 52  
Direction: S  
Distance: 0.551 mi., 2908 ft.  
Elevation: 163 ft.  
Relative: Higher

**Site Name :** 475810122462301  
47.969257, -122.774332  
WA  
**Database(s) :** [NWIS]

**Envirosite ID:** 20021740  
**EPA ID:** N/R

**NWIS**

Site Identification Number :	475810122462301
Site Type :	Well
Station Name :	29N/01W-26Q01
Agency :	U.S. Geological Survey
District :	N/R
State :	WA
County :	Jefferson County
Country :	USA
Land Net Location :	SWSES26 T29N R01W W
Name of Location Map :	PLATE 3 BULLETIN 54
Scale of Location Map :	48000
Altitude of Gage/Land Surface :	175
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	5
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Puget Sound
Drainage Basin :	Pacific Northwest Region
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	1973-07-24
Date Site Established or Inventoried:	N/R



Map Id: 52  
Direction: S  
Distance: 0.551 mi., 2908 ft.  
Elevation: 163 ft.  
Relative: Higher

**Site Name :** 475810122462301  
47.969257, -122.774332  
WA  
**Database(s) :** [NWIS] (*cont.*)

**Envirosite ID:** 20021740  
**EPA ID:** N/R

**NWIS (*cont.*)**

Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Minimal data.
Data-Other GW Files :	YYNNYYNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	40
Hole Depth :	40
Source of Depth Data :	A
Project Number :	WA08900
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1973-07-24
Field Water-level Measurements End Date:	1973-07-24
Field Water-Level Measurements Count:	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	47.969257
Longitude :	-122.774332
Last Date in Agency List :	2022-08-15

Map Id: 53  
Direction: N  
Distance: 0.560 mi., 2956 ft.  
Elevation: 113 ft.  
Relative: Lower

**Site Name :** 480000122463001  
47.999812, -122.776277  
WA  
**Database(s) :** [NWIS]

**Envirosite ID:** 20133428  
**EPA ID:** N/R

**NWIS**

Site Identification Number :	480000122463001
Site Type :	Well
Station Name :	29N/01W-14N01
Agency :	U.S. Geological Survey
District :	N/R
State :	WA
County :	Jefferson County
Country :	USA
Land Net Location :	SWSWS14 T29N R01W W
Name of Location Map :	PORT TOWNSEND SOUTH
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	180
Method Altitude Determined :	Interpolated from topographic map.



Map Id: 53  
Direction: N  
Distance: 0.560 mi., 2956 ft.  
Elevation: 113 ft.  
Relative: Lower

**Site Name :** 480000122463001  
47.999812, -122.776277  
WA  
**Database(s) :** [NWIS] (*cont.*)

**Envirosite ID:** 20133428  
**EPA ID:** N/R

**NWIS (*cont.*)**

Altitude Accuracy :	1
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Hood Canal
Drainage Basin :	Pacific Northwest Region
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	N/R
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-Other GW Files :	YYNNYYNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	14
Hole Depth :	N/R
Source of Depth Data :	D
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1973-02-05
Field Water-level Measurements End Date:	1973-02-05
Field Water-Level Measurements Count:	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	47.999812
Longitude :	-122.776277
Last Date in Agency List :	2022-08-15

Map Id: 54  
Direction: NE  
Distance: 0.560 mi., 2960 ft.  
Elevation: 260 ft.  
Relative: Higher

**Site Name :** 277110 | 277111  
47.997019, -122.765161  
WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47816936  
**EPA ID:** N/R

**WELLS - WA**

Well Tag Number :	N/R
NIT ID Number :	N/R
Well Type Code :	W
Well Address :	N/R



Map Id: 54  
Direction: NE  
Distance: 0.560 mi., 2960 ft.  
Elevation: 260 ft.  
Relative: Higher

**Site Name :** 277110 | 277111  
47.997019, -122.765161  
WA  
**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47816936  
**EPA ID:** N/R

**WELLS - WA (cont.)**

County ID :	31
Region Code :	2
Well Completion Date :	N/R
Well Log Received Date :	N/R
Well Diameter Quarter :	6
Well Dept Quarter :	135
Well Owner Name :	SWANSON RACHEL
Driller Number :	N/R
Section/Township/Range :	SEC 23, TWP 29N, RNG 01W
Range Fraction Number :	N/R
QTR Section CD :	NE
QTR QTR Section CD :	NW
Tax Parcel Number :	N/R
Last Update :	N/R
WRIA Number :	17
Last Date in Agency List :	2022-10-18

Map Id: D55  
Direction: WSW  
Distance: 0.569 mi., 3006 ft.  
Elevation: 266 ft.  
Relative: Higher

**Site Name :** 475844122472501  
47.978757, -122.791555  
WA  
**Database(s) :** [NWIS]

**Envirosite ID:** 20076535  
**EPA ID:** N/R

**NWIS**

Site Identification Number :	475844122472501
Site Type :	Well
Station Name :	29N/01W-27F01
Agency :	U.S. Geological Survey
District :	N/R
State :	WA
County :	Jefferson County
Country :	USA
Land Net Location :	SENWS27 T29N R01W W
Name of Location Map :	CENTER
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	275.41
Method Altitude Determined :	Interpolated from Digital Elevation Model
Altitude Accuracy :	1
Altitude Datum :	North American Vertical Datum of 1988
Hydrologic Unit :	Puget Sound
Drainage Basin :	Pacific Northwest Region
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	1991-08-15
Date Site Established or Inventoried:	2002-05-09
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-Other GW Files :	YYY Y



Map Id: D55  
 Direction: WSW  
 Distance: 0.569 mi., 3006 ft.  
 Elevation: 266 ft.  
 Relative: Higher

**Site Name :** 475844122472501  
 47.978757, -122.791555  
 WA  
**Database(s) :** [NWIS] (*cont.*)

**Envirosite ID:** 20076535  
**EPA ID:** N/R

## NWIS (*cont.*)

National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	195
Hole Depth :	195
Source of Depth Data :	D
Project Number :	WA45800
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1991-09-03
Field Water-level Measurements End Date:	2002-10-23
Field Water-Level Measurements Count:	4
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	47.978757
Longitude :	-122.791555
Last Date in Agency List :	2022-08-15

Map Id: D56  
 Direction: WSW  
 Distance: 0.577 mi., 3048 ft.  
 Elevation: 291 ft.  
 Relative: Higher

**Site Name :** 1106932 | 1582524 | 51097  
 47.979018, -122.792176  
 WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47864097  
**EPA ID:** N/R

## WELLS - WA

Well Tag Number :	BIT807
NIT ID Number :	WE19688
Well Type Code :	W
Well Address :	Windridge Rd
County ID :	31
Region Code :	2
Well Completion Date :	2015-09-03
Well Log Received Date :	2015-10-01
Well Diameter Quarter :	6
Well Dept Quarter :	142
Well Owner Name :	Christine Tvrdik
Driller Number :	3150
Section/Township/Range :	SEC 27, TWP 29N, RNG 01W
Range Fraction Number :	N/R
QTR Section CD :	NW
QTR QTR Section CD :	SE
Tax Parcel Number :	901275007



Map Id: D56  
 Direction: WSW  
 Distance: 0.577 mi., 3048 ft.  
 Elevation: 291 ft.  
 Relative: Higher

**Site Name :** 1106932 | 1582524 | 51097  
 47.979018, -122.792176  
 WA  
**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47864097  
**EPA ID:** N/R

WELLS - WA (**cont.**)

Last Update :	2015-12-24
WRIA Number :	17
Last Date in Agency List :	2022-10-18
Well Tag Number :	N/R
NIT ID Number :	067781
Well Type Code :	W
Well Address :	NALOR CREEK RD, CHIMACUM
County ID :	31
Region Code :	2
Well Completion Date :	1992-12-14
Well Log Received Date :	N/R
Well Diameter Quarter :	6
Well Dept Quarter :	130
Well Owner Name :	PATRICIA FERRY
Driller Number :	1717
Section/Township/Range :	SEC 27, TWP 29N, RNG 01W
Range Fraction Number :	N/R
QTR Section CD :	NW
QTR QTR Section CD :	SE
Tax Parcel Number :	N/R
Last Update :	N/R
WRIA Number :	17
Last Date in Agency List :	2022-10-18
Well Tag Number :	AAA221
NIT ID Number :	038729
Well Type Code :	W
Well Address :	WINDRIDGE RD, CHIMACUM
County ID :	31
Region Code :	2
Well Completion Date :	1992-03-27
Well Log Received Date :	1992-04-01
Well Diameter Quarter :	6
Well Dept Quarter :	78
Well Owner Name :	MR. RICHARD GLAUBMAN
Driller Number :	0761
Section/Township/Range :	SEC 27, TWP 29N, RNG 01W
Range Fraction Number :	N/R
QTR Section CD :	NW
QTR QTR Section CD :	SE
Tax Parcel Number :	N/R
Last Update :	N/R
WRIA Number :	17
Last Date in Agency List :	2022-10-18
Well Tag Number :	BIT807
NIT ID Number :	WE19688
Well Type Code :	W
Well Address :	Windridge Rd
County ID :	31
Region Code :	2
Well Completion Date :	2015-09-03
Well Log Received Date :	2016-08-16



Map Id: D56  
Direction: WSW  
Distance: 0.577 mi., 3048 ft.  
Elevation: 291 ft.  
Relative: Higher

**Site Name :** 1106932 | 1582524 | 51097  
47.979018, -122.792176  
WA  
**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47864097  
**EPA ID:** N/R

**WELLS - WA (cont.)**

Well Diameter Quarter :	6
Well Dept Quarter :	146
Well Owner Name :	Christine Tvrdik
Driller Number :	3150
Section/Township/Range :	SEC 27, TWP 29N, RNG 01W
Range Fraction Number :	N/R
QTR Section CD :	NW
QTR QTR Section CD :	SE
Tax Parcel Number :	901275007
Last Update :	2016-08-31
WRIA Number :	17
Last Date in Agency List :	2022-10-18

Map Id: 57  
Direction: NNE  
Distance: 0.585 mi., 3087 ft.  
Elevation: 122 ft.  
Relative: Lower

**Site Name :** 480000122461001  
47.999812, -122.770721  
WA  
**Database(s) :** [NWIS]

**Envirosite ID:** 20132504  
**EPA ID:** N/R

**NWIS**

Site Identification Number :	480000122461001
Site Type :	Well
Station Name :	29N/01W-14P01
Agency :	U.S. Geological Survey
District :	N/R
State :	WA
County :	Jefferson County
Country :	USA
Land Net Location :	SESWS14 T29N R01W W
Name of Location Map :	PORT TOWNSEND SOUTH
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	300
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	1
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Hood Canal
Drainage Basin :	Pacific Northwest Region
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	1975-12-10
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Unchecked data.
Data-Other GW Files :	YYNNYYNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	24



Map Id: 57  
Direction: NNE  
Distance: 0.585 mi., 3087 ft.  
Elevation: 122 ft.  
Relative: Lower

**Site Name :** 480000122461001  
47.999812, -122.770721  
WA  
**Database(s) :** [NWIS] (*cont.*)

**Envirosite ID:** 20132504  
**EPA ID:** N/R

**NWIS (*cont.*)**

Hole Depth :	N/R
Source of Depth Data :	D
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1975-12-10
Field Water-level Measurements End Date:	1975-12-10
Field Water-Level Measurements Count:	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	47.999812
Longitude :	-122.770721
Last Date in Agency List :	2022-08-15

Map Id: 58  
Direction: NE  
Distance: 0.595 mi., 3142 ft.  
Elevation: 349 ft.  
Relative: Higher

**Site Name :** 47106  
47.9952, -122.762481  
WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47900859  
**EPA ID:** N/R

**WELLS - WA**

Well Tag Number :	N/R
NIT ID Number :	N/R
Well Type Code :	W
Well Address :	TORELSON RD, BEAVER VALLEY
County ID :	31
Region Code :	2
Well Completion Date :	1985-09-02
Well Log Received Date :	1985-10-08
Well Diameter Quarter :	6
Well Dept Quarter :	41
Well Owner Name :	GARHAM WOOTEN
Driller Number :	0473
Section/Township/Range :	SEC 23, TWP 29N, RNG 01W
Range Fraction Number :	N/R
QTR Section CD :	NE
QTR QTR Section CD :	N/R
Tax Parcel Number :	N/R
Last Update :	N/R
WRIA Number :	17
Last Date in Agency List :	2022-10-18



Map Id: E59  
Direction: WNW  
Distance: 0.606 mi., 3202 ft.  
Elevation: 473 ft.  
Relative: Higher

**Site Name :** 475923122475001  
47.989722, -122.797222  
WA  
**Database(s) :** [NWIS]

**Envirosite ID:** 20076730  
**EPA ID:** N/R

## NWIS

Site Identification Number :	475923122475001
Site Type :	Well
Station Name :	29N/01W-22M02
Agency :	U.S. Geological Survey
District :	N/R
State :	WA
County :	Jefferson County
Country :	USA
Land Net Location :	NWSWS22 T29N R01W W
Name of Location Map :	N/R
Scale of Location Map :	N/R
Altitude of Gage/Land Surface :	469
Method Altitude Determined :	Light Detection And Ranging, airplane
Altitude Accuracy :	1
Altitude Datum :	North American Vertical Datum of 1988
Hydrologic Unit :	Puget Sound
Drainage Basin :	N/R
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	2000-07-11
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Unchecked data.
Data-Other GW Files :	YYY Y
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	260.5
Hole Depth :	260.5
Source of Depth Data :	D
Project Number :	WACYV00
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	2000-08-09
Field Water-level Measurements End Date:	2000-08-09
Field Water-Level Measurements Count:	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	47.989722
Longitude :	-122.797222
Last Date in Agency List :	2022-08-15



Map Id: E60  
 Direction: WNW  
 Distance: 0.620 mi., 3272 ft.  
 Elevation: 471 ft.  
 Relative: Higher

**Site Name :** 311093 | 52234 | 53485  
 47.989901, -122.797499  
 WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47845773  
**EPA ID:** N/R

## WELLS - WA

Well Tag Number : N/R  
 NIT ID Number : N/R  
 Well Type Code : W  
 Well Address : N/R  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : 1985-10-21  
 Well Log Received Date : 1985-12-10  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 284  
 Well Owner Name : TRACY MORK  
 Driller Number : 0473  
 Section/Township/Range : SEC 22, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : SW  
 QTR QTR Section CD : NW  
 Tax Parcel Number : N/R  
 Last Update : N/R  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : AFC959  
 NIT ID Number : W110522  
 Well Type Code : W  
 Well Address : 1555 VANTROGEN RD  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : 2000-08-09  
 Well Log Received Date : 2001-03-14  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 260.41  
 Well Owner Name : HEATHER HARDING  
 Driller Number : N/R  
 Section/Township/Range : SEC 22, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : SW  
 QTR QTR Section CD : NW  
 Tax Parcel Number : N/R  
 Last Update : 2001-11-15  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : N/R  
 NIT ID Number : N/R  
 Well Type Code : W  
 Well Address : N/R  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : 1975-06-10  
 Well Log Received Date : 1975-08-20  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 300  
 Well Owner Name : ROBERT SCOTT  
 Driller Number : 0473  
 Section/Township/Range : SEC 22, TWP 29N, RNG 1W



Map Id: E60  
Direction: WNW  
Distance: 0.620 mi., 3272 ft.  
Elevation: 471 ft.  
Relative: Higher

**Site Name :** 311093 | 52234 | 53485  
47.989901, -122.797499  
WA  
**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47845773  
**EPA ID:** N/R

WELLS - WA (**cont.**)

Range Fraction Number :	N/R
QTR Section CD :	SW
QTR QTR Section CD :	NW
Tax Parcel Number :	N/R
Last Update :	2021-04-08
WRIA Number :	17
Last Date in Agency List :	2022-10-18

Map Id: 61  
Direction: N  
Distance: 0.623 mi., 3288 ft.  
Elevation: 110 ft.  
Relative: Lower

**Site Name :** 45410  
48.00072, -122.77581  
WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47897345  
**EPA ID:** N/R

WELLS - WA

Well Tag Number :	N/R
NIT ID Number :	N/R
Well Type Code :	W
Well Address :	N/R
County ID :	31
Region Code :	2
Well Completion Date :	1985-08-01
Well Log Received Date :	1985-08-16
Well Diameter Quarter :	6
Well Dept Quarter :	114
Well Owner Name :	COLETE LOPEMAN EXECUTOR
Driller Number :	0473
Section/Township/Range :	SEC 14, TWP 29N, RNG 01W
Range Fraction Number :	N/R
QTR Section CD :	SW
QTR QTR Section CD :	SW
Tax Parcel Number :	N/R
Last Update :	N/R
WRIA Number :	17
Last Date in Agency List :	2022-10-18



Map Id: 62  
 Direction: ENE  
 Distance: 0.624 mi., 3295 ft.  
 Elevation: 282 ft.  
 Relative: Higher

**Site Name :** 277383 | 55772  
 47.993376, -122.759813  
 WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47880505  
**EPA ID:** N/R

## WELLS - WA

Well Tag Number : ACJ762  
 NIT ID Number : W065098  
 Well Type Code : W  
 Well Address : N/R  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : 1996-11-06  
 Well Log Received Date : 1998-03-02  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 85  
 Well Owner Name : KEVIN WIDELL  
 Driller Number : 0458  
 Section/Township/Range : SEC 23, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : NE  
 QTR QTR Section CD : SE  
 Tax Parcel Number : N/R  
 Last Update : N/R  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : ABC661  
 NIT ID Number : N/R  
 Well Type Code : W  
 Well Address : N/R  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : N/R  
 Well Log Received Date : N/R  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 74  
 Well Owner Name : RODD STINGLE  
 Driller Number : N/R  
 Section/Township/Range : SEC 23, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : NE  
 QTR QTR Section CD : SE  
 Tax Parcel Number : N/R  
 Last Update : N/R  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18



Map Id: 63  
Direction: S  
Distance: 0.629 mi., 3321 ft.  
Elevation: 163 ft.  
Relative: Higher

**Site Name :** 118105 | 291843 | 291844  
47.968138, -122.776268  
WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47827272  
**EPA ID:** N/R

## WELLS - WA

Well Tag Number : N/R  
NIT ID Number : A017504  
Well Type Code : A  
Well Address : 3030 CANTOR VALLEY RD ,CHIMACUM 98325  
County ID : 31  
Region Code : 2  
Well Completion Date : 1999-04-15  
Well Log Received Date : N/R  
Well Diameter Quarter : N/R  
Well Dept Quarter : N/R  
Well Owner Name : ROBERT SAHLI  
Driller Number : N/R  
Section/Township/Range : SEC 35, TWP 29N, RNG 01W  
Range Fraction Number : N/R  
QTR Section CD : NW  
QTR QTR Section CD : NW  
Tax Parcel Number : N/R  
Last Update : N/R  
WRIA Number : 17  
Last Date in Agency List : 2022-10-18

Well Tag Number : N/R  
NIT ID Number : W178634  
Well Type Code : W  
Well Address : CENTER VALLEY RD  
County ID : 31  
Region Code : 2  
Well Completion Date : 2005-05-12  
Well Log Received Date : 2005-06-01  
Well Diameter Quarter : 6  
Well Dept Quarter : 75  
Well Owner Name : GLEN RICHARDSON  
Driller Number : N/R  
Section/Township/Range : SEC 35, TWP 29N, RNG 01W  
Range Fraction Number : N/R  
QTR Section CD : NW  
QTR QTR Section CD : NW  
Tax Parcel Number : 901352003  
Last Update : 2005-06-23  
WRIA Number : 17  
Last Date in Agency List : 2022-10-18

Well Tag Number : N/R  
NIT ID Number : W110504  
Well Type Code : W  
Well Address : 3030 CANTOR VALLEY RD ,CHIMACUM 98325  
County ID : 31  
Region Code : 2  
Well Completion Date : 1999-04-08  
Well Log Received Date : 1999-06-02  
Well Diameter Quarter : 6  
Well Dept Quarter : N/R  
Well Owner Name : ROBERT SAHLI  
Driller Number : N/R  
Section/Township/Range : SEC 35, TWP 29N, RNG 01W



Map Id: 63  
 Direction: S  
 Distance: 0.629 mi., 3321 ft.  
 Elevation: 163 ft.  
 Relative: Higher

**Site Name :** 118105 | 291843 | 291844  
 47.968138, -122.776268  
 WA

**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47827272  
**EPA ID:** N/R

## WELLS - WA (**cont.**)

Range Fraction Number : N/R  
 QTR Section CD : NW  
 QTR QTR Section CD : NW  
 Tax Parcel Number : N/R  
 Last Update : N/R  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : AKR115  
 NIT ID Number : W178650  
 Well Type Code : W  
 Well Address : 3030 CENTER VALLEY RD, CHIMACUM  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : 2005-05-16  
 Well Log Received Date : 2005-06-10  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 28  
 Well Owner Name : GLEN RICHARDSON  
 Driller Number : N/R  
 Section/Township/Range : SEC 35, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : NW  
 QTR QTR Section CD : NW  
 Tax Parcel Number : 901352003  
 Last Update : 2005-06-23  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : N/R  
 NIT ID Number : A071621  
 Well Type Code : A  
 Well Address : 3150 CENTER RD  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : 2005-05-12  
 Well Log Received Date : 2005-06-10  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 75  
 Well Owner Name : GLEN AND LISA RICHARDSON  
 Driller Number : N/R  
 Section/Township/Range : SEC 35, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : NW  
 QTR QTR Section CD : NW  
 Tax Parcel Number : 901352003  
 Last Update : 2005-06-23  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18



Map Id: 64  
 Direction: SSE  
 Distance: 0.630 mi., 3326 ft.  
 Elevation: 322 ft.  
 Relative: Higher

**Site Name :** 301212 | 379365  
 47.968093, -122.770819  
 WA  
**Database(s) :** [WELLS - WA]

**EnviroSite ID:** 47805238  
**EPA ID:** N/R

## WELLS - WA

Well Tag Number : AGS234  
 NIT ID Number : WE00739  
 Well Type Code : W  
 Well Address : 3157 CENTER RD, CHIMACUM 98325  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : 2002-12-29  
 Well Log Received Date : 2003-11-14  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 43  
 Well Owner Name : TOM BARRETT  
 Driller Number : N/R  
 Section/Township/Range : SEC 35, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : NW  
 QTR QTR Section CD : NE  
 Tax Parcel Number : 901352011  
 Last Update : 2004-05-12  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : ACP370  
 NIT ID Number : W001142  
 Well Type Code : W  
 Well Address : 3155 CENTER RD, CHIMACUM, 98325  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : 2000-10-30  
 Well Log Received Date : 2001-01-22  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 31  
 Well Owner Name : AUTUMN SCOTT~ CHUCK EASTON  
 Driller Number : N/R  
 Section/Township/Range : SEC 35, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : NW  
 QTR QTR Section CD : NE  
 Tax Parcel Number : N/R  
 Last Update : 2001-10-11  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18



Map Id: 65  
 Direction: NNW  
 Distance: 0.636 mi., 3361 ft.  
 Elevation: 126 ft.  
 Relative: Higher

**Site Name :** 1118377 | 633439  
 48.000744, -122.781204  
 WA  
**Database(s) :** [WELLS - WA]

**EnviroSite ID:** 47843789  
**EPA ID:** N/R

## WELLS - WA

Well Tag Number : ALS581  
 NIT ID Number : WE10826  
 Well Type Code : W  
 Well Address : 1291 WEST VALLEY RD, CHIMACUM 98325  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : 2009-12-18  
 Well Log Received Date : 2010-01-29  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 109  
 Well Owner Name : DAN SHAW  
 Driller Number : N/R  
 Section/Township/Range : SEC 15, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : SE  
 QTR QTR Section CD : SE  
 Tax Parcel Number : 901154001  
 Last Update : 2010-02-03  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : N/R  
 NIT ID Number : N/R  
 Well Type Code : W  
 Well Address : N/R  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : N/R  
 Well Log Received Date : N/R  
 Well Diameter Quarter : 0  
 Well Dept Quarter : 0  
 Well Owner Name : ANNIE NISBET  
 Driller Number : N/R  
 Section/Township/Range : SEC 15, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : SE  
 QTR QTR Section CD : SE  
 Tax Parcel Number : N/R  
 Last Update : 2016-01-06  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18



Map Id: 66  
Direction: WSW  
Distance: 0.645 mi., 3406 ft.  
Elevation: 309 ft.  
Relative: Higher

**Site Name :** 44903  
47.975398, -122.792243  
WA  
**Database(s) :** [WELLS - WA]

**EnviroSite ID:** 47880382  
**EPA ID:** N/R

## WELLS - WA

Well Tag Number : N/R  
NIT ID Number : N/R  
Well Type Code : W  
Well Address : N/R  
County ID : 31  
Region Code : 2  
Well Completion Date : N/R  
Well Log Received Date : 1979-06-25  
Well Diameter Quarter : 6  
Well Dept Quarter : 123  
Well Owner Name : CAL SCHIPPER  
Driller Number : 0285  
Section/Township/Range : SEC 27, TWP 29N, RNG 01W  
Range Fraction Number : N/R  
QTR Section CD : SW  
QTR QTR Section CD : NE  
Tax Parcel Number : N/R  
Last Update : N/R  
WRIA Number : 17  
Last Date in Agency List : 2022-10-18

Map Id: F67  
Direction: NNE  
Distance: 0.645 mi., 3408 ft.  
Elevation: 119 ft.  
Relative: Lower

**Site Name :** 480003122461701  
48.000833, -122.771389  
WA  
**Database(s) :** [NWIS]

**EnviroSite ID:** 20022164  
**EPA ID:** N/R

## NWIS

Site Identification Number : 480003122461701  
Site Type : Well  
Station Name : 29N/01W-14P02  
Agency : U.S. Geological Survey  
District : N/R  
State : WA  
County : Jefferson County  
Country : USA  
Land Net Location : SESWS14 T29N R01W W  
Name of Location Map : N/R  
Scale of Location Map : N/R  
Altitude of Gage/Land Surface : 125  
Method Altitude Determined : Light Detection And Ranging, airplane  
Altitude Accuracy : 1  
Altitude Datum : North American Vertical Datum of 1988  
Hydrologic Unit : Puget Sound  
Drainage Basin : N/R  
Topographic Setting : N/R  
Flags for the Type of Data Collected: NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO  
Flags for Instruments at Site : NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN  
Date of First Construction : 2006-10-23  
Date Site Established or Inventoried: N/R



Map Id: F67  
Direction: NNE  
Distance: 0.645 mi., 3408 ft.  
Elevation: 119 ft.  
Relative: Lower

**Site Name :** 480003122461701  
48.000833, -122.771389  
WA  
**Database(s) :** [NWIS] (*cont.*)

**Envirosite ID:** 20022164  
**EPA ID:** N/R

**NWIS (*cont.*)**

Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Unchecked data.
Data-Other GW Files :	YYY Y
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	92
Hole Depth :	92
Source of Depth Data :	D
Project Number :	WACYV00
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	2006-12-17
Field Water-level Measurements End Date:	2006-12-17
Field Water-Level Measurements Count:	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	48.000833
Longitude :	-122.771389
Last Date in Agency List :	2022-08-15

Map Id: F68  
Direction: NNE  
Distance: 0.646 mi., 3412 ft.  
Elevation: 130 ft.  
Relative: Higher

**Site Name :** 470947 | 49788 | 49799  
48.000689, -122.770461  
WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47802443  
**EPA ID:** N/R

**WELLS - WA**

Well Tag Number :	ALS032
NIT ID Number :	WE05847
Well Type Code :	W
Well Address :	756 CENTER RD, CHIMACUM 98325
County ID :	31
Region Code :	2
Well Completion Date :	2006-12-17
Well Log Received Date :	2007-03-14
Well Diameter Quarter :	6
Well Dept Quarter :	92
Well Owner Name :	GARY AND SALLY BAIRD
Driller Number :	N/R
Section/Township/Range :	SEC 14, TWP 29N, RNG 01W



Map Id: F68  
 Direction: NNE  
 Distance: 0.646 mi., 3412 ft.  
 Elevation: 130 ft.  
 Relative: Higher

**Site Name :** 470947 | 49788 | 49799  
 48.000689, -122.770461  
 WA  
**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47802443  
**EPA ID:** N/R

## WELLS - WA (**cont.**)

Range Fraction Number : N/R  
 QTR Section CD : SW  
 QTR QTR Section CD : SE  
 Tax Parcel Number : 901143007  
 Last Update : 2007-03-19  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : N/R  
 NIT ID Number : N/R  
 Well Type Code : W  
 Well Address : N/R  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : N/R  
 Well Log Received Date : 1975-12-16  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 24  
 Well Owner Name : LEON GIFFORD  
 Driller Number : 0285  
 Section/Township/Range : SEC 14, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : SW  
 QTR QTR Section CD : SE  
 Tax Parcel Number : N/R  
 Last Update : N/R  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : N/R  
 NIT ID Number : N/R  
 Well Type Code : W  
 Well Address : N/R  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : N/R  
 Well Log Received Date : N/R  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 24  
 Well Owner Name : LEONARD LECTENBURG  
 Driller Number : 0285  
 Section/Township/Range : SEC 14, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : SW  
 QTR QTR Section CD : SE  
 Tax Parcel Number : N/R  
 Last Update : N/R  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18



Map Id: 69  
 Direction: NNW  
 Distance: 0.649 mi., 3425 ft.  
 Elevation: 219 ft.  
 Relative: Higher

**Site Name :** 480000122470201  
 47.999923, -122.78525  
 WA  
**Database(s) :** [NWIS]

**Envirosite ID:** 20053520  
**EPA ID:** N/R

## NWIS

Site Identification Number :	480000122470201
Site Type :	Well
Station Name :	29N/01W-15Q01
Agency :	U.S. Geological Survey
District :	N/R
State :	WA
County :	Jefferson County
Country :	USA
Land Net Location :	SWSES15 T29N R01W W
Name of Location Map :	PORT TOWNSEND SOUTH
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	220.65
Method Altitude Determined :	Interpolated from Digital Elevation Model
Altitude Accuracy :	1
Altitude Datum :	North American Vertical Datum of 1988
Hydrologic Unit :	Puget Sound
Drainage Basin :	Pacific Northwest Region
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	2000-05-19
Date Site Established or Inventoried:	2002-03-05
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-Other GW Files :	YYY Y
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	172.5
Hole Depth :	173
Source of Depth Data :	D
Project Number :	WA45800
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	2000-06-01
Field Water-level Measurements End Date:	2002-03-05
Field Water-Level Measurements Count:	3
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	47.999923
Longitude :	-122.78525
Last Date in Agency List :	2022-08-15



Map Id: 70  
Direction: WNW  
Distance: 0.674 mi., 3561 ft.  
Elevation: 480 ft.  
Relative: Higher

**Site Name :** 49010 | 743199  
47.993542, -122.79751  
WA  
**Database(s) :** [WELLS - WA]

**EnviroSite ID:** 47839909  
**EPA ID:** N/R

## WELLS - WA

Well Tag Number : ALK365  
NIT ID Number : W270127  
Well Type Code : W  
Well Address : 203 Fawn Meadow, Chimacum  
County ID : 31  
Region Code : 2  
Well Completion Date : 2011-07-19  
Well Log Received Date : 2011-09-06  
Well Diameter Quarter : 6  
Well Dept Quarter : 405  
Well Owner Name : Todd Stevens  
Driller Number : N/R  
Section/Township/Range : SEC 22, TWP 29N, RNG 01W  
Range Fraction Number : N/R  
QTR Section CD : NW  
QTR QTR Section CD : SW  
Tax Parcel Number : 901225011  
Last Update : 2011-09-23  
WRIA Number : 17  
Last Date in Agency List : 2022-10-18

Well Tag Number : N/R  
NIT ID Number : N/R  
Well Type Code : W  
Well Address : N/R  
County ID : 31  
Region Code : 2  
Well Completion Date : 1983-06-02  
Well Log Received Date : 1983-07-19  
Well Diameter Quarter : 6  
Well Dept Quarter : 305  
Well Owner Name : JOHN GRAIG  
Driller Number : 0473  
Section/Township/Range : SEC 22, TWP 29N, RNG 01W  
Range Fraction Number : N/R  
QTR Section CD : NW  
QTR QTR Section CD : SW  
Tax Parcel Number : N/R  
Last Update : N/R  
WRIA Number : 17  
Last Date in Agency List : 2022-10-18



Map Id: 71  
 Direction: W  
 Distance: 0.687 mi., 3626 ft.  
 Elevation: 436 ft.  
 Relative: Higher

**Site Name :** 410943 | 45375 | 54530  
 47.982624, -122.79751  
 WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47829965  
**EPA ID:** N/R

## WELLS - WA

Well Tag Number : AFC996  
 NIT ID Number : W176406  
 Well Type Code : W  
 Well Address : 690 NAYLOR CREEK RD  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : 2004-06-02  
 Well Log Received Date : 2005-06-24  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 101.3  
 Well Owner Name : DALE WHITE  
 Driller Number : N/R  
 Section/Township/Range : SEC 27, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : NW  
 QTR QTR Section CD : NW  
 Tax Parcel Number : 901272013  
 Last Update : 2005-07-05  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : ABB043  
 NIT ID Number : W066608  
 Well Type Code : W  
 Well Address : NAYLOR CREEK RD, CHIMACUM  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : 1996-05-17  
 Well Log Received Date : N/R  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 59  
 Well Owner Name : MARTY PECKMAN  
 Driller Number : 0524  
 Section/Township/Range : SEC 27, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : NW  
 QTR QTR Section CD : NW  
 Tax Parcel Number : N/R  
 Last Update : N/R  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : N/R  
 NIT ID Number : 065165  
 Well Type Code : W  
 Well Address : 2481 W VALLEY RD, CHIMACUM, 98325  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : 1992-02-27  
 Well Log Received Date : N/R  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 104  
 Well Owner Name : CLIFF LINDEROTH  
 Driller Number : 1926  
 Section/Township/Range : SEC 27, TWP 29N, RNG 01W



Map Id: 71  
Direction: W  
Distance: 0.687 mi., 3626 ft.  
Elevation: 436 ft.  
Relative: Higher

**Site Name :** 410943 | 45375 | 54530  
47.982624, -122.79751  
WA  
**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47829965  
**EPA ID:** N/R

#### WELLS - WA (**cont.**)

Range Fraction Number :	N/R
QTR Section CD :	NW
QTR QTR Section CD :	NW
Tax Parcel Number :	N/R
Last Update :	N/R
WRIA Number :	17
Last Date in Agency List :	2022-10-18

Map Id: G72  
Direction: SSE  
Distance: 0.689 mi., 3639 ft.  
Elevation: 427 ft.  
Relative: Higher

**Site Name :** 384537 | 687587  
47.968047, -122.765375  
WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47908387  
**EPA ID:** N/R

#### WELLS - WA

Well Tag Number :	N/R
NIT ID Number :	W230760
Well Type Code :	W
Well Address :	KEVIN LN, CHIMACUM
County ID :	31
Region Code :	2
Well Completion Date :	2006-07-10
Well Log Received Date :	2010-11-17
Well Diameter Quarter :	6
Well Dept Quarter :	360
Well Owner Name :	MORIARTY AND JORGENSEN
Driller Number :	N/R
Section/Township/Range :	SEC 35, TWP 29N, RNG 01W
Range Fraction Number :	N/R
QTR Section CD :	NE
QTR QTR Section CD :	NW
Tax Parcel Number :	901355011
Last Update :	2010-11-17
WRIA Number :	17
Last Date in Agency List :	2022-10-18

Well Tag Number :	AHL940
NIT ID Number :	W173204
Well Type Code :	W
Well Address :	481 BISHOP HILL RD, CHIMACUM 98368
County ID :	31
Region Code :	2
Well Completion Date :	2003-09-25
Well Log Received Date :	2004-02-23
Well Diameter Quarter :	6
Well Dept Quarter :	141
Well Owner Name :	LOREN BISHOP
Driller Number :	N/R
Section/Township/Range :	SEC 35, TWP 29N, RNG 01W



Map Id: G72  
Direction: SSE  
Distance: 0.689 mi., 3639 ft.  
Elevation: 427 ft.  
Relative: Higher

**Site Name :** 384537 | 687587  
47.968047, -122.765375  
WA  
**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47908387  
**EPA ID:** N/R

**WELLS - WA (cont.)**

Range Fraction Number :	N/R
QTR Section CD :	NE
QTR QTR Section CD :	NW
Tax Parcel Number :	901353016
Last Update :	2004-08-25
WRIA Number :	17
Last Date in Agency List :	2022-10-18

Map Id: G73  
Direction: SSE  
Distance: 0.689 mi., 3641 ft.  
Elevation: 429 ft.  
Relative: Higher

**Site Name :** 475804122455901  
47.967778, -122.766389  
WA  
**Database(s) :** [NWIS]

**Envirosite ID:** 20021711  
**EPA ID:** N/R

**NWIS**

Site Identification Number :	475804122455901
Site Type :	Well
Station Name :	29N/01W-35B01
Agency :	U.S. Geological Survey
District :	N/R
State :	WA
County :	Jefferson County
Country :	USA
Land Net Location :	NWNE535 T29N R01W W
Name of Location Map :	N/R
Scale of Location Map :	N/R
Altitude of Gage/Land Surface :	426
Method Altitude Determined :	Light Detection And Ranging, airplane
Altitude Accuracy :	1
Altitude Datum :	North American Vertical Datum of 1988
Hydrologic Unit :	Puget Sound
Drainage Basin :	N/R
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	2003-09-23
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Unchecked data.
Data-Other GW Files :	YY Y
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	141
Hole Depth :	141
Source of Depth Data :	D
Project Number :	WACYV00
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R



Map Id: G73  
Direction: SSE  
Distance: 0.689 mi., 3641 ft.  
Elevation: 429 ft.  
Relative: Higher

**Site Name :** 475804122455901  
47.967778, -122.766389  
WA  
**Database(s) :** [NWIS] (*cont.*)

**Envirosite ID:** 20021711  
**EPA ID:** N/R

**NWIS (*cont.*)**

Peak-Streamflow Data End Date : N/R  
Peak-Streamflow Data Count : 0  
Water-Quality Data Begin Date : N/R  
Water-Quality Data End Date : N/R  
Water-Quality Data Count : 0  
Field Water-Level Measurements Begin Date: 2003-09-25  
Field Water-level Measurements End Date: 2003-09-25  
Field Water-Level Measurements Count: 1  
Site-Visit Data Begin Date : N/R  
Site-Visit Data End Date : N/R  
Site-Visit Data Count : 0  
Latitude : 47.967778  
Longitude : -122.766389  
Last Date in Agency List : 2022-08-15

Map Id: 74  
Direction: ESE  
Distance: 0.694 mi., 3665 ft.  
Elevation: 493 ft.  
Relative: Higher

**Site Name :** 475840122451801  
47.97759, -122.756276  
WA  
**Database(s) :** [NWIS]

**Envirosite ID:** 20130944  
**EPA ID:** N/R

**NWIS**

Site Identification Number : 475840122451801  
Site Type : Well  
Station Name : 29N/01E-09P04  
Agency : U.S. Geological Survey  
District : N/R  
State : WA  
County : Jefferson County  
Country : USA  
Land Net Location : SESWS09 T29N R01E W  
Name of Location Map : PLATE 3 BULLETIN 54  
Scale of Location Map : 48000  
Altitude of Gage/Land Surface : 335  
Method Altitude Determined : Interpolated from topographic map.  
Altitude Accuracy : 5  
Altitude Datum : National Geodetic Vertical Datum of 1929  
Hydrologic Unit : Puget Sound  
Drainage Basin : Pacific Northwest Region  
Topographic Setting : N/R  
Flags for the Type of Data Collected: NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO  
Flags for Instruments at Site : NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN  
Date of First Construction : 1974-08-19  
Date Site Established or Inventoried: N/R  
Drainage Area : N/R  
Contributing Drainage Area : N/R  
Data Reliability : Minimal data.  
Data-Other GW Files : YYNNYYNN



Map Id: 74  
 Direction: ESE  
 Distance: 0.694 mi., 3665 ft.  
 Elevation: 493 ft.  
 Relative: Higher

**Site Name :** 475840122451801  
 47.97759, -122.756276  
 WA  
**Database(s) :** [NWIS] (*cont.*)

**Envirosite ID:** 20130944  
**EPA ID:** N/R

## NWIS (*cont.*)

National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	234
Hole Depth :	N/R
Source of Depth Data :	A
Project Number :	WA08900
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1974-08-19
Field Water-level Measurements End Date:	1975-08-26
Field Water-Level Measurements Count:	2
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	47.97759
Longitude :	-122.756276
Last Date in Agency List :	2022-08-15

Map Id: H75  
 Direction: ESE  
 Distance: 0.695 mi., 3668 ft.  
 Elevation: 502 ft.  
 Relative: Higher

**Site Name :** 475837122451801  
 47.976757, -122.756276  
 WA  
**Database(s) :** [NWIS]

**Envirosite ID:** 20212827  
**EPA ID:** N/R

## NWIS

Site Identification Number :	475837122451801
Site Type :	Well
Station Name :	29N/01E-19P03
Agency :	U.S. Geological Survey
District :	N/R
State :	WA
County :	Jefferson County
Country :	USA
Land Net Location :	SESWS19 T29N R01E W
Name of Location Map :	PLATE 3 BULLETIN 54
Scale of Location Map :	48000
Altitude of Gage/Land Surface :	240
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	5
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Puget Sound
Drainage Basin :	Pacific Northwest Region



Map Id: H75  
Direction: ESE  
Distance: 0.695 mi., 3668 ft.  
Elevation: 502 ft.  
Relative: Higher

**Site Name :** 475837122451801  
47.976757, -122.756276  
WA  
**Database(s) :** [NWIS] (*cont.*)

**Envirosite ID:** 20212827  
**EPA ID:** N/R

**NWIS (*cont.*)**

Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	1972-11-28
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Minimal data.
Data-Other GW Files :	YYNNNYNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	134
Hole Depth :	N/R
Source of Depth Data :	A
Project Number :	WA08900
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1972-11-28
Field Water-level Measurements End Date:	1972-11-28
Field Water-Level Measurements Count:	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	47.976757
Longitude :	-122.756276
Last Date in Agency List :	2022-08-15

Map Id: 76  
Direction: WNW  
Distance: 0.695 mi., 3669 ft.  
Elevation: 468 ft.  
Relative: Higher

**Site Name :** 475925122475201  
47.99009, -122.799111  
WA  
**Database(s) :** [NWIS]

**Envirosite ID:** 20053175  
**EPA ID:** N/R

**NWIS**

Site Identification Number :	475925122475201
Site Type :	Well
Station Name :	29N/01W-21J01
Agency :	U.S. Geological Survey
District :	N/R
State :	WA
County :	Jefferson County
Country :	USA



Map Id: 76  
 Direction: WNW  
 Distance: 0.695 mi., 3669 ft.  
 Elevation: 468 ft.  
 Relative: Higher

**Site Name :** 475925122475201  
 47.99009, -122.799111  
 WA  
**Database(s) :** [NWIS] (*cont.*)

**EnviroSite ID:** 20053175  
**EPA ID:** N/R

NWIS (*cont.*)

Land Net Location :	NESES21 T29N R01W W
Name of Location Map :	CENTER
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	465.20
Method Altitude Determined :	Interpolated from Digital Elevation Model
Altitude Accuracy :	1
Altitude Datum :	North American Vertical Datum of 1988
Hydrologic Unit :	Puget Sound
Drainage Basin :	Pacific Northwest Region
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	2000-07-11
Date Site Established or Inventoried:	2002-03-06
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-Other GW Files :	YYY Y
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	258
Hole Depth :	258
Source of Depth Data :	D
Project Number :	WA45800
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	2002-10-17
Field Water-level Measurements End Date:	2002-10-17
Field Water-Level Measurements Count:	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	47.99009
Longitude :	-122.799111
Last Date in Agency List :	2022-08-15



Map Id: 77  
 Direction: ENE  
 Distance: 0.697 mi., 3683 ft.  
 Elevation: 173 ft.  
 Relative: Higher

**Site Name :** 475932122452101  
 47.991979, -122.757109  
 WA  
**Database(s) :** [NWIS]

**EnviroSite ID:** 31329165  
**EPA ID:** N/R

## NWIS

Site Identification Number :	475932122452101
Site Type :	Well
Station Name :	29N/01W-23H01
Agency :	U.S. Geological Survey
District :	N/R
State :	WA
County :	Jefferson County
Country :	USA
Land Net Location :	SENE23 T29N R01W W
Name of Location Map :	CENTER
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	172.34
Method Altitude Determined :	Interpolated from Digital Elevation Model
Altitude Accuracy :	1
Altitude Datum :	North American Vertical Datum of 1988
Hydrologic Unit :	Puget Sound
Drainage Basin :	Pacific Northwest Region
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	1996-10-30
Date Site Established or Inventoried:	2002-03-08
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-Other GW Files :	YYY Y
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	83.4
Hole Depth :	83.4
Source of Depth Data :	D
Project Number :	WA45800
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1996-11-06
Field Water-level Measurements End Date:	2002-03-08
Field Water-Level Measurements Count:	3
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	47.991979
Longitude :	-122.757109
Last Date in Agency List :	2022-08-15



Map Id: 78  
 Direction: W  
 Distance: 0.698 mi., 3684 ft.  
 Elevation: 474 ft.  
 Relative: Higher

**Site Name :** 475851122474401  
 47.980757, -122.796888  
 WA  
**Database(s) :** [NWIS]

**Envirosite ID:** 20308737  
**EPA ID:** N/R

## NWIS

Site Identification Number :	475851122474401
Site Type :	Well
Station Name :	29N/01W-27E01
Agency :	U.S. Geological Survey
District :	N/R
State :	WA
County :	Jefferson County
Country :	USA
Land Net Location :	SWNWS27 T29N R01W W
Name of Location Map :	CENTER
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	471.13
Method Altitude Determined :	Interpolated from Digital Elevation Model
Altitude Accuracy :	1
Altitude Datum :	North American Vertical Datum of 1988
Hydrologic Unit :	Puget Sound
Drainage Basin :	Pacific Northwest Region
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	1994-11-29
Date Site Established or Inventoried:	2002-03-07
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-Other GW Files :	YYY Y
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	398
Hole Depth :	398
Source of Depth Data :	D
Project Number :	WA45800
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1994-12-02
Field Water-level Measurements End Date:	2002-10-18
Field Water-Level Measurements Count:	5
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	47.980757
Longitude :	-122.796888
Last Date in Agency List :	2022-08-15



Map Id: H79  
 Direction: ESE  
 Distance: 0.723 mi., 3817 ft.  
 Elevation: 505 ft.  
 Relative: Higher

**Site Name :** 475835122451601  
 47.976201, -122.75572  
 WA  
**Database(s) :** [NWIS]

**Envirosite ID:** 20211380  
**EPA ID:** N/R

## NWIS

Site Identification Number :	475835122451601
Site Type :	Well
Station Name :	29N/01E-19P05
Agency :	U.S. Geological Survey
District :	N/R
State :	WA
County :	Jefferson County
Country :	USA
Land Net Location :	SESWS19 T29N R01E W
Name of Location Map :	PLATE 3 BULLETIN 54
Scale of Location Map :	48000
Altitude of Gage/Land Surface :	65
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	2
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Puget Sound
Drainage Basin :	Pacific Northwest Region
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	1974-10-15
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Minimal data.
Data-Other GW Files :	YYNNNYNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	110
Hole Depth :	N/R
Source of Depth Data :	A
Project Number :	WA08900
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1974-10-15
Field Water-level Measurements End Date:	1975-08-26
Field Water-Level Measurements Count:	2
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	47.976201
Longitude :	-122.75572
Last Date in Agency List :	2022-08-15



Map Id: 80  
 Direction: NNW  
 Distance: 0.726 mi., 3835 ft.  
 Elevation: 142 ft.  
 Relative: Higher

**Site Name :** 480007122465301  
 48.001784, -122.782972  
 WA  
**Database(s) :** [NWIS]

**Envirosite ID:** 20198441  
**EPA ID:** N/R

## NWIS

Site Identification Number :	480007122465301
Site Type :	Well
Station Name :	29N/01W-15R01
Agency :	U.S. Geological Survey
District :	N/R
State :	WA
County :	Jefferson County
Country :	USA
Land Net Location :	SESES15 T29N R01W W
Name of Location Map :	PORT TOWNSEND SOUTH
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	135.52
Method Altitude Determined :	Interpolated from Digital Elevation Model
Altitude Accuracy :	1
Altitude Datum :	North American Vertical Datum of 1988
Hydrologic Unit :	Puget Sound
Drainage Basin :	Pacific Northwest Region
Topographic Setting :	Valley flat
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	1954-01-07
Date Site Established or Inventoried:	2002-03-05
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-Other GW Files :	YYNNYYNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	95
Hole Depth :	95
Source of Depth Data :	D
Project Number :	WA45800
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1954-01-07
Field Water-level Measurements End Date:	2009-12-17
Field Water-Level Measurements Count:	74
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	48.001784
Longitude :	-122.782972
Last Date in Agency List :	2022-08-15



Map Id: 81  
Direction: NNW  
Distance: 0.731 mi., 3859 ft.  
Elevation: 255 ft.  
Relative: Higher

**Site Name :** 251494  
48.000762, -122.78663  
WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47895617  
**EPA ID:** N/R

## WELLS - WA

Well Tag Number : AEA439  
NIT ID Number : W097381  
Well Type Code : W  
Well Address : 1244 WEST VALLEY RD. CHIMACUM  
County ID : 31  
Region Code : 2  
Well Completion Date : 2000-06-01  
Well Log Received Date : 2000-07-17  
Well Diameter Quarter : 6  
Well Dept Quarter : 172  
Well Owner Name : LAURIE HALL  
Driller Number : N/R  
Section/Township/Range : SEC 15, TWP 29N, RNG 01W  
Range Fraction Number : N/R  
QTR Section CD : SE  
QTR QTR Section CD : SW  
Tax Parcel Number : N/R  
Last Update : N/R  
WRIA Number : 17  
Last Date in Agency List : 2022-10-18

Map Id: H82  
Direction: ESE  
Distance: 0.748 mi., 3952 ft.  
Elevation: 507 ft.  
Relative: Higher

**Site Name :** 475835122451401  
47.976201, -122.755165  
WA  
**Database(s) :** [NWIS]

**Envirosite ID:** 20197194  
**EPA ID:** N/R

## NWIS

Site Identification Number : 475835122451401  
Site Type : Well  
Station Name : 29N/01E-19P02  
Agency : U.S. Geological Survey  
District : N/R  
State : WA  
County : Jefferson County  
Country : USA  
Land Net Location : SESWS19 T29N R01E W  
Name of Location Map : PLATE 3 BULLETIN 54  
Scale of Location Map : 48000  
Altitude of Gage/Land Surface : 275  
Method Altitude Determined : Interpolated from topographic map.  
Altitude Accuracy : 5  
Altitude Datum : National Geodetic Vertical Datum of 1929  
Hydrologic Unit : Puget Sound  
Drainage Basin : Pacific Northwest Region  
Topographic Setting : N/R  
Flags for the Type of Data Collected : NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO  
Flags for Instruments at Site : NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN  
Date of First Construction : 1970-07-21  
Date Site Established or Inventoried : N/R



Map Id: H82  
 Direction: ESE  
 Distance: 0.748 mi., 3952 ft.  
 Elevation: 507 ft.  
 Relative: Higher

**Site Name :** 475835122451401  
 47.976201, -122.755165  
 WA  
**Database(s) :** [NWIS] (*cont.*)

**Envirosite ID:** 20197194  
**EPA ID:** N/R

## NWIS (*cont.*)

Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Minimal data.
Data-Other GW Files :	YYNNNNYYNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	212
Hole Depth :	N/R
Source of Depth Data :	A
Project Number :	WA08900
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1970-07-21
Field Water-level Measurements End Date:	1975-08-26
Field Water-Level Measurements Count:	2
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	47.976201
Longitude :	-122.755165
Last Date in Agency List :	2022-08-15

Map Id: 83  
 Direction: N  
 Distance: 0.751 mi., 3966 ft.  
 Elevation: 114 ft.  
 Relative: Lower

**Site Name :** 1118369  
 48.002541, -122.77311  
 WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47811270  
**EPA ID:** N/R

## WELLS - WA

Well Tag Number :	N/R
NIT ID Number :	N/R
Well Type Code :	W
Well Address :	N/R
County ID :	31
Region Code :	2
Well Completion Date :	N/R
Well Log Received Date :	N/R
Well Diameter Quarter :	6
Well Dept Quarter :	14
Well Owner Name :	WILLIAM BISHOP
Driller Number :	N/R
Section/Township/Range :	SEC 14, TWP 29N, RNG 1W



Map Id: 83  
Direction: N  
Distance: 0.751 mi., 3966 ft.  
Elevation: 114 ft.  
Relative: Lower

**Site Name :** 1118369  
48.002541, -122.77311  
WA  
**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47811270  
**EPA ID:** N/R

**WELLS - WA (cont.)**

Range Fraction Number : N/R  
QTR Section CD : SW  
QTR QTR Section CD : N/R  
Tax Parcel Number : N/R  
Last Update : 2016-01-06  
WRIA Number : N/R  
Last Date in Agency List : 2022-10-18

Map Id: 84  
Direction: ESE  
Distance: 0.771 mi., 4071 ft.  
Elevation: 500 ft.  
Relative: Higher

**Site Name :** 475838122451201  
47.977034, -122.754609  
WA  
**Database(s) :** [NWIS]

**Envirosite ID:** 20132722  
**EPA ID:** N/R

**NWIS**

Site Identification Number : 475838122451201  
Site Type : Well  
Station Name : 29N/01E-19K01  
Agency : U.S. Geological Survey  
District : N/R  
State : WA  
County : Jefferson County  
Country : USA  
Land Net Location : NWSE19 T29N R01E W  
Name of Location Map : PLATE 3 BULLETIN 54  
Scale of Location Map : 48000  
Altitude of Gage/Land Surface : 260  
Method Altitude Determined : Interpolated from topographic map.  
Altitude Accuracy : 5  
Altitude Datum : National Geodetic Vertical Datum of 1929  
Hydrologic Unit : Puget Sound  
Drainage Basin : Pacific Northwest Region  
Topographic Setting : N/R  
Flags for the Type of Data Collected: NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO  
Flags for Instruments at Site : NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN  
Date of First Construction : 1969-06-12  
Date Site Established or Inventoried: N/R  
Drainage Area : N/R  
Contributing Drainage Area : N/R  
Data Reliability : Minimal data.  
Data-Other GW Files : YNNNNYNN  
National Aquifer : N/R  
Local Aquifer : N/R  
Local Aquifer Type : N/R  
Well Depth : 92  
Hole Depth : N/R  
Source of Depth Data : A  
Project Number : WA08900  
Real-Time Data Flag : 0  
Peak-Streamflow Data Begin Date : N/R



Map Id: 84  
Direction: ESE  
Distance: 0.771 mi., 4071 ft.  
Elevation: 500 ft.  
Relative: Higher

**Site Name :** 475838122451201  
47.977034, -122.754609  
WA  
**Database(s) :** [NWIS] (*cont.*)

**Envirosite ID:** 20132722  
**EPA ID:** N/R

**NWIS (*cont.*)**

Peak-Streamflow Data End Date : N/R  
Peak-Streamflow Data Count : 0  
Water-Quality Data Begin Date : N/R  
Water-Quality Data End Date : N/R  
Water-Quality Data Count : 0  
Field Water-Level Measurements Begin Date: 1969-06-12  
Field Water-level Measurements End Date: 1975-08-26  
Field Water-Level Measurements Count: 2  
Site-Visit Data Begin Date : N/R  
Site-Visit Data End Date : N/R  
Site-Visit Data Count : 0  
Latitude : 47.977034  
Longitude : -122.754609  
Last Date in Agency List : 2022-08-15

Map Id: 85  
Direction: WSW  
Distance: 0.779 mi., 4115 ft.  
Elevation: 487 ft.  
Relative: Higher

**Site Name :** 49330 | 55149  
47.979004, -122.797553  
WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47788972  
**EPA ID:** N/R

**WELLS - WA**

Well Tag Number : N/R  
NIT ID Number : N/R  
Well Type Code : W  
Well Address : N/R  
County ID : 31  
Region Code : 2  
Well Completion Date : 1980-08-08  
Well Log Received Date : 1980-08-28  
Well Diameter Quarter : 6  
Well Dept Quarter : 262  
Well Owner Name : KATHLEEN WELLMAN  
Driller Number : 0779  
Section/Township/Range : SEC 27, TWP 29N, RNG 01W  
Range Fraction Number : N/R  
QTR Section CD : NW  
QTR QTR Section CD : SW  
Tax Parcel Number : N/R  
Last Update : N/R  
WRIA Number : 17  
Last Date in Agency List : 2022-10-18

Well Tag Number : ABP934  
NIT ID Number : W052661  
Well Type Code : W  
Well Address : 393 WINDRIDGE RD, CHIMACUM



Map Id: 85  
Direction: WSW  
Distance: 0.779 mi., 4115 ft.  
Elevation: 487 ft.  
Relative: Higher

**Site Name :** 49330 | 55149  
47.979004, -122.797553  
WA  
**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47788972  
**EPA ID:** N/R

**WELLS - WA (cont.)**

County ID :	31
Region Code :	2
Well Completion Date :	1994-12-02
Well Log Received Date :	1995-01-04
Well Diameter Quarter :	6
Well Dept Quarter :	398
Well Owner Name :	MR. SCOTT ETHERINGTON
Driller Number :	0761
Section/Township/Range :	SEC 27, TWP 29N, RNG 01W
Range Fraction Number :	N/R
QTR Section CD :	NW
QTR QTR Section CD :	SW
Tax Parcel Number :	N/R
Last Update :	N/R
WRIA Number :	17
Last Date in Agency List :	2022-10-18

Map Id: 86  
Direction: NNW  
Distance: 0.791 mi., 4175 ft.  
Elevation: 145 ft.  
Relative: Higher

**Site Name :** 510092  
48.00257, -122.783873  
WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47888810  
**EPA ID:** N/R

**WELLS - WA**

Well Tag Number :	ALS552
NIT ID Number :	W213713
Well Type Code :	W
Well Address :	W VALLEY RD, CHIMACUM
County ID :	31
Region Code :	2
Well Completion Date :	2007-10-26
Well Log Received Date :	2007-12-11
Well Diameter Quarter :	6
Well Dept Quarter :	92
Well Owner Name :	PETER BRUMMEL
Driller Number :	N/R
Section/Township/Range :	SEC 15, TWP 29N, RNG 01W
Range Fraction Number :	N/R
QTR Section CD :	SE
QTR QTR Section CD :	N/R
Tax Parcel Number :	901154008
Last Update :	2008-01-08
WRIA Number :	17
Last Date in Agency List :	2022-10-18



**Envirosite ID:** 20000494  
**EPA ID:** N/R

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Map Id: 88  
Direction: W  
Distance: 0.802 mi., 4234 ft.  
Elevation: 350 ft.  
Relative: Higher

**Site Name :** 475902122480101  
47.983889, -122.800278  
WA  
**Database(s) :** [NWIS]

**Envirosite ID:** 20308746  
**EPA ID:** N/R

## NWIS

Site Identification Number :	475902122480101
Site Type :	Well
Station Name :	29N/01W-27D01
Agency :	U.S. Geological Survey
District :	N/R
State :	WA
County :	Jefferson County
Country :	USA
Land Net Location :	NWNWS27 T29N R01W W
Name of Location Map :	N/R
Scale of Location Map :	N/R
Altitude of Gage/Land Surface :	360
Method Altitude Determined :	Light Detection And Ranging, airplane
Altitude Accuracy :	1
Altitude Datum :	North American Vertical Datum of 1988
Hydrologic Unit :	Puget Sound
Drainage Basin :	N/R
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	2004-05-11
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Unchecked data.
Data-Other GW Files :	YYY Y
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	101.25
Hole Depth :	101.35
Source of Depth Data :	D
Project Number :	WACYV00
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	2004-06-02
Field Water-level Measurements End Date:	2004-06-02
Field Water-Level Measurements Count:	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	47.983889
Longitude :	-122.800278
Last Date in Agency List :	2022-08-15



Map Id: 89  
 Direction: WNW  
 Distance: 0.802 mi., 4237 ft.  
 Elevation: 459 ft.  
 Relative: Higher

**Site Name :** 276514 | 276515 | 350825  
 47.997177, -122.797517  
 WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47833650  
**EPA ID:** N/R

## WELLS - WA

Well Tag Number : AHM305  
 NIT ID Number : W046387  
 Well Type Code : W  
 Well Address : APPROX 300 FAWN MEADOW RD, CHIMACUM  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : 2002-10-24  
 Well Log Received Date : 2002-12-16  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 276.5  
 Well Owner Name : ERICA ISEMINGER  
 Driller Number : N/R  
 Section/Township/Range : SEC 22, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : NW  
 QTR QTR Section CD : NW  
 Tax Parcel Number : 901225009  
 Last Update : 2006-11-22  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : N/R  
 NIT ID Number : N/R  
 Well Type Code : W  
 Well Address : N/R  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : N/R  
 Well Log Received Date : N/R  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 203  
 Well Owner Name : MIKE LEROY  
 Driller Number : N/R  
 Section/Township/Range : SEC 22, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : NW  
 QTR QTR Section CD : NW  
 Tax Parcel Number : N/R  
 Last Update : N/R  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : AHM305  
 NIT ID Number : W046387  
 Well Type Code : W  
 Well Address : APPROX 300 FAWN MEADOW RD, CHIMACUM  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : 2002-10-24  
 Well Log Received Date : 2002-12-16  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 276.5  
 Well Owner Name : ERICA ISEMINGER  
 Driller Number : N/R  
 Section/Township/Range : SEC 22, TWP 29N, RNG 01W



Map Id: 89  
 Direction: WNW  
 Distance: 0.802 mi., 4237 ft.  
 Elevation: 459 ft.  
 Relative: Higher

**Site Name :** 276514 | 276515 | 350825  
 47.997177, -122.797517  
 WA  
**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47833650  
**EPA ID:** N/R

## WELLS - WA (**cont.**)

Range Fraction Number : N/R  
 QTR Section CD : NW  
 QTR QTR Section CD : NW  
 Tax Parcel Number : 901225009  
 Last Update : 2004-07-22  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : N/R  
 NIT ID Number : N/R  
 Well Type Code : W  
 Well Address : N/R  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : N/R  
 Well Log Received Date : N/R  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 203  
 Well Owner Name : MIKE LEROY  
 Driller Number : N/R  
 Section/Township/Range : SEC 22, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : NW  
 QTR QTR Section CD : NW  
 Tax Parcel Number : N/R  
 Last Update : N/R  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : AFC980  
 NIT ID Number : W157519  
 Well Type Code : W  
 Well Address : #8 FAWN MEADOWS  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : 2002-09-11  
 Well Log Received Date : 2002-11-07  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 284.3  
 Well Owner Name : CAROLYN MARQUETTE/RICHARD LINDELL  
 Driller Number : N/R  
 Section/Township/Range : SEC 22, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : NW  
 QTR QTR Section CD : NW  
 Tax Parcel Number : 901225008  
 Last Update : 2003-01-28  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18



Map Id: 90  
 Direction: ESE  
 Distance: 0.807 mi., 4260 ft.  
 Elevation: 468 ft.  
 Relative: Higher

**Site Name :** 475832122451001  
 47.975368, -122.754053  
 WA  
**Database(s) :** [NWIS]

**Envirosite ID:** 31310193  
**EPA ID:** N/R

## NWIS

Site Identification Number :	475832122451001
Site Type :	Well
Station Name :	29N/01E-19P06
Agency :	U.S. Geological Survey
District :	N/R
State :	WA
County :	Jefferson County
Country :	USA
Land Net Location :	SESWS19 T29N R01E W
Name of Location Map :	PLATE 3 BULLETIN 54
Scale of Location Map :	48000
Altitude of Gage/Land Surface :	260
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	5
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Puget Sound
Drainage Basin :	Pacific Northwest Region
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	1975-07-16
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Minimal data.
Data-Other GW Files :	YYNNNNYNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	260
Hole Depth :	260
Source of Depth Data :	A
Project Number :	WA08900
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1975-07-16
Field Water-level Measurements End Date:	1975-08-27
Field Water-Level Measurements Count:	2
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	47.975368
Longitude :	-122.754053
Last Date in Agency List :	2022-08-15



**Envirosite ID:** 20004823  
**EPA ID:** N/R



Map Id: 92  
Direction: SW  
Distance: 0.828 mi., 4372 ft.  
Elevation: 267 ft.  
Relative: Higher

**Site Name :** 475808122472901  
47.968889, -122.791389  
WA  
**Database(s) :** [NWIS]

**Envirosite ID:** 20132279  
**EPA ID:** N/R

## NWIS

Site Identification Number :	475808122472901
Site Type :	Well
Station Name :	29N/01W-34C02
Agency :	U.S. Geological Survey
District :	N/R
State :	WA
County :	Jefferson County
Country :	USA
Land Net Location :	NENWS34 T29N R01W W
Name of Location Map :	N/R
Scale of Location Map :	N/R
Altitude of Gage/Land Surface :	250
Method Altitude Determined :	Light Detection And Ranging, airplane
Altitude Accuracy :	1
Altitude Datum :	North American Vertical Datum of 1988
Hydrologic Unit :	Puget Sound
Drainage Basin :	N/R
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	2008-03-11
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Unchecked data.
Data-Other GW Files :	YY Y
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	140
Hole Depth :	140
Source of Depth Data :	D
Project Number :	WACYV00
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	2008-03-17
Field Water-level Measurements End Date:	2008-03-17
Field Water-Level Measurements Count:	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	47.968889
Longitude :	-122.791389
Last Date in Agency List :	2022-08-15



Map Id: 93  
Direction: NW  
Distance: 0.838 mi., 4423 ft.  
Elevation: 376 ft.  
Relative: Higher

**Site Name :** 360611 | 54355  
48.000769, -122.792051  
WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47914605  
**EPA ID:** N/R

## WELLS - WA

Well Tag Number : AAP673  
NIT ID Number : W034749  
Well Type Code : W  
Well Address : VALLEY HILLS  
County ID : 31  
Region Code : 2  
Well Completion Date : 1996-10-06  
Well Log Received Date : N/R  
Well Diameter Quarter : 8  
Well Dept Quarter : 540  
Well Owner Name : NW RESOURCE DEVELOPERS  
Driller Number : 2223  
Section/Township/Range : SEC 15, TWP 29N, RNG 01W  
Range Fraction Number : N/R  
QTR Section CD : SW  
QTR QTR Section CD : SE  
Tax Parcel Number : N/R  
Last Update : N/R  
WRIA Number : 17  
Last Date in Agency List : 2022-10-18

Well Tag Number : AAP673  
NIT ID Number : A042682  
Well Type Code : A  
Well Address : VALLEY HILLS SUBDIVISION,PORT TOWNSEND  
County ID : 31  
Region Code : 2  
Well Completion Date : 2003-02-26  
Well Log Received Date : 2003-04-24  
Well Diameter Quarter : N/R  
Well Dept Quarter : N/R  
Well Owner Name : CITIFOR  
Driller Number : N/R  
Section/Township/Range : SEC 15, TWP 29N, RNG 01W  
Range Fraction Number : N/R  
QTR Section CD : SW  
QTR QTR Section CD : SE  
Tax Parcel Number : N/R  
Last Update : 2006-05-11  
WRIA Number : 17  
Last Date in Agency List : 2022-10-18



**Envirosite ID:** 19989779  
**EPA ID:** N/R



Map Id: 95  
 Direction: ESE  
 Distance: 0.853 mi., 4502 ft.  
 Elevation: 423 ft.  
 Relative: Higher

**Site Name :** 475834122450601  
 47.975923, -122.752942  
 WA  
**Database(s) :** [NWIS]

**EnviroSite ID:** 20052644  
**EPA ID:** N/R

## NWIS

Site Identification Number :	475834122450601
Site Type :	Well
Station Name :	29N/01E-19Q01
Agency :	U.S. Geological Survey
District :	N/R
State :	WA
County :	Jefferson County
Country :	USA
Land Net Location :	SWSES19 T29N R01E W
Name of Location Map :	PLATE 3 BULLETIN 54
Scale of Location Map :	48000
Altitude of Gage/Land Surface :	160
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	5
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Puget Sound
Drainage Basin :	Pacific Northwest Region
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	1973-09-03
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Minimal data.
Data-Other GW Files :	YYNNNNYNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	161
Hole Depth :	161
Source of Depth Data :	A
Project Number :	WA08900
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1973-09-03
Field Water-level Measurements End Date:	1973-09-03
Field Water-Level Measurements Count:	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	47.975923
Longitude :	-122.752942
Last Date in Agency List :	2022-08-15



Map Id: 96  
 Direction: E  
 Distance: 0.853 mi., 4504 ft.  
 Elevation: 269 ft.  
 Relative: Higher

**Site Name :** 475857122450501  
 47.982312, -122.752665  
 WA  
**Database(s) :** [NWIS]

**Envirosite ID:** 20255130  
**EPA ID:** N/R

## NWIS

Site Identification Number :	475857122450501
Site Type :	Well
Station Name :	29N/01E-19G01
Agency :	U.S. Geological Survey
District :	N/R
State :	WA
County :	Jefferson County
Country :	USA
Land Net Location :	SWNES19 T29N R01E W
Name of Location Map :	PLATE 3 BULLETIN 54
Scale of Location Map :	48000
Altitude of Gage/Land Surface :	80
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	2
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Puget Sound
Drainage Basin :	Pacific Northwest Region
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	1974-06-20
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Minimal data.
Data-Other GW Files :	YYNNNNYNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	345
Hole Depth :	N/R
Source of Depth Data :	A
Project Number :	WA08900
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1974-06-20
Field Water-level Measurements End Date:	1974-06-20
Field Water-Level Measurements Count:	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	47.982312
Longitude :	-122.752665
Last Date in Agency List :	2022-08-15



Map Id: 97  
Direction: SSE  
Distance: 0.885 mi., 4674 ft.  
Elevation: 329 ft.  
Relative: Higher

**Site Name :** 498238 | 53343  
47.964397, -122.770804  
WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47819706  
**EPA ID:** N/R

## WELLS - WA

Well Tag Number : N/R  
NIT ID Number : 029429  
Well Type Code : W  
Well Address : N/R  
County ID : 31  
Region Code : 2  
Well Completion Date : 1991-09-30  
Well Log Received Date : N/R  
Well Diameter Quarter : 6  
Well Dept Quarter : 210  
Well Owner Name : TOM BARRETT  
Driller Number : 0458  
Section/Township/Range : SEC 35, TWP 29N, RNG 01W  
Range Fraction Number : N/R  
QTR Section CD : NW  
QTR QTR Section CD : SE  
Tax Parcel Number : N/R  
Last Update : N/R  
WRIA Number : 17  
Last Date in Agency List : 2022-10-18

Well Tag Number : N/R  
NIT ID Number : W035246  
Well Type Code : W  
Well Address : N/R  
County ID : 31  
Region Code : 2  
Well Completion Date : 1994-09-30  
Well Log Received Date : 1994-10-03  
Well Diameter Quarter : 6  
Well Dept Quarter : 143  
Well Owner Name : R.H. Van Valkenburg  
Driller Number : 1717  
Section/Township/Range : SEC 35, TWP 29N, RNG 1E  
Range Fraction Number : N/R  
QTR Section CD : NW  
QTR QTR Section CD : SE  
Tax Parcel Number : N/R  
Last Update : 2021-09-09  
WRIA Number : 7  
Last Date in Agency List : 2022-10-18



Map Id: 98  
Direction: WSW  
Distance: 0.889 mi., 4696 ft.  
Elevation: 464 ft.  
Relative: Higher

**Site Name :** 434609  
47.975378, -122.7976  
WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47900309  
**EPA ID:** N/R

## WELLS - WA

Well Tag Number : AKM105  
NIT ID Number : W184207  
Well Type Code : W  
Well Address : 694 NAYLOR CREEK RD  
County ID : 31  
Region Code : 2  
Well Completion Date : 2006-03-03  
Well Log Received Date : 2006-03-08  
Well Diameter Quarter : 6  
Well Dept Quarter : 352  
Well Owner Name : PAULA HIEB  
Driller Number : N/R  
Section/Township/Range : SEC 27, TWP 29N, RNG 01W  
Range Fraction Number : N/R  
QTR Section CD : SW  
QTR QTR Section CD : NW  
Tax Parcel Number : 901-272-019  
Last Update : 2006-04-05  
WRIA Number : 17  
Last Date in Agency List : 2022-10-18

Map Id: 99  
Direction: NNE  
Distance: 0.893 mi., 4714 ft.  
Elevation: 123 ft.  
Relative: Lower

**Site Name :** 1118345 | 550868  
48.004351, -122.770386  
WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47840411  
**EPA ID:** N/R

## WELLS - WA

Well Tag Number : N/R  
NIT ID Number : N/R  
Well Type Code : W  
Well Address : N/R  
County ID : 31  
Region Code : 2  
Well Completion Date : N/R  
Well Log Received Date : N/R  
Well Diameter Quarter : 6  
Well Dept Quarter : 0  
Well Owner Name : D.G. BROWN  
Driller Number : N/R  
Section/Township/Range : SEC 14, TWP 29N, RNG 01W  
Range Fraction Number : N/R  
QTR Section CD : SW  
QTR QTR Section CD : NE  
Tax Parcel Number : N/R  
Last Update : 2016-01-06  
WRIA Number : 17  
Last Date in Agency List : 2022-10-18



Map Id: 99  
Direction: NNE  
Distance: 0.893 mi., 4714 ft.  
Elevation: 123 ft.  
Relative: Lower

**Site Name :** 1118345 | 550868  
48.004351, -122.770386  
WA  
**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47840411  
**EPA ID:** N/R

**WELLS - WA (cont.)**

Well Tag Number :	ALK599
NIT ID Number :	W249150
Well Type Code :	W
Well Address :	406 CENTER VALLEY, CHIMACUM
County ID :	9
Region Code :	2
Well Completion Date :	2008-07-18
Well Log Received Date :	2008-08-29
Well Diameter Quarter :	6
Well Dept Quarter :	55
Well Owner Name :	JLT RESOURCES
Driller Number :	N/R
Section/Township/Range :	SEC 14, TWP 29N, RNG 01W
Range Fraction Number :	N/R
QTR Section CD :	SW
QTR QTR Section CD :	NE
Tax Parcel Number :	901-142-001
Last Update :	2008-10-02
WRIA Number :	17
Last Date in Agency List :	2022-10-18

Map Id: 100  
Direction: SE  
Distance: 0.895 mi., 4724 ft.  
Elevation: 398 ft.  
Relative: Higher

**Site Name :** 475800122453301  
47.966479, -122.760442  
WA  
**Database(s) :** [NWIS]

**Envirosite ID:** 20196916  
**EPA ID:** N/R

**NWIS**

Site Identification Number :	475800122453301
Site Type :	Well
Station Name :	29N/01W-25J01
Agency :	U.S. Geological Survey
District :	N/R
State :	WA
County :	Jefferson County
Country :	USA
Land Net Location :	NESES25 T29N R01W W
Name of Location Map :	PLATE 3 BULLETIN 54
Scale of Location Map :	48000
Altitude of Gage/Land Surface :	170
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	5
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Puget Sound
Drainage Basin :	Pacific Northwest Region
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	1975-08-21
Date Site Established or Inventoried:	N/R



Map Id: 100  
 Direction: SE  
 Distance: 0.895 mi., 4724 ft.  
 Elevation: 398 ft.  
 Relative: Higher

**Site Name :** 475800122453301  
 47.966479, -122.760442  
 WA  
**Database(s) :** [NWIS] (*cont.*)

**Envirosite ID:** 20196916  
**EPA ID:** N/R

## NWIS (*cont.*)

Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Minimal data.
Data-Other GW Files :	YYNNYYNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	75
Hole Depth :	N/R
Source of Depth Data :	A
Project Number :	WA08900
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1975-08-21
Field Water-level Measurements End Date:	1975-08-21
Field Water-Level Measurements Count:	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	47.966479
Longitude :	-122.760442
Last Date in Agency List :	2022-08-15

Map Id: 101  
 Direction: SW  
 Distance: 0.896 mi., 4733 ft.  
 Elevation: 287 ft.  
 Relative: Higher

**Site Name :** 521848 | 54059 | 56077  
 47.968098, -122.792299  
 WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47817832  
**EPA ID:** N/R

## WELLS - WA

Well Tag Number :	N/R
NIT ID Number :	032789
Well Type Code :	W
Well Address :	3430 W VALLEY, CHIMACUM
County ID :	31
Region Code :	2
Well Completion Date :	1998-01-28
Well Log Received Date :	N/R
Well Diameter Quarter :	6
Well Dept Quarter :	195
Well Owner Name :	WILLIAM WRATT
Driller Number :	2162
Section/Township/Range :	SEC 34, TWP 29N, RNG 01W



Map Id: 101  
 Direction: SW  
 Distance: 0.896 mi., 4733 ft.  
 Elevation: 287 ft.  
 Relative: Higher

**Site Name :** 521848 | 54059 | 56077  
 47.968098, -122.792299  
 WA

**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47817832  
**EPA ID:** N/R

## WELLS - WA (**cont.**)

Range Fraction Number : N/R  
 QTR Section CD : NW  
 QTR QTR Section CD : NE  
 Tax Parcel Number : N/R  
 Last Update : N/R  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : ALK578  
 NIT ID Number : W265800  
 Well Type Code : W  
 Well Address : N/R  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : 2008-03-17  
 Well Log Received Date : 2008-04-01  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 140  
 Well Owner Name : BRUCE GLEEMAN  
 Driller Number : N/R  
 Section/Township/Range : SEC 34, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : NW  
 QTR QTR Section CD : NE  
 Tax Parcel Number : 901342027  
 Last Update : 2008-04-08  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : ACR131  
 NIT ID Number : W095519  
 Well Type Code : W  
 Well Address : 3654 W VALLEY RD, CHIMACUM  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : 1998-04-23  
 Well Log Received Date : 1998-06-03  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 179  
 Well Owner Name : CRAIG PETERSON  
 Driller Number : 0524  
 Section/Township/Range : SEC 34, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : NW  
 QTR QTR Section CD : NE  
 Tax Parcel Number : N/R  
 Last Update : N/R  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : ACR052  
 NIT ID Number : W072559  
 Well Type Code : W  
 Well Address : 3389 W VALLEY RD CHIMACUM 98325



Map Id: 101  
Direction: SW  
Distance: 0.896 mi., 4733 ft.  
Elevation: 287 ft.  
Relative: Higher

**Site Name :** 521848 | 54059 | 56077  
47.968098, -122.792299  
WA  
**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47817832  
**EPA ID:** N/R

**WELLS - WA (cont.)**

County ID :	31
Region Code :	2
Well Completion Date :	1997-04-03
Well Log Received Date :	1997-04-15
Well Diameter Quarter :	6
Well Dept Quarter :	136
Well Owner Name :	MARGARET & PAT WHALEY
Driller Number :	2001
Section/Township/Range :	SEC 34, TWP 29N, RNG 01W
Range Fraction Number :	N/R
QTR Section CD :	NW
QTR QTR Section CD :	NE
Tax Parcel Number :	N/R
Last Update :	2003-01-22
WRIA Number :	17
Last Date in Agency List :	2022-10-18

Map Id: 102  
Direction: WNW  
Distance: 0.897 mi., 4735 ft.  
Elevation: 478 ft.  
Relative: Higher

**Site Name :** 475949122480101  
47.996944, -122.800278  
WA  
**Database(s) :** [NWIS]

**Envirosite ID:** 20022080  
**EPA ID:** N/R

**NWIS**

Site Identification Number :	475949122480101
Site Type :	Well
Station Name :	29N/01W-22D01
Agency :	U.S. Geological Survey
District :	N/R
State :	WA
County :	Jefferson County
Country :	USA
Land Net Location :	NWNWS22 T29N R01W W
Name of Location Map :	N/R
Scale of Location Map :	N/R
Altitude of Gage/Land Surface :	471
Method Altitude Determined :	Light Detection And Ranging, airplane
Altitude Accuracy :	1
Altitude Datum :	North American Vertical Datum of 1988
Hydrologic Unit :	Puget Sound
Drainage Basin :	N/R
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	2002-08-04
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Unchecked data.
Data-Other GW Files :	YYY Y



Map Id: 102  
 Direction: WNW  
 Distance: 0.897 mi., 4735 ft.  
 Elevation: 478 ft.  
 Relative: Higher

**Site Name :** 475949122480101  
 47.996944, -122.800278  
 WA  
**Database(s) :** [NWIS] (*cont.*)

**Envirosite ID:** 20022080  
**EPA ID:** N/R

## NWIS (*cont.*)

National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	284.25
Hole Depth :	284.25
Source of Depth Data :	D
Project Number :	WACYV00
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	2002-09-11
Field Water-level Measurements End Date:	2002-09-11
Field Water-Level Measurements Count:	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	47.996944
Longitude :	-122.800278
Last Date in Agency List :	2022-08-15

Map Id: 103  
 Direction: NNW  
 Distance: 0.908 mi., 4795 ft.  
 Elevation: 143 ft.  
 Relative: Higher

**Site Name :** 12051506  
 48.004256, -122.784333  
 WA  
**Database(s) :** [NWIS]

**Envirosite ID:** 19994720  
**EPA ID:** N/R

## NWIS

Site Identification Number :	12051506
Site Type :	Stream
Station Name :	CHIMACUM CREEK TRIB OFF CENTER RD NR CHIMACUM, WA
Agency :	U.S. Geological Survey
District :	N/R
State :	WA
County :	Jefferson County
Country :	USA
Land Net Location :	NWSES15 T29N R01W W
Name of Location Map :	N/R
Scale of Location Map :	N/R
Altitude of Gage/Land Surface :	N/R
Method Altitude Determined :	N/R
Altitude Accuracy :	N/R
Altitude Datum :	N/R
Hydrologic Unit :	Puget Sound
Drainage Basin :	N/R



**Envirosite ID:** 19994720  
**EPA ID:** N/R

[illegible]

**Envirosite ID:** 20053543  
**EPA ID:** N/R

Site Identification Number :	480003122474301
Site Type :	Well
Station Name :	29N/01W-15N01
Agency :	U.S. Geological Survey
District :	N/R
State :	WA
County :	Jefferson County
Country :	USA



Map Id: 104  
 Direction: NW  
 Distance: 0.918 mi., 4845 ft.  
 Elevation: 370 ft.  
 Relative: Higher

**Site Name :** 480003122474301  
 48.000833, -122.795278  
 WA  
**Database(s) :** [NWIS] (*cont.*)

**Envirosite ID:** 20053543  
**EPA ID:** N/R

## NWIS (*cont.*)

Land Net Location :	SWSWS15 T29N R01W W
Name of Location Map :	N/R
Scale of Location Map :	N/R
Altitude of Gage/Land Surface :	374
Method Altitude Determined :	Light Detection And Ranging, airplane
Altitude Accuracy :	1
Altitude Datum :	North American Vertical Datum of 1988
Hydrologic Unit :	Puget Sound
Drainage Basin :	N/R
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	2006-07-13
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Unchecked data.
Data-Other GW Files :	YYY Y
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	296
Hole Depth :	296
Source of Depth Data :	D
Project Number :	WACYV00
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	2006-08-04
Field Water-level Measurements End Date:	2006-08-04
Field Water-Level Measurements Count:	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	48.000833
Longitude :	-122.795278
Last Date in Agency List :	2022-08-15



Map Id: 105  
 Direction: SSE  
 Distance: 0.928 mi., 4903 ft.  
 Elevation: 431 ft.  
 Relative: Higher

**Site Name :** 1617522 | 419972 | 50213  
 47.964354, -122.765405  
 WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47879905  
**EPA ID:** N/R

## WELLS - WA

Well Tag Number : AHL970  
 NIT ID Number : WE22505  
 Well Type Code : W  
 Well Address : 433 KEVIN LN.  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : 2015-12-31  
 Well Log Received Date : 2017-04-10  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 390  
 Well Owner Name : KEVIN ZAHINA and MICA MANN  
 Driller Number : 1029  
 Section/Township/Range : SEC 35, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : NE  
 QTR QTR Section CD : SW  
 Tax Parcel Number : 901355009  
 Last Update : 2017-04-27  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : ALS003  
 NIT ID Number : WE04271  
 Well Type Code : W  
 Well Address : BISHOP HILL RD, CHIMACUM 98325  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : 2005-10-26  
 Well Log Received Date : 2005-10-28  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 300  
 Well Owner Name : JANET KILMER  
 Driller Number : N/R  
 Section/Township/Range : SEC 35, TWP 29N, RNG 01W  
 Range Fraction Number : N/R  
 QTR Section CD : NE  
 QTR QTR Section CD : SW  
 Tax Parcel Number : 901355008  
 Last Update : 2005-11-03  
 WRIA Number : 17  
 Last Date in Agency List : 2022-10-18

Well Tag Number : N/R  
 NIT ID Number : 035237  
 Well Type Code : W  
 Well Address : 520 WHISPERING CEDAR LN, CHIMACUM  
 County ID : 31  
 Region Code : 2  
 Well Completion Date : N/R  
 Well Log Received Date : N/R  
 Well Diameter Quarter : 6  
 Well Dept Quarter : 128  
 Well Owner Name : MARY ROBERTSEN  
 Driller Number : 1717  
 Section/Township/Range : SEC 35, TWP 29N, RNG 01W



Map Id: 105  
Direction: SSE  
Distance: 0.928 mi., 4903 ft.  
Elevation: 431 ft.  
Relative: Higher

**Site Name :** 1617522 | 419972 | 50213  
47.964354, -122.765405  
WA  
**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47879905  
**EPA ID:** N/R

**WELLS - WA (cont.)**

Range Fraction Number :	N/R
QTR Section CD :	NE
QTR QTR Section CD :	SW
Tax Parcel Number :	N/R
Last Update :	N/R
WRIA Number :	17
Last Date in Agency List :	2022-10-18

Map Id: 106  
Direction: W  
Distance: 0.932 mi., 4924 ft.  
Elevation: 449 ft.  
Relative: Higher

**Site Name :** 50814  
47.982611, -122.802908  
WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47789335  
**EPA ID:** N/R

**WELLS - WA**

Well Tag Number :	N/R
NIT ID Number :	N/R
Well Type Code :	W
Well Address :	N/R
County ID :	31
Region Code :	2
Well Completion Date :	N/R
Well Log Received Date :	1977-06-01
Well Diameter Quarter :	6
Well Dept Quarter :	233
Well Owner Name :	NICHOLAS COLITSES
Driller Number :	0285
Section/Township/Range :	SEC 28, TWP 29N, RNG 01W
Range Fraction Number :	N/R
QTR Section CD :	NE
QTR QTR Section CD :	NE
Tax Parcel Number :	N/R
Last Update :	N/R
WRIA Number :	17
Last Date in Agency List :	2022-10-18



Map Id: 107  
Direction: SW  
Distance: 0.949 mi., 5012 ft.  
Elevation: 286 ft.  
Relative: Higher

**Site Name :** 475801122472601  
47.966757, -122.791805  
WA  
**Database(s) :** [NWIS]

**Envirosite ID:** 20254758  
**EPA ID:** N/R

## NWIS

Site Identification Number :	475801122472601
Site Type :	Well
Station Name :	29N/01W-34C01
Agency :	U.S. Geological Survey
District :	N/R
State :	WA
County :	Jefferson County
Country :	USA
Land Net Location :	NENWS34 T29N R01W W
Name of Location Map :	CENTER
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	278.96
Method Altitude Determined :	Interpolated from Digital Elevation Model
Altitude Accuracy :	1
Altitude Datum :	North American Vertical Datum of 1988
Hydrologic Unit :	Puget Sound
Drainage Basin :	Pacific Northwest Region
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	1998-04-14
Date Site Established or Inventoried:	2002-03-07
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-Other GW Files :	YYY Y
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	179
Hole Depth :	179
Source of Depth Data :	D
Project Number :	WA45800
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1998-04-23
Field Water-level Measurements End Date:	2002-10-09
Field Water-Level Measurements Count:	5
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	47.966757
Longitude :	-122.791805
Last Date in Agency List :	2022-08-15



**Envirosite ID:** 51526713  
**EPA ID:** N/R

Well Tag Number :	N/R
NIT ID Number :	N/R
Well Type Code :	W
Well Address :	N/R
County ID :	31
Region Code :	2
Well Completion Date :	N/R
Well Log Received Date :	N/R
Well Diameter Quarter :	6
Well Dept Quarter :	101
Well Owner Name :	DAVE MATSON
Driller Number :	N/R
Section/Township/Range :	SEC 15, TWP 29N, RNG 01E
Range Fraction Number :	N/R
QTR Section CD :	SE
QTR QTR Section CD :	NW
Tax Parcel Number :	N/R
Last Update :	N/R
WRIA Number :	7
Last Date in Agency List :	2022-10-18

**Envirosite ID:** 19998057  
**EPA ID:** N/R

[illegible]



Map Id: 109  
Direction: SSW  
Distance: 0.962 mi., 5082 ft.  
Elevation: 150 ft.  
Relative: Higher

**Site Name :** 12051475  
47.963423, -122.780999  
WA  
**Database(s) :** [NWIS] (*cont.*)

**Envirosite ID:** 19998057  
**EPA ID:** N/R

**NWIS (*cont.*)**

Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	N/R
Data-Other GW Files :	N/R
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	N/R
Hole Depth :	N/R
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	N/R
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	N/R
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	N/R
Field Water-Level Measurements Begin Date:	N/R
Field Water-level Measurements End Date:	N/R
Field Water-Level Measurements Count:	N/R
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	N/R
Latitude :	47.963423
Longitude :	-122.780999
Last Date in Agency List :	2022-08-15

Map Id: 110  
Direction: NW  
Distance: 0.977 mi., 5157 ft.  
Elevation: 410 ft.  
Relative: Higher

**Site Name :** 442490 | 473483  
48.000781, -122.797485  
WA  
**Database(s) :** [WELLS - WA]

**Envirosite ID:** 47895808  
**EPA ID:** N/R

**WELLS - WA**

Well Tag Number :	N/R
NIT ID Number :	W230757
Well Type Code :	W
Well Address :	VAN TROJAN RD, CHIMACUM
County ID :	31
Region Code :	2
Well Completion Date :	2006-01-12
Well Log Received Date :	2007-03-22
Well Diameter Quarter :	N/R
Well Dept Quarter :	N/R
Well Owner Name :	MILTON AND KATHLEEN TAYLOR
Driller Number :	N/R
Section/Township/Range :	SEC 15, TWP 29N, RNG 01W



Map Id: 110  
 Direction: NW  
 Distance: 0.977 mi., 5157 ft.  
 Elevation: 410 ft.  
 Relative: Higher

**Site Name :** 442490 | 473483  
 48.000781, -122.797485  
 WA  
**Database(s) :** [WELLS - WA] (**cont.**)

**Envirosite ID:** 47895808  
**EPA ID:** N/R

## WELLS - WA (**cont.**)

Range Fraction Number :	N/R
QTR Section CD :	SW
QTR QTR Section CD :	SW
Tax Parcel Number :	901153003
Last Update :	2007-04-06
WRIA Number :	17
Last Date in Agency List :	2022-10-18
Well Tag Number :	N/R
NIT ID Number :	W230763
Well Type Code :	W
Well Address :	VANTROYIN RD
County ID :	31
Region Code :	2
Well Completion Date :	2006-05-06
Well Log Received Date :	2006-06-09
Well Diameter Quarter :	N/R
Well Dept Quarter :	N/R
Well Owner Name :	KATHLEEN AND MILTON TAYLOR
Driller Number :	N/R
Section/Township/Range :	SEC 15, TWP 29N, RNG 01W
Range Fraction Number :	N/R
QTR Section CD :	SW
QTR QTR Section CD :	SW
Tax Parcel Number :	901153003
Last Update :	2006-06-15
WRIA Number :	17
Last Date in Agency List :	2022-10-18

Map Id: 111  
 Direction: W  
 Distance: 0.978 mi., 5163 ft.  
 Elevation: 446 ft.  
 Relative: Higher

**Site Name :** 475851122481201  
 47.980833, -122.803333  
 WA  
**Database(s) :** [NWIS]

**Envirosite ID:** 20240967  
**EPA ID:** N/R

## NWIS

Site Identification Number :	475851122481201
Site Type :	Well
Station Name :	29N/01W-28H01
Agency :	U.S. Geological Survey
District :	N/R
State :	WA
County :	Jefferson County
Country :	USA
Land Net Location :	SENE28 T29N R01W W
Name of Location Map :	N/R
Scale of Location Map :	N/R
Altitude of Gage/Land Surface :	443
Method Altitude Determined :	Light Detection And Ranging, airplane



Map Id: 111  
Direction: W  
Distance: 0.978 mi., 5163 ft.  
Elevation: 446 ft.  
Relative: Higher

**Site Name :** 475851122481201  
47.980833, -122.803333  
WA  
**Database(s) :** [NWIS] (*cont.*)

**Envirosite ID:** 20240967  
**EPA ID:** N/R

**NWIS (*cont.*)**

Altitude Accuracy : 1  
Altitude Datum : North American Vertical Datum of 1988  
Hydrologic Unit : Puget Sound  
Drainage Basin : N/R  
Topographic Setting : N/R  
Flags for the Type of Data Collected: NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO  
Flags for Instruments at Site : NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN  
Date of First Construction : 2006-06-01  
Date Site Established or Inventoried: N/R  
Drainage Area : N/R  
Contributing Drainage Area : N/R  
Data Reliability : Unchecked data.  
Data-Other GW Files : YYY Y  
National Aquifer : N/R  
Local Aquifer : N/R  
Local Aquifer Type : N/R  
Well Depth : 280  
Hole Depth : 280  
Source of Depth Data : D  
Project Number : WACYV00  
Real-Time Data Flag : 0  
Peak-Streamflow Data Begin Date : N/R  
Peak-Streamflow Data End Date : N/R  
Peak-Streamflow Data Count : 0  
Water-Quality Data Begin Date : N/R  
Water-Quality Data End Date : N/R  
Water-Quality Data Count : 0  
Field Water-Level Measurements Begin  
Date: 2006-06-09  
Field Water-level Measurements End  
Date: 2006-06-09  
Field Water-Level Measurements Count: 1  
Site-Visit Data Begin Date : N/R  
Site-Visit Data End Date : N/R  
Site-Visit Data Count : 0  
Latitude : 47.980833  
Longitude : -122.803333  
Last Date in Agency List : 2022-08-15

Map Id: 112  
Direction: NW  
Distance: 0.988 mi., 5219 ft.  
Elevation: 273 ft.  
Relative: Higher

**Site Name :** 480010122473601  
48.002778, -122.793333  
WA  
**Database(s) :** [NWIS]

**Envirosite ID:** 20117498  
**EPA ID:** N/R

**NWIS**

Site Identification Number : 480010122473601  
Site Type : Well  
Station Name : 29N/01W-15P01  
Agency : U.S. Geological Survey



**Envirosite ID:** 20117498  
**EPA ID:** N/R

[illegible]



Map Id: 113  
Direction: SSE  
Distance: 0.991 mi., 5231 ft.  
Elevation: 405 ft.  
Relative: Higher

**Site Name :** 475750122454801  
47.963889, -122.763333  
WA  
**Database(s) :** [NWIS]

**Envirosite ID:** 20246178  
**EPA ID:** N/R

## NWIS

Site Identification Number :	475750122454801
Site Type :	Well
Station Name :	29N/01W-35G01
Agency :	U.S. Geological Survey
District :	N/R
State :	WA
County :	Jefferson County
Country :	USA
Land Net Location :	SWNES35 T29N R01W W
Name of Location Map :	N/R
Scale of Location Map :	N/R
Altitude of Gage/Land Surface :	410
Method Altitude Determined :	Light Detection And Ranging, airplane
Altitude Accuracy :	1
Altitude Datum :	North American Vertical Datum of 1988
Hydrologic Unit :	Puget Sound
Drainage Basin :	N/R
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	2005-09-30
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Unchecked data.
Data-Other GW Files :	YYY Y
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	300
Hole Depth :	300
Source of Depth Data :	D
Project Number :	WACYV00
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	2005-10-26
Field Water-level Measurements End Date:	2005-10-26
Field Water-Level Measurements Count:	1
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	47.963889
Longitude :	-122.763333
Last Date in Agency List :	2022-08-15



### **RADON DATA:**

STATE SOURCE: No Available Data

FEDERAL AREA RADON INFORMATION FOR: 98325

NUMBER OF SAMPLE SITES: No Available Data

FEDERAL EPA RADON ZONE FOR JEFFERSON COUNTY: Zone = 3

Note: Zone 1 indoor average level > 4 pCi/L

: Zone 2 indoor average level > = 2 pCi/L and <= 4 pCi/L

: Zone 3 indoor average < 2 pCi/L



## HIST PWS ENF

Historical Public Water Supply locations with Enforcement Violations

Environmental Protection Agency

(800) 426-4791

List of Safe Drinking Water Information Systems (SDWIS) with enforcement violations that are no longer in current agency list.

## NWIS

National Water Information Systems

United States Geological Society

(703) 648-5953

Information on all water resources for the United States. This database contains all current and historical data for the nation.

## PWS

Public Water Supply

Environmental Protection Agency

(800) 426-4791

Safe drinking water information Systems

## PWS ENF

Public Water Supply locations with Enforcement Violations

Environmental Protection Agency

(800) 426-4791

Safe drinking water information Systems with enforcement violations

## WELLS - WA

Water Well Locations

Washington State Department of Ecology

Water Well Locations

## FLOOD Q3

Flood data

Environmental Protection Agency

(202) 566-1667

Q3 Flood Data

## HYDROLOGIC UNIT

Hydrologic Unit Maps

USGS

The United States Geological Survey created a hierarchical system of hydrologic units originally called regions, sub-regions, accounting units, and cataloging units. Each unit was assigned a unique Hydrologic Unit Code (HUC). As first implemented the system had 21 regions, 221 subregions, 378 accounting units, and 2,264 cataloging units. Over time the system was changed and expanded. As of 2010 there are six levels in the hierarchy, represented by hydrologic unit codes from 2 to 12 digits long, called regions, subregions, basins, subbasins, watersheds, and subwatersheds. The table below describes the system's hydrologic unit levels and their characteristics, along with example names and codes.

## WETLANDS NWI

National Wetland Inventory

U.S. Fish and Wildlife Service

(703) 358-2171

Wetland Inventory for the United States



## SSURGO

Detailed Soil Data Map

Natural Resources Conservation Service: U.S. Department of Agriculture  
(202) 690-4985

Detailed Soil Data Map

## STATSGO & MUI

General Soil Data Map

Natural Resources Conservation Service: U.S. Department of Agriculture  
(202) 690-4985

General Soil Data Map

## USGS GEOLOGIC AGE

USGS Digital Data Series DDS

Natural Resources Conservation Service: U.S. Department of Agriculture  
(202) 690-4985

USGS Digital Data Series DDS: Geologic Age and Rock Stratigraphic Unit

## OIL & GAS WELLS - WA

Oil and Gas Wells

Department of Natural Resources

360.902.1439

Oil and Gas well location

## RADON

National Radon Database

U.S. Environmental Protection Agency

215-814-2469

A study of the EPA/State Residential Radon Survey and the National Residential Radon Survey.

## RADON EPA

RADON EPA

U.S. Environmental Protection Agency

215-814-2469

EPA list of Radon zones

## AIRPORT FACILITIES

Airport landing facilities

Federal Aviation Administration

(866) 835-5322

Airport landing facilities

## BASINS

Better Assessment Science Integrating point & Non-point Sources

U.S. Environmental Protection Agency

855-246-3642

Integrated geographical information system national watershed data and environmental assessment known as Better Assessment Science Integrating point & Non-point Sources



## DIGITAL OBSTACLE

Obstacles of interest to aviation users

Federal Aviation Administration

855-379-6518

The Digital Obstacle File describes all known obstacles of interest to aviation users in the U.S. with limited coverage of the Pacific the Caribbean Canada and Mexico. The obstacles are assigned unique numerical identifiers; accuracy codes and listed in order of ascending latitude within each state or area by FAA Region.

## EPICENTERS

National Geographical Data Center

National Geographical Data Center

303-497-6826

List of recent and historic earthquakes and information.

## FLOOD DFIRM

National Flood Hazard Layer Database

Federal Emergency Management Agency

The National Flood Hazard Layer Database (NFHL) is a computer database that contains the flood hazard map information from FEMA's Flood Map Modernization program. These map data are from Digital Flood Insurance Rate Map (DFIRM) databases and Letters of Map Revision.



# Cleanup Site Details

Cleanup Site ID: 2673

<b>Cleanup Site ID:</b> 2673	<b>Facility/Site ID:</b> 24761	<b>UST ID:</b> N/A	<a href="#">Site Page</a>	<a href="#">Site Documents</a>	<a href="#">View Map</a>
<b>Cleanup Site Name:</b> LEES TRUCK REPAIR					<a href="#">Glossary</a>
<b>Alternate Names:</b> LEE'S TRUCK REPAIR, LEES TRUCK REPAIR					

## LOCATION

<b>Address:</b> 1520 CENTER RD			<b>City:</b> CHIMACUM	<b>Zip Code:</b> 98325	<b>County:</b> Jefferson
<b>Latitude:</b> 47.98525	<b>Longitude:</b> -122.77083	<b>WRIA:</b> 17	<b>Legislative District:</b> 24	<b>Congressional District:</b> 6	<b>TRS:</b> 29N 1W 23

## DETAIL

<b>Status:</b> Cleanup Started	<b>NFA Received?</b> No	<b>Is PSI site?</b> No
<b>Statute:</b> MTCA	<b>NFA Date:</b> N/A	<b>Current VCP?</b> No <b>Past VCP?</b> Yes
<b>Site Rank:</b> 1 - Highest Assessed Risk	<b>NFA Reason:</b> N/A	<b>Brownfield?</b> No
<b>Site Manager:</b> Southwest Region	<b>Responsible Unit:</b> Southwest	<b>Active Institutional Control?</b> No

## CLEANUP UNITS

Cleanup Unit Name	Unit Type	Unit Status	Resp Unit	Unit Manager	Current Process
LEES TRUCK REPAIR	Upland	Cleanup Started	SW	Southwest Region	No Process

## ACTIVE INSTITUTIONAL CONTROLS

Instrument Type	Restriction Media	Restrictions/Requirements	Date	Recording Number	Recording County	Tax Parcel
-----------------	-------------------	---------------------------	------	------------------	------------------	------------

There are no current Institutional Controls in effect for this site.

## AFFECTED MEDIA & CONTAMINANTS

MEDIA						
Contaminant	Soil	Groundwater	Surface Water	Sediment	Air	Bedrock
Petroleum Products-Unspecified	C	S				

**Key:**  
 B - Below Cleanup Level      C - Confirmed Above Cleanup Level      RA - Remediated-Above  
 S - Suspected                  R - Remediated                  RB - Remediated-Below

## SITE ACTIVITIES

Activity	Status	Start Date	End Date/ Completion Date
Initial Investigation / Federal Preliminary Assessment	Completed		5/5/2009
VCP Status Request	Completed	12/7/2011	1/9/2012
Site Hazard Assessment/Federal Site Inspection	Completed	5/15/2012	10/16/2012
Hazardous Sites Listing/NPL	Completed		10/16/2012



# Department of Ecology - Environmental Report Tracking System

ERTS # 606369

## Department of Ecology - Environmental Report Tracking System

### Initial Report

External Reference #

#### Caller Information

#### Where did it happen

First Last  
Name ANITA HICKLIN  
Business Name JEFFERSON COUNTY PUBLIC HEALTH  
Street Address 615 SHERIDAN STREET  
Other Address  
City PORT TOWNSEN State WA Zip  
E-mail AHICKLIN@CO.JEFFERSON.W Confidential\_FL ☐  
Phone Ext Type  
(360) 385-9405 Business

Berth Anchorage  
Location Name LEE'S TRUCK REPAIR  
Street Address 1520 CENTER RD  
Other Address  
City/Place CHIMACUM State WA Zip 98325  
County - Region JEFFERSON SWRO FS ID  
WIRA #  
Waterway Type  
Latitude Longitude  
Topo Quad 1:24:000 PORT TOWNSEND SOUTH  
Direction/Landmark (mile post, cross roads, township/range)

#### What happened

Spills Program Oil Spill? N

Incident Date Received Date 6/12/2008 8:35  
Medium SOIL  
Material PETROLEUM - OIL OTHER  
Quantity Unit  
Source COMMERCIAL  
Cause HUMAN FACTOR - INCOMPETENCE  
Incident Type  
Activity UNKNOWN  
Impact SOIL CONTAMINATION  
Vessel Name  
Hull Number

#### Primary Potentially Responsible Party Information

First Last  
Name LEE SHORT  
Business Name LEE'S TRUCK REPAIR  
Street Address 1520 CENTER RD  
Other Address  
City CHIMACUM State WA Zip  
Phone (360) 732-4781 Ext Type Business  
E-mail

#### Additional Contact Information

Name Phone Ext Type

#### More Information

-----Original Message-----  
From: SMTP@www.ecy.wa.gov [mailto:SMTP@www.ecy.wa.gov]  
Sent: Thursday, June 12, 2008 8:35 AM  
To: Smitherman, Opal (ECY); Mendez-Correa, Lorna (ECY); Baxter, Susan (ECY)  
Subject: Form results from http://www.ecy.wa.gov/programs/spills/forms/nerts\_online/SWRO\_nerts\_online.html

\*\*\*\*\*  
Caller\_First\_Name: Anita  
Caller\_Last\_Name: Hicklin  
Caller\_Business\_Name: Jefferson County Public Health  
Caller\_Street\_Address: 615 Sheridan Street  
Caller\_Address\_Other:  
Caller\_City: Port Townsend  
Caller\_State: WA  
Caller\_Zip: 98368  
Caller\_Homephone:  
Caller\_workphone: 360-385-9405  
Caller\_Email: ahicklin@co.jefferson.wa.us  
Caller\_Confidential: No  
Reported\_Incident\_Date: 04/23/08

Thursday, June 12, 2008

\*\*\* The Initial report contains only information provided to Ecology from the complainant.

Page 1 of 3



Department of Ecology - Environmental Report Tracking System

ERTS # 606369

Reported\_Medium: Unknown  
Reported\_Material: Unknown  
Reported\_Other\_Material:  
Reported\_Quantity:  
Reported\_Unit\_of\_Measure: Unknown  
Reported\_Source: Unknown  
Reported\_Cause: HUMAN FACTOR - INCOMPETENCE  
Reported\_Activity: Unknown  
Reported\_Impact: SOIL CONTAMINATION  
Reported\_Vessel\_Name:  
Reported\_Vessel\_Type: Unknown

Reported\_More\_Info: Lee's Truck Repair has several spots of darkened soil around the business. There are several buckets or other containers that are open to the environment. There are two used oil tanks that have the secondary containment with standing material. There are 55 gallon drums that are not labeled and improperly stored. There is a drain approximately 15 feet from the used storage tanks and it is unknown where the drain goes to. The drain has darkened soil around it.

Reported\_Incident\_NWROCounty: Jefferson  
Reported\_Incident\_City: Chimacum  
Incident\_Location\_Street\_Add: 1520 Center Road, Chimacum, WA 98325  
Reported\_Incident\_Waterway:  
Reported\_Waterway\_Type: Unknown  
Reported\_Directions:

Reported\_PRP\_First\_Name: Lee  
Reported\_PRP\_Last\_Name: Short  
Reported\_PRP\_Business: Lee Short  
Reported\_PRP\_Street\_Address: 1520 Center Road  
Reported\_PRP\_address2:  
Reported\_PRP\_City: Chimacum,  
Reported\_PRP\_State: WA  
Reported\_PRP\_Zip: 98325  
Reported\_PRP\_Phone: 360-732-4781  
Reported\_PRP\_Phone\_Type: BUSINESS

Reported\_PRP\_More\_Info2: The employee that was spoken on the day of the site visit stated that his boss knew it was 'a matter of time' before someone noticed their storage practices.

Submit\_Button: ☐ Submit

Entry Person SMITHERMAN, OPAL

Entry Date 6/12/2008



# INITIAL INVESTIGATION FIELD REPORT



ERTS Number: 606369

Parcel #: 901233009

COUNTY: Jefferson

## SITE INFORMATION

Site Name (e.g., Co. name over door): <b>Lee's Truck Repair</b>	Site Address (including City and Zip+4): 1520 Center Road Chimacum, WA 98325-9711	Site Phone: (360) 732-4781
Site Contact and Title: <b>Lee Short : Owner</b>	Site Contact Address (including City and Zip+4): 1520 Center Road Chimacum, WA 98325-9711	Site Contact Phone: (360) 732-4768
Site Owner: <b>Lee Short : Owner</b>	Site Owner Address (including City and Zip+4): 2081 West Valley Road Chimacum, WA 98325-9711	Site Owner Phone: (360) 732-4768
Site Owner Contact: <b>Roger Mayhew: Owner's Son</b>	Site Owner Contact Address (including City and Zip+4): 7313 155 <sup>th</sup> St. E. Puyallup, WA 98375	Owner Contact Phone: Cell: (253) 318-9644 (H) (360) 732-0081
Alternate Site Name(s):	Comments:	Is property > 10 acres? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Previous Site Owner(s):	Comments:	

Location: Quarter-Quarter: SW 1/4	Section: 23	Township: 29N	Range: 1W
Latitude: Degrees: 47	Minutes: 59	Seconds: 21.2928"	
Longitude: Degrees: 122	Minutes: 46	Seconds: 15.4992"	

## INSPECTION INFORMATION

Inspection Date: 1-20-09	Inspection Time: 14:30	Entry Notice: Announced <input type="checkbox"/> Unannounced <input checked="" type="checkbox"/>
Photographs Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Weather: Clear <input checked="" type="checkbox"/> Rain <input type="checkbox"/>	Temperature: 36 ° F
Samples Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wind Direction: none	Wind Speed:

## RECOMMENDATION

<b>No Further Action</b> (Indicate NFA in box below):	<b>LIST on ISIS</b> (Indicate in box below):
Release or threatened release does not pose a threat <input type="checkbox"/>	Site Hazard Assessment <input checked="" type="checkbox"/>
No release or threatened release <input type="checkbox"/>	Interim Action <input type="checkbox"/>
Educational mailing <input type="checkbox"/>	Emergency Action <input type="checkbox"/>
Refer to program/agency (Name: ) <input type="checkbox"/>	Independent Cleanup Action In progress <input type="checkbox"/>
Independent Cleanup Action Completed (i.e., contam, removed) <input type="checkbox"/>	Desires Voluntary Compliance Program <input checked="" type="checkbox"/>

**COMPLAINT** (Brief Summary of ERTS): On 4-23-2008 Anita Hicklin of Jefferson County Public Health visited the site as part of the Local Source Control Program. She noted several areas of darkened soil around the business, several buckets of auto fluids and other containers open to the environment, two oil tanks with secondary containment with standing material, 55 gallon drums that were unlabeled and improperly stored, and a drain approximately 15 feet from the oil storage tanks that has darkened soil around it. It is unknown where the drain goes. The employee on site that day reported to A. Hicklin that his employer knew it was "a matter of time" before someone noticed their storage practices. Photos were obtained at this visit by Ms. Hicklin. This was called in to Ecology on 6-12-08.

**SITE STATUS** (Brief Summary of site condition(s) after investigation): Some independent clean-up of oily auto parts, batteries, etc had occurred since the original site visit of 4-23-08. However, there remain several large issues including but not limited to: intentional and continuous use of secondary containment barriers around oil tanks as settling ponds to separate water from oil, effectively making them the primary containment; and a heavily contaminated storm drain system that drains directly to a wetland/flood plain area along a Salmon-bearing stream.

Investigator: Marjorie Boyd, Jefferson County Public Health	Date Submitted: February 19, 2009
---	-----------------------------------



## OBSERVATIONS

Description: Lee Short has operated Lee's Truck Repair business continuously at this site since 1975. The repair business is located on a relatively flat one acre parcel along the west side of Center Road that sits above a wetlands area, Chimacum Valley. Mr. Short's property is approximately 760 feet from Chimacum Creek, a type-2 salmon bearing stream that runs through the valley, and is approximately 300 feet from a class 5 stream that feeds Chimacum Creek. The land below the repair shop is a short grassy slope with some blackberry brambles that flattens out into Chimacum Valley, a wetlands and peat bog with standing water during the winter months. Chimacum Valley is also a wintering area for Trumpeter Swans, which various states list as a threatened or endangered species.

On January 20, 2009 Anita Hicklin of Jefferson County Public Health and I conducted an unannounced Initial Investigation site visit. Lee Short was not initially at the shop when we first arrived. As we prepared to leave, Mr. Short arrived. We spoke and Mr. Short was very cooperative, showing us the oil collection area, explaining how it works, and pointing out to us where he thought the drain for his storm water system came out below his property. Part way into the site visit, Mr. Short let his son Roger Mayhew continue the visit with us as he had a service call he needed to attend to. The visit was completed with Mr. Mayhew.

Mr. Short primarily repairs trucks and large equipment. Activities at the repair shop include all aspects of automotive repair including welding, metal grinding, and parting out vehicles. Mr. Short states Safety Kleen collects and disposes of his solvents and cleaners, Pettit collects 2-3 gallons of antifreeze a month, and Interstate collects his batteries. He disposes of all manner of oils by collecting the fluids in buckets and pouring them into one of two large metal storage tanks.

The tanks are under a metal roof open on three sides. There is a low poured-cement retaining wall for secondary containment. This has several inches of standing used oil in it. Mr. Short poked his finger into it to illustrate his assertion that "most of it is water, the oil is just on top." However, his finger appeared to only scoop oil. "I guess I didn't realize it was so deep." Mr. Short states he drains water out the bottom of the main oil storage tank into the containment area. Oil floats to the top. There he lets it sit until "it grows thick", and he manually scoops off the oil with a bucket. It then sits in a second container until he drains the remaining water out into the containment area, and the remaining oil sludge is "thrown on a brush fire or something." The oil remaining in the large tank is pumped into a smaller tank (on bare dirt, no secondary containment), then pumped from there into a larger tank, with secondary containment. From there the oil is pumped into the repair shop and used as heating oil. The second large oil holding tank's secondary containment has some standing used oil and water in it as well.

Next to the two holding tanks is a cement pad with a drain in it. There is a large, dark, apparently oily stained area that extends approximately fifteen feet up-gradient from the drain, and two feet down-gradient from the drain where it hits a grassy area. The grass appears to have an oily "high-tide" mark on it. Mr. Short explained that the drain and a second one further up the hill drain directly into a 6 inch pipe, then out into field below the shop. There are no screens or filters to prevent contaminants from being released onto the ground. Lee Short states this has been in place for 30 years. During the visit there was a large piece of machinery (backhoe?) draining both a tan-colored and red fluid from below it directly onto the cement pad. The fluids were flowing towards the drain.

Inspection of the rest of the site revealed an open five gallon plastic bucket filled with an oily substance. It was sitting in open air, no protection from the weather. Mr. Short poked his finger in the liquid and there was an ice layer on top of the oil layer. The site also had oily engines sitting directly on the ground, uncovered, numerous dark oily patches on the ground, unlabeled 50 gallon drums with corroded lids which Mr. Short stated contained oil, 5-gallon plastic buckets that appeared to have formerly held automotive fluids now in the brambles down the embankment from the shop, junk vehicle hulks, and an occupied travel trailer not hooked up to any septic with a 6-inch plastic pipe that appears to drain liquid down an embankment.

The last action of the site visit was to obtain a soil sample from the area where the storm water drain deposits its effluent. Mr. Mayhew was present for the sampling. The weather was somewhat cloudy, no wind, approximately 36 degrees Fahrenheit. The sample was obtained at 15:20 from 2-4 inches below ground surface level. There was a strong odor to the soil of diesel/oil that was noted by AH, MB, and Mr. Mayhew. The sample was placed in a sanitary 4 oz glass jar, sealed, and placed immediately in an iced cooler. We then left the site and drove back to JCPH where the sample was placed in a smaller cooler with ice, chain of custody form completed, and sample shipped at 16:30 by UPS to Analytical Resources Incorporated.

Description of past practices likely to be responsible for contamination: Improper handling and storage of used oil and other automotive fluids, improper storage of oily auto parts, and inadequate protection of storm-water drains from contamination with hazardous substances.



ACTIVITIES OR PRACTICES RESPONSIBLE FOR CONTAMINATION:							
Spill	<b>X</b>	LUST	<input type="checkbox"/>				
Pesticide disposal	<input type="checkbox"/>	Tank	<b>X</b>				
Landfill	<input type="checkbox"/>	Improper handling	<b>X</b>				
Drums	<input type="checkbox"/>	Improper disposal	<b>X</b>				
Other – Describe: Allowing oil to drain onto the ground and into a drain that deposits effluent directly onto a wetlands area.							
Are discharges permitted (if yes, describe):    No <b>X</b> Yes <input type="checkbox"/>				Standard Industrial Code(s)			

### CONTAMINANT(S)

AFFECTED MEDIA	CONTAMINANTS (#1-16: See contaminants key) Enter letter designating status of contaminant: C = Confirmed (above cleanup levels); S = Suspected; R = Remediated															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Ground Water							S									
Surface Water							S									
Drinking Water																
Soil							C									
Sediment																
Air																
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;">1 Base/neutral organics</div> <div style="width: 33%;">7 Petroleum products</div> <div style="width: 33%;">13 Corrosive wastes</div> <div style="width: 33%;">2 Halogenated organic compounds</div> <div style="width: 33%;">8 Phenolic compounds</div> <div style="width: 33%;">14 Radioactive wastes</div> <div style="width: 33%;">3 Metals - Priority pollutants</div> <div style="width: 33%;">9 Non-halogenated solvents</div> <div style="width: 33%;">15 Conventional contaminants, organic</div> <div style="width: 33%;">4 Metals - Other</div> <div style="width: 33%;">10 Dioxin</div> <div style="width: 33%;">16 Conventional contaminants, inorganic</div> <div style="width: 33%;">5 Polychlorinated biPhenyls (PCBs)</div> <div style="width: 33%;">11 Polynuclear aromatic hydrocarbons (PAHs)</div> <div style="width: 33%;">6 Pesticides</div> <div style="width: 33%;">12 Reactive wastes</div> </div>																

### SITE INFORMATION

Soil type: Gravelly sandy loam on main part of site as well as short band of slope above valley floor.		Slope 3%
Valley below is "Semiahoo Muck" of 15" above a peat layer to 54".		
Site vegetation/cover present:		<input type="checkbox"/>
Forest	<input type="checkbox"/>	<input type="checkbox"/>
Bare soil	<b>X</b>	<b>X</b>
Brush	<input type="checkbox"/>	<input type="checkbox"/>
Landscaped	<input type="checkbox"/>	
Other – Describe: <u>Below site</u> is field and flood plain, wetlands, peat bog with year-round stream		

Are there any drinking water systems affected?		<b>X Maybe</b>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Municipal, <u>private</u> , or both? (Circle one)				
How many people are estimated to be affected? 67 domestic wells x 3= <u>201</u>				
Is there a potential for a release or threatened release to affect a drinking water source?		<b>X Yes</b>	<input type="checkbox"/> No	
Are there monitoring wells in the vicinity?		<input type="checkbox"/> Yes	<b>X No</b>	
Are there dry wells in the vicinity?		<input type="checkbox"/> Yes	<b>X No</b>	



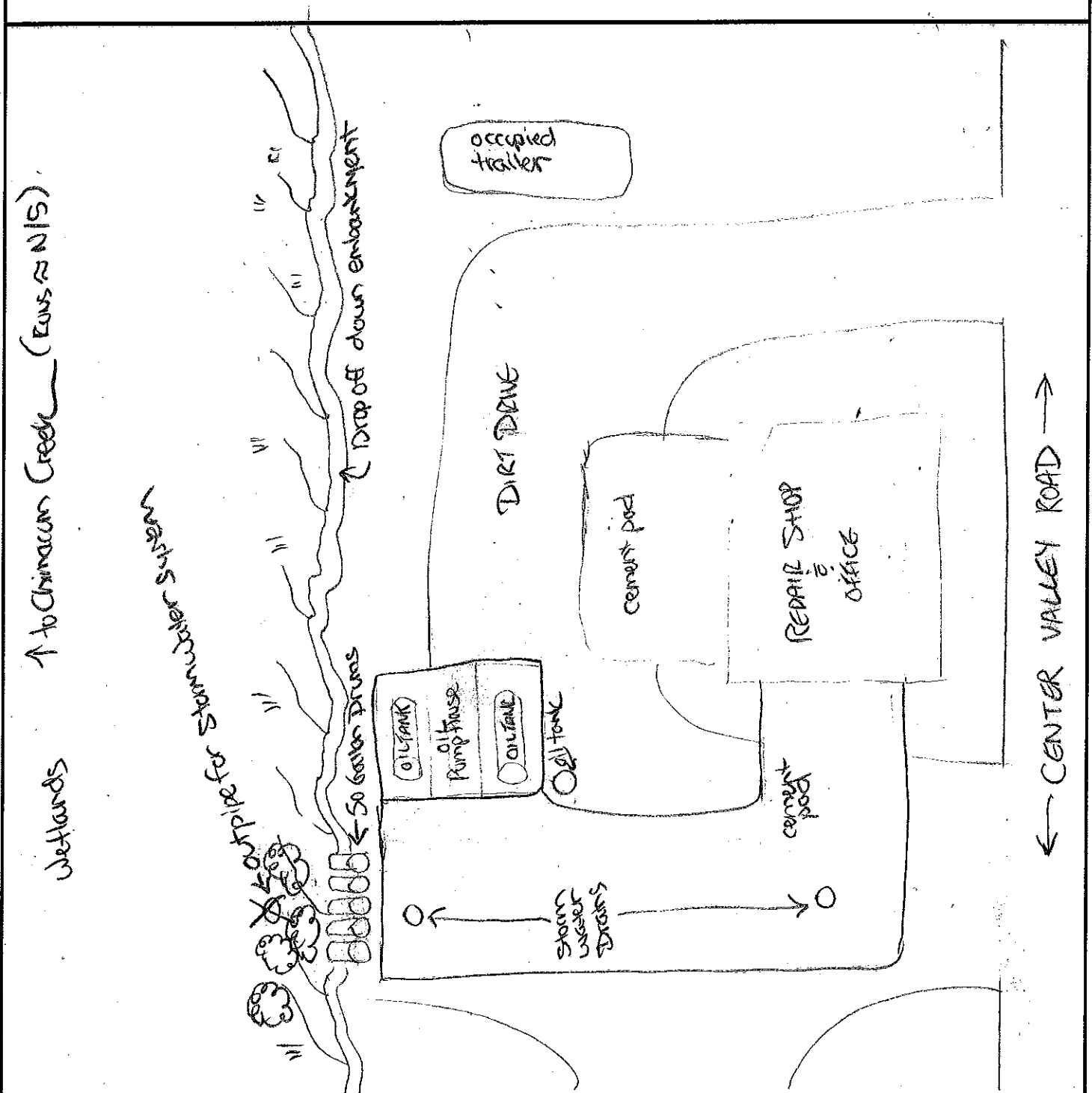
1

	Ingestion	Inhalation	Contact
Ground Water			X
Surface Water	X		X
Drinking Water	<u>X</u>		
Soil			X
Sediment			
Air			
Targets possible:		Residential	X
Human, adult	X	Industrial	<input type="checkbox"/>
Human, children	X	Commercial	X (salmon, ag. irrigation, food crops, cattle, hay,)
Sensitive environments (See WARM Scoring Manual for definition): X Yes <input type="checkbox"/> No   If yes, describe: The area down-gradient from the site, where the storm water drain deposits its effluent, is a wetlands area that has standing water for much of the winter and Chimacum Creek, a class 2 salmon-bearing stream, runs through it. The repair shop is 760 feet from Chimacum Creek, and is approximately 300 feet from a class 5 stream that feeds Chimacum Creek. This section of Chimacum Valley is also a wintering site for Trumpeter Swans which several states list as an endangered or threatened species.			
General Comments:			



# SITE MAP/DIAGRAM

Site Name: Lee's Truck Repair



↑  
North

Approximate scale: \_\_\_\_\_ inch = \_\_\_\_\_ feet

ERTS Number: 606369

County: Jefferson

Inspector: Marjorie Boyd, Jefferson County Public Health

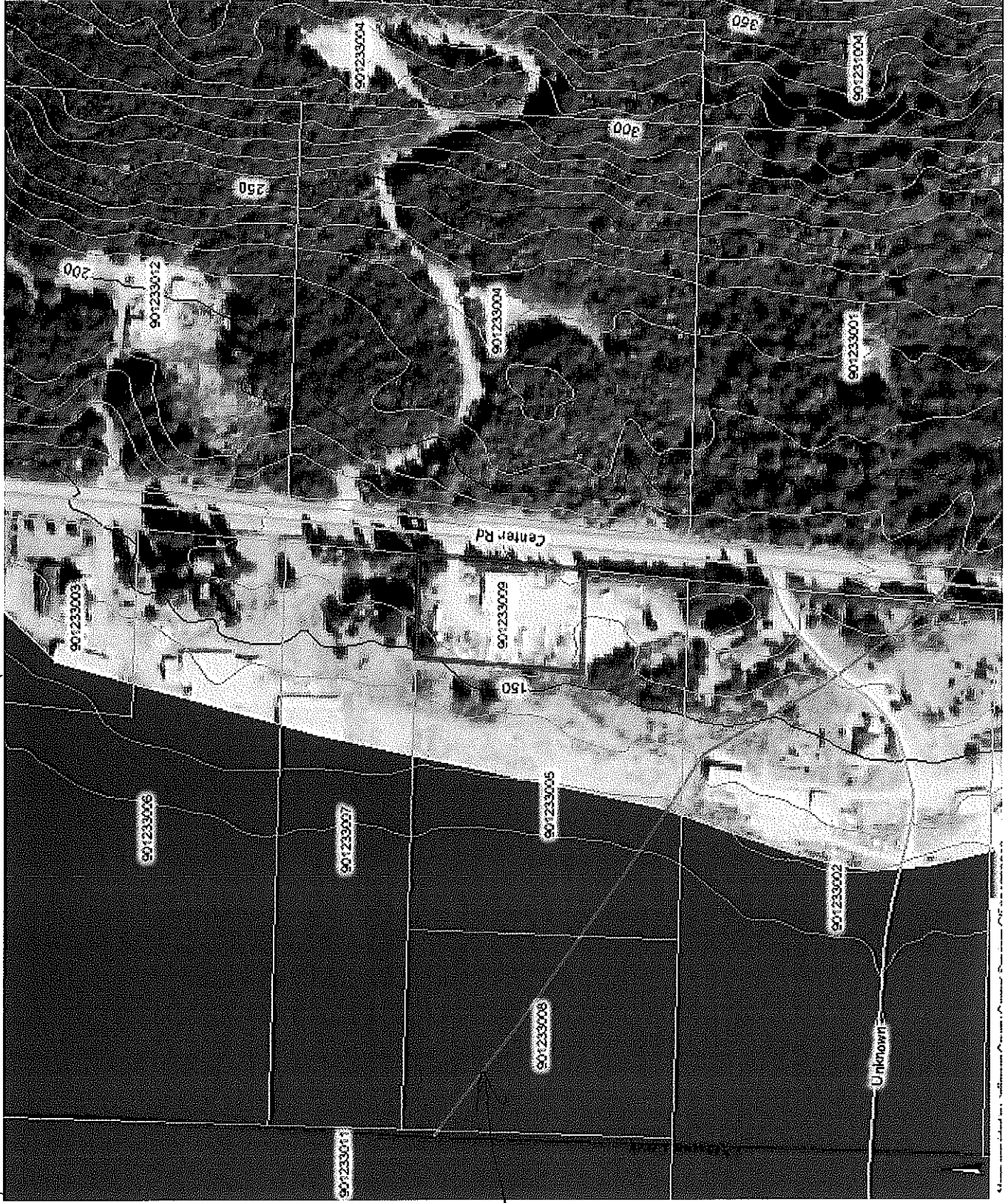
Date: 2-19-09







Chimacum Creek, Class 2 Stream  
Wetlands



Class 5 Stream









**Analytical Resources, Incorporated**  
Analytical Chemists and Consultants

February 2, 2009

Marjorie Boyd  
Environmental Health Specialist  
Jefferson County Public Health  
615 Sheridan Street  
Port Townsend, WA 98368

**RE: Client Project: Lee Short Truck Repair**  
**ARI Job No. OJ05**

Dear Ms. Boyd:


Please find enclosed the original chain of custody documentation and final data report for samples from the project referenced above.

One sample was received in good condition on January 21, 2008. The sample was analyzed for NWTPH-Dx as requested on the COC. Analyses met all requirements for laboratory QC. Following guidance from WA Ecology, copies of the fuels chromatograms have been included in this report for your review.

An electronic copy of this report and all raw data will remain on file with ARI. Should you have any questions or problems, please feel free to contact me at your convenience.

Sincerely,

ANALYTICAL RESOURCES, INC.

  
Susan Dunnihoo  
Director, Client Services  
sue@arilabs.com  
206-695-6207

Enclosures

cc: eFileRef OJ05

SD/sdrd

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Environmental Health



# Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number: <b>0105</b>		Turn-around Requested:		Page: <b>1</b> of <b>1</b>	
ARI Client Company: <b>Jefferson County Public Health</b>		Phone: <b>360-385-4444</b>		Date: <b>1-20-09</b>	
Client Contact: <b>Marijane Boyd</b>		Client Project Name: <b>LET SWOT Tissue Repair</b>		Ice Present? <b>1</b>	
Client Project #: <b>LET SWOT Tissue Repair</b>		Sample ID: <b>CS-1</b>		No. of Coolers: <b>1</b>	
Date: <b>1-20-09</b>		Time: <b>15:20</b>		Cooler Temps: <b>TRNDX</b>	
Matrix: <b>TRNDX</b>		No. Containers: <b>1</b>		Analysis Requested	
Date & Time: <b>1/20/09 4:00pm</b>		Date & Time: <b>1/21/09 11:20</b>		Notes/Comments	
Relinquished by: <b>Marijane Boyd</b>		Received by: <b>Jonathan Walters</b>		Relinquished by: <b>Jonathan Walters</b>	
Printed Name: <b>Marijane Boyd</b>		Printed Name: <b>Jonathan Walters</b>		Printed Name: <b>Jonathan Walters</b>	
Company: <b>Jefferson County Public Health</b>		Company: <b>ARI</b>		Company: <b>ARI</b>	
Date & Time: <b>1/20/09 4:00pm</b>		Date & Time: <b>1/21/09 11:20</b>		Date & Time: <b>1/21/09 11:20</b>	
Comments/Special Instructions					



Analytical Resources, Incorporated  
Analytical Chemists and Consultants  
4611 South 134th Place, Suite 100  
Tukwila, WA 98168  
206-695-6200 206-695-6201 (fax)

**Limits of Liability:** ARI will perform all requested services in accordance with appropriate methodology following ARI Standard Operating Procedures and the ARI Quality Assurance Program. This program meets standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the invoiced amount for said services. The acceptance by the client of a proposal for services by ARI release ARI from any liability in excess thereof, not withstanding any provision to the contrary in any contract, purchase order or co-signed agreement between ARI and the Client.

**Sample Retention Policy:** All samples submitted to ARI will be appropriately discarded no sooner than 90 days after receipt or 60 days after submission of hardcopy data, whichever is longer, unless alternate retention schedules have been established by work-order or contract.





Analytical Resources, Incorporated  
Analytical Chemists and Consultants

# Cooler Receipt Form

ARI Client: Jefferson County Public Health

Project Name: \_\_\_\_\_

COC No: \_\_\_\_\_

Delivered by: UPS

Assigned ARI Job No: 0505

Tracking No: \_\_\_\_\_

## Preliminary Examination Phase:

Were intact, properly signed and dated custody seals attached to the outside of to cooler? YES ☒ NO ☐  
Were custody papers included with the cooler? ☒ YES NO ☐  
Were custody papers properly filled out (ink, signed, etc.) ☒ YES NO ☐  
Record cooler temperature (recommended 2.0-6.0 °C for chemistry) 4.2 °C

Cooler Accepted by: Wm Date: 11/21/09 Time: 1120

**Complete custody forms and attach all shipping documents**

## Log-In Phase:

Was a temperature blank included in the cooler? ☒ YES ☐ NO BW  
What kind of packing material was used? \_\_\_\_\_  
Was sufficient ice used (if appropriate)? ☒ YES NO ☐  
Were all bottles sealed in individual plastic bags? ☒ YES NO ☐  
Did all bottle arrive in good condition (unbroken)? ☒ YES NO ☐  
Were all bottle labels complete and legible? ☒ YES NO ☐  
Did all bottle labels and tags agree with custody papers? ☒ YES NO ☐  
Were all bottles used correct for the requested analyses? ☒ YES NO ☐  
Do any of the analyses (bottles) require preservation? (attach preservation checklist) YES ☒ NO ☐  
Were all VOC vials free of air bubbles? NA ☒ YES NO ☐  
Was sufficient amount of sample sent in each bottle? ☒ YES NO ☐

Samples Logged by: Wm Date: 11/21/09 Time: 1215

**\*\* Notify Project Manager of discrepancies or concerns \*\***

Explain discrepancies or negative responses:

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Jefferson County  
Environmental Health

By: \_\_\_\_\_


Date: \_\_\_\_\_



ORGANICS ANALYSIS DATA SHEET  
TOTAL DIESEL RANGE HYDROCARBONS  
NWTPHD by GC/FID  
Page 1 of 1  
Matrix: Soil

QC Report No: OJ05-Jefferson Cty Public Health  
Project: LEE SHORT TRUCK REPAIR

Date Received: 01/21/09

Data Release Authorized:   
Reported: 01/29/09

ARI ID	Sample ID	Extraction Date	Analysis Date	EFV DL	Range	RL	Result
MB-012409	Method Blank	01/24/09	01/28/09	1.00	Diesel	5.0	< 5.0 U
09-2193	HC ID: ---		FID3A	1.0	Motor Oil o-Terphenyl	10	< 10 U 82.7%
OJ05A	LS-1	01/24/09	01/28/09	1.00	Diesel	740	8,500
09-2193	HC ID: DRO/MOTOR OIL		FID3A	100	Motor Oil o-Terphenyl	1,500	37,000 D

Reported in mg/kg (ppm)

EFV-Effective Final Volume in mL.

DL-Dilution of extract prior to analysis.

RL-Reporting limit.

Diesel quantitation on total peaks in the range from C12 to C24.

Motor Oil quantitation on total peaks in the range from C24 to C38.

HC ID: DRO/RRO indicates results of organics or additional hydrocarbons in ranges are not identifiable.

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Environmental Health



TPHD SURROGATE RECOVERY SUMMARY

Matrix: Soil

QC Report No: OJ05-Jefferson Cty Public Health  
Project: LEE SHORT TRUCK REPAIR

<u>Client ID</u>	<u>OTER</u>	<u>TOT OUT</u>
012409MBS	82.7%	0
012409LCS	91.1%	0
LS-1	D	0

	<u>LCS/MB LIMITS</u>	<u>QC LIMITS</u>
(OTER) = o-Terphenyl	(52-121)	(48-119)

Prep Method: SW3546  
Log Number Range: 09-2193 to 09-2193

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## ORGANICS ANALYSIS DATA SHEET

NWTPHD by GC/FID

Page 1 of 1


Sample ID: LCS-012409

LAB CONTROL

Lab Sample ID: LCS-012409

LIMS ID: 09-2193

Matrix: Soil

Data Release Authorized: 

Reported: 01/29/09

QC Report No: OJ05-Jefferson Cty Public Health

Project: LEE SHORT TRUCK REPAIR

Date Sampled: NA

Date Received: NA

Date Extracted: 01/24/09

Date Analyzed: 01/28/09 21:49

Instrument/Analyst: FID3A/PKC

Sample Amount: 10.0 g

Final Extract Volume: 1.0 mL

Dilution Factor: 1.00

Range	Lab Control	Spike Added	Recovery
Diesel	126	150	84.0%

## TPHD Surrogate Recovery

o-Terphenyl	91.1%
-------------	-------

Results reported in mg/kg

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Environmental Health



TOTAL DIESEL RANGE HYDROCARBONS-EXTRACTION REPORT

Matrix: Soil

Date Received: 01/21/09

ARI Job: OJ05

Project: LEE SHORT TRUCK REPAIR

ARI ID	Client ID	Client Amt	Final Vol	Basis	Prep Date
09-2193-012409MB1	Method Blank	10.0 g	1.00 mL	-	01/24/09
09-2193-012409LCS1	Lab Control	10.0 g	1.00 mL	-	01/24/09
09-2193-OJ05A	LS-1	6.71 g	1.00 mL	D	01/24/09

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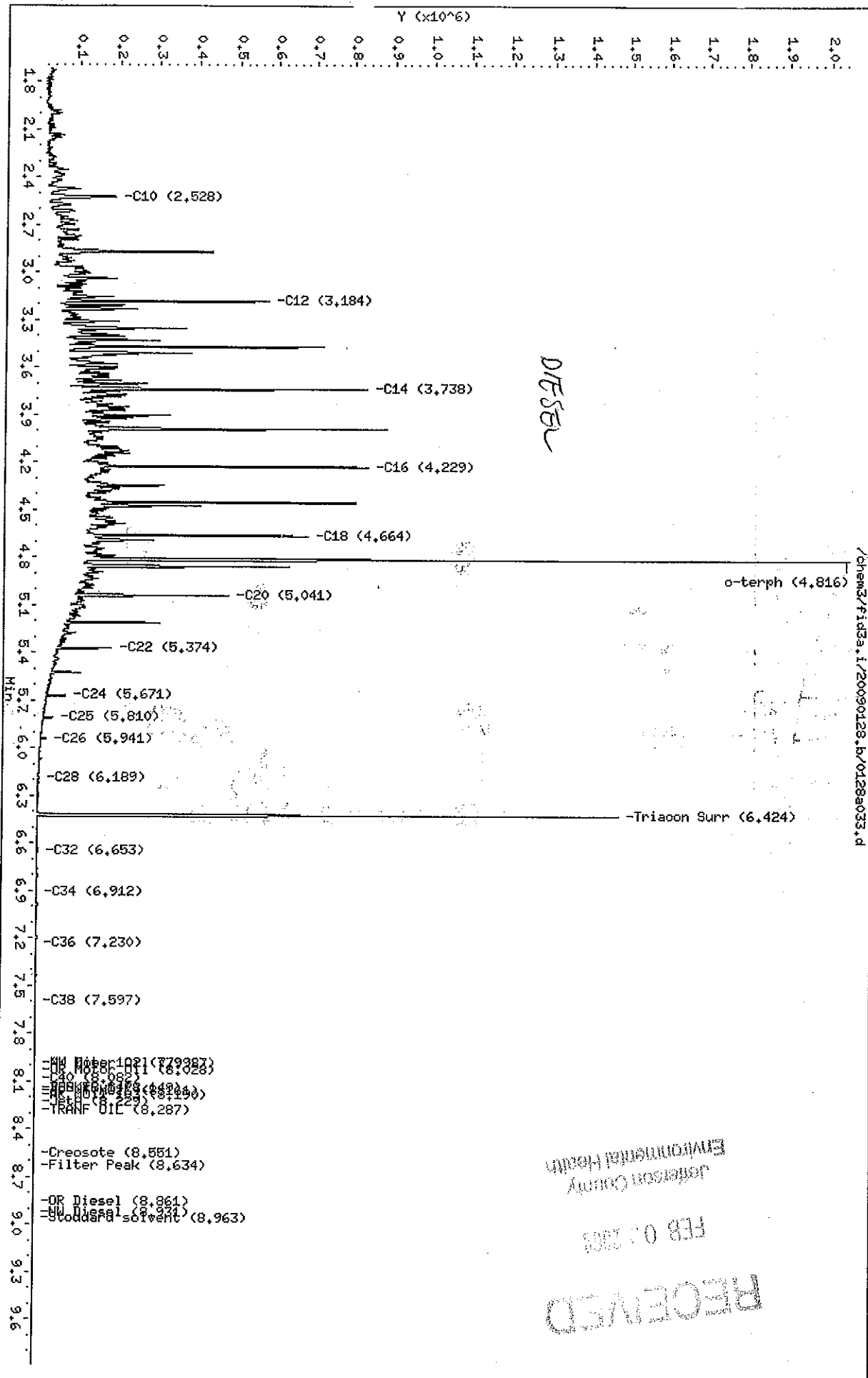
Basis: D=Dry Weight W=As Received  
Diesel Extraction Report



Data File: /chem3/fid3a.i/20090128.b/0128a033.d  
 Date: 28-JAN-2009 21:49  
 Client ID: 0306LCSS4  
 Sample Info: 0306LCSS4

Column phase: ZB1-HT

Instrument: fid3a.i  
 Operator: ms  
 Column diameter: 0.25



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FEB 03 2009

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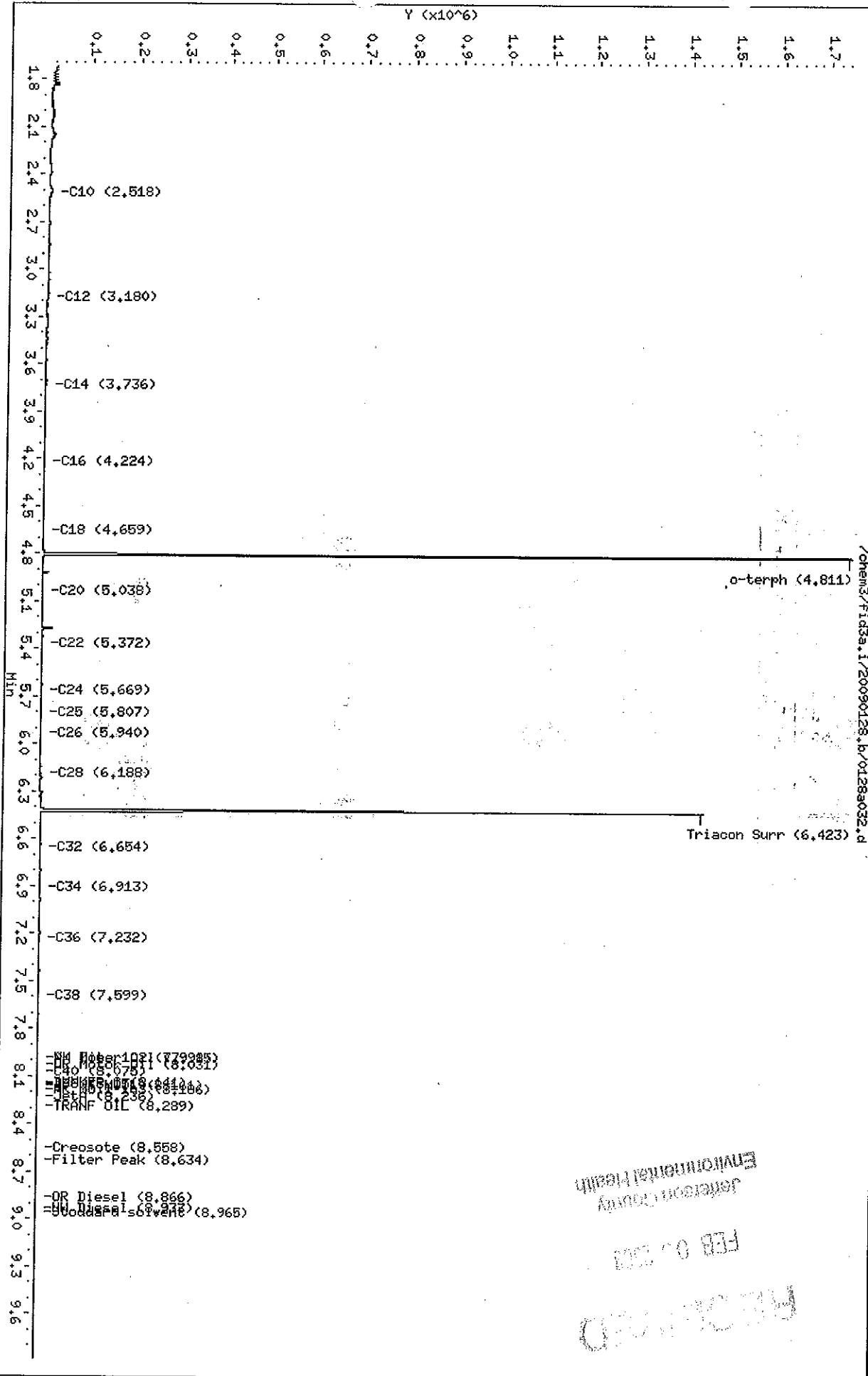


Data File: /chem3/fid3a.i/20090128.b/0128a032.d  
Date: 28-JAN-2009 21:30  
Client ID: 0J05HBS1  
Sample Info: 0J05HBS1

Column Phase: ZBL-HT

Instrument: fid3a.i

Operator: ms  
Column diameter: 0.25





Data File: /chem3/fid3a.i/20090128.b/v0128a034.d

Date: 28-JAN-2009 22:07

Client ID: LS-1

Sample Info: 0J05A,100

Column phase: ZBL-HT

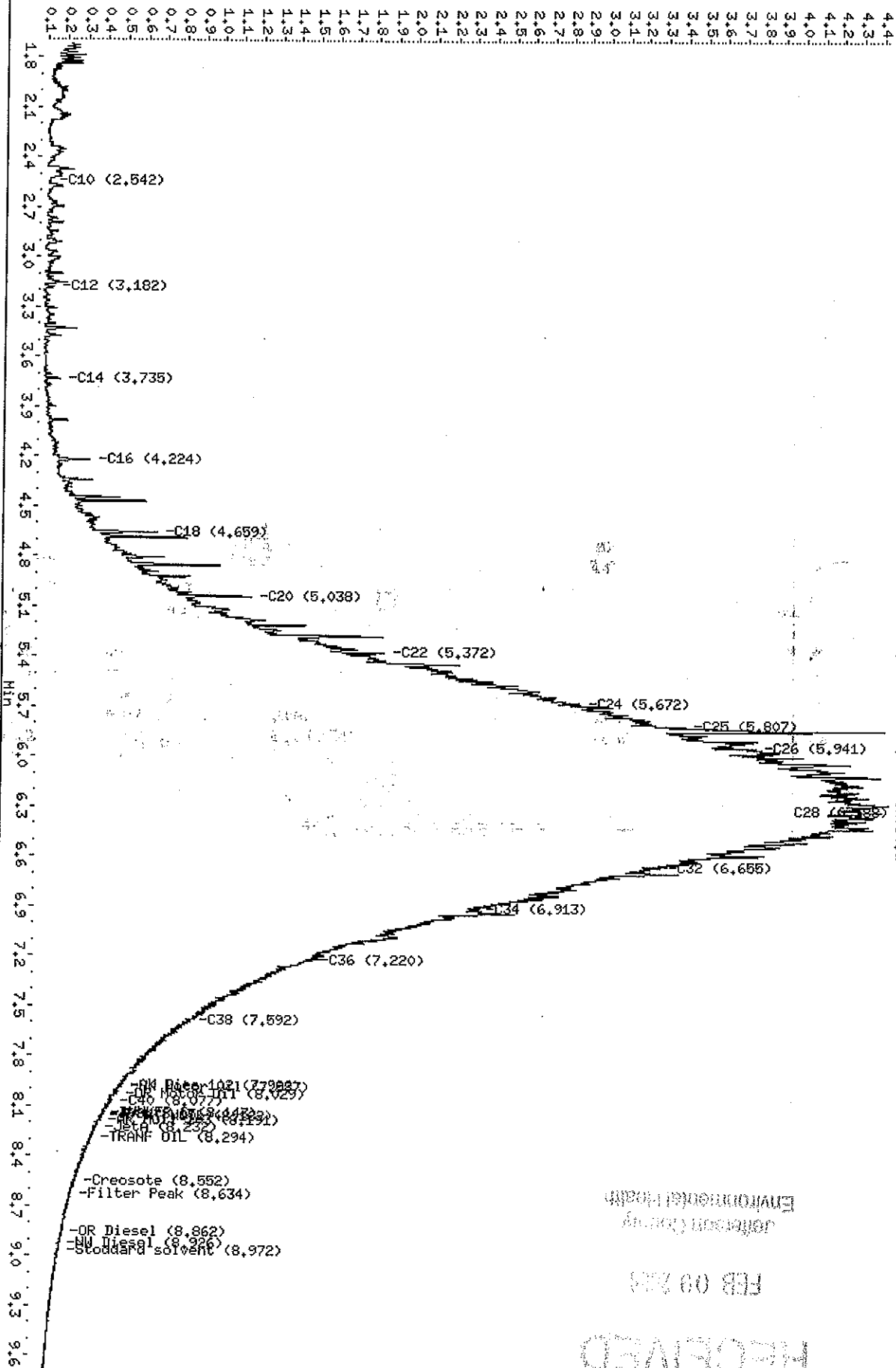
Instrument: fid3a.i

Operator: ms

Column diameter: 0.25

/chem3/fid3a.i/20090128.b/v0128a034.d

Y (x10<sup>5</sup>)



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FEB 09 2009  
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# JEFFERSON COUNTY PUBLIC HEALTH

615 Sheridan Street • Port Townsend • Washington • 98368  
[www.jeffersoncountypublichealth.org](http://www.jeffersoncountypublichealth.org)

---

February 20, 2009

Mr. Lee Short  
1520 Center Road  
Chimacum, WA 98325

Reference: Initial Investigation of Potential Soil Contamination  
Parcel Number: 901233009  
ERTS #: 606369

Dear Mr. Short,

This letter is to follow up my site visit of January 20, 2009. As I explained during our visit, part of the investigation process is to obtain soil and or water samples to determine if contamination exists, and, if it does, is it to the extent that clean-up needs to be done. What determines the legal need for clean-up is the Model Toxics Control Act (MCTA), federal legislation that sets levels for different contaminants below which clean-up may be optional, above which clean-up is mandatory.

During the January 20<sup>th</sup> site visit, only one soil sample was obtained. Sampling during an Initial Investigation is not meant to be comprehensive, or to determine every contaminant that may be present, or how far it may extend. It is just to see if there is something that warrants further investigation or action.

The one soil sample was taken from below where the storm-water drain empties out into the field below your oil recycling area. The top two inches of soil were scraped away, to make sure there was not just some surface contamination. The sample sent to the lab was taken from below two inches below ground surface level. The sample was then mailed to an Ecology-certified lab and tested for hydrocarbons, the most likely contaminant.

The MCTA level for diesel is 2000 mg/kg. The sample shows 8,5000 mg/kg.  
The MCTA level for motor oil is 2000 mg/kg. The sample shows 37,000 mg/kg.

---

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DEVELOPMENTAL DISABILITIES  
MAIN: 360-385-9400  
FAX: 360-385-9401

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This means the diesel contamination in the soil tested is four times greater than the federally mandated clean-up level, and the motor oil is fifteen times greater than the mandated clean-up level.

The next step is to figure out the scope and extent of what needs to be cleaned-up. There may be other contaminants present that we did not test for, and it is not known how far the contamination extends.

I spoke with your son Roger by phone when I called to give you the results. He indicated that you are interested in the Voluntary Clean-up Program through Ecology. In this program, property owners consult with Ecology about what needs to be cleaned-up, and how. The property owners then do the clean-up themselves, saving themselves money and avoiding becoming a listed hazardous waste site.

Information about the program and all the necessary forms is available on the internet, but as Roger says he and you are not comfortable with computers, I am sending along the forms you will need. I would also suggest you speak directly with Scott Rose, coordinator of Ecology's Voluntary Clean-up Program. His telephone number is (360) 407-6347. He is very nice and very helpful. Other Jefferson County businesses have gone through this program, including Bill's Garage at the Chimacum intersection.

In summary, there is contamination that needs to be cleaned up. It is unclear if there are other contaminants or how far the contamination extends. The next step for you, if you are interested in doing the clean-up yourself (or hiring your own contractor), is for you to contact Scott Rose at Ecology and complete the forms to enter the VCP. They will likely have you hire a company to do further testing to see if there are other contaminants, other areas that need to be cleaned-up, and to determine how much of the area below the drain pipe needs to be excavated and how deep.

In the meantime, further contamination must be prevented. This includes the measures outlined in my letter of 1-29-09.

The issue of the occupied trailer with no septic and the solid waste accumulated around it, is a separate matter and was addressed in the Notice and Order to Correct Violation (NOCV) letter of February 2, 2009.



The Initial Investigation report has been forwarded to Ecology. They will send you a letter explaining your options as well. If you have any questions, you may call me at 379-4480. This is my direct line.

Thank you for your cooperation and prompt attention to this matter.

Sincerely,

Marjorie Boyd  
Environmental Health Specialist  
Jefferson County Public Health

Cc: Roger Mayhew  
File









# JEFFERSON COUNTY PUBLIC HEALTH

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[www.jeffersoncountypublichealth.org](http://www.jeffersoncountypublichealth.org)

---

January 29, 2009

Mr. Lee Short  
1520 Center Road  
Chimacum, WA 98325

Regarding: Site visit of January 20, 2009

Dear Mr. Short,

This letter is to follow up my site visit of January 20, 2009. First, thank you very much for taking time out from your work day to speak with Anita Hicklin and me. I know you still had a service call to make, so we finished up the visit with your son Roger. We were running late so I did not get a chance to say goodbye and let you know what the next steps are and I hope to do that now with this letter.

As I explained during the visit, when Washington State Department of Ecology (Ecology) receives a complaint (e.g. about oil contamination or the improper handling of hazardous materials such as automotive fluids), these are referred to the local health department for investigation. This is called an Initial Investigation. It involves speaking with the owner and other people with knowledge of what is happening at the site, a site visit, obtaining photographs, and gathering soil and/or water samples to help evaluate if there is the need to investigate further, or if the complaint can be closed.

After finishing the tour of the property with Roger, I would say there are several areas of concern:

1. The two storm water drains that appear to be dispersing contaminated water out into the wetlands below your shop.
2. The use of the secondary containment barriers around your recycled oil tanks as a settling pool for oil/water, thus making them the primary containment system.
3. Open containers and improperly stored containers of waste oil.
4. Multiple areas of contaminated soil that appear due to improper handling of waste oil, transmission fluid, etc.
5. The occupied travel trailer that has a sewer pipe draining directly onto the ground and the solid waste that is piled up around the trailer.

---

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DEVELOPMENTAL DISABILITIES  
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FAX: 360-385-9401

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There are some relatively easy and inexpensive things that can and should be done immediately to address most of the issues. The possible soil contamination from the storm drains would likely be more involved.

#### **1. Storm drains**

- a. Care must be taken immediately to make sure no contaminants continue to enter the storm drains
- b. Oil-absorbent booms should be placed around the drain opening next to the oil recycling tanks to prevent the entrance of contaminants. An oil absorbent pad should be placed in/around the drain opening nearest the shop (a boom might not be feasible in this location). The absorbent booms/pads should be replaced frequently. This should be maintained until a different system is in place. You will need to speak with Ecology about what systems are acceptable.
- c. Oil, hydraulic fluid, anti-freeze and other automotive fluids must not be allowed to drain onto the ground.

#### **2. Secondary containment areas for oil tanks**

- a. All fluids must be removed from the secondary containment areas for the oil tanks. These areas are for emergency containment and must be kept empty of oil and water. If you desire to drain off water from the bottom of tanks, this can be done into a smaller container.
- b. If rain blowing in is a problem, you may want to consider additional rain protection for the tank shelter areas.

#### **3. Open containers**

- a. Automotive fluids must not be stored or allowed to sit in open containers. Materials must be stored in closed containers with tightly fastened lids.

#### **4. Spills and contaminated soil**

- a. If spills occur, they must be cleaned up immediately. Businesses should have appropriate absorbent equipment on hand to respond to spills quickly. All employees should know where the spill response materials are kept and how to use them.
- b. Contaminated soil and clean-up materials must be disposed of properly. Sludge oil must not be used to throw on brush fires. This is illegal. Petit may dispose of this for you.
- c. Contaminated soil can be taken to:

##### **Petroleum Reclaiming Services in Fife**

Jay Johnson (253) 383-4175 is the main contact.

PLEASE give a courtesy call first so Jay can speak with you and make arrangements. Accepted materials include contaminated soil, rags, PPE, booms, etc. There are very specific rules for transporting materials. Jay will explain these.



- d. Oily engines and parts should not be stored directly on soil. They need to be protected from the weather (so rain does not wash oil onto the ground) and stored on an impermeable surface to keep oil and other fluids from contaminating the ground.

**5. Septic and solid waste violations**

- a. The trailer next to your shop must immediately be vacated until it is hooked up to a legal septic system. It is not sufficient that the occupant(s) use the facilities inside your shop.
- b. The septic pipe draining from the trailer to the ground must be disconnected. No graywater or septage can be discharged onto the ground.
- c. The junk vehicles, piles of parts and scrap metal, garbage, cans and recycling, and discarded commodities surrounding the trailer must be cleaned up and disposed of properly.
- d. I will send you a separate letter concerning the above septic and solid waste violations that includes definitions and the parts of the law that are pertinent. It will give a thirty day deadline for compliance. A copy will be sent to your son Scott as well. Both the tenant and landowner are legally responsible for the proper disposal of septic and solid waste.

When the results from the soil sample taken 1-20-09 are known, I will mail you a copy and then we can discuss what the next steps are. In general, if the soil shows contamination above a certain level (Model Toxics Control Act- MCTA levels) then the next step would be to decide whether you want to clean the property up yourself or have Ecology do it.

It is much less expensive for property owners to clean up themselves or even to hire a company themselves. If you want to handle the clean-up, then you would contact Ecology and enter the Voluntary Clean-up Program (VCP). They would discuss with you what needs to be cleaned up and how. Usually they have you hire an independent company to test soil and water to determine the area that needs to be cleaned-up. Then they would develop a plan with you for your property.

If you do not enter the VCP, then a Site Hazard Assessment (SHA) will be performed. An SHA is a more detailed investigation than the Initial Investigation, and the contamination is evaluated for how much it is likely to impact human health and the environment. A site is then ranked, relative to other known sites in the state, on a scale of 1 to 5. (1 being the worst, 5 the least). Sites remain on the state's "Confirmed or Suspected Contaminated Sites List" until the site is cleaned-up by Ecology or the Property owner.



If the soil sample from 1-20-09 comes back below MCTA, then we can discuss ways to keep further contamination from occurring. I will go through this with you again when the results are known, I just wanted to give you an idea of what to expect.

In the meantime, you need to address issues 1-5 above.

If you have any questions, please do not hesitate to call me. My direct telephone number is 379-4480. If you need junk vehicle affidavits, I can provide those as well.

Thank you very much for your cooperation.

Sincerely,

Marjorie Boyd  
Environmental Health Specialist  
Jefferson County Public Health

Cc: Roger Mayhew  
File



# SITE HAZARD ASSESSMENT

## WORKSHEET 1

### Summary Score Sheet

#### **SITE INFORMATION:**

##### **Site Name: Lee's Truck Repair**

Address: 1520 Center Road, Chimacum, WA. 98325

Ecology Facility Site ID No.: 24761

Section/Township/Range: SW ¼ Section 23, Township 29N, R 1W

Latitude: 47.98888 Longitude: -122.77108

ERTS #: 606369

Jefferson County Parcel #: 901233009, 901233005

*Site scored/ranked for the February 2013 update*

OCTOBER 15, 2012

#### **SITE DESCRIPTION:**

The site came to the attention of Jefferson County Public Health (JCPH) during a Local Source Control visit in April, 2008. An ERTS was called in to Washington State Department of Ecology. An initial Investigation was completed in February, 2009.

Lee's Truck Repair has operated continuously at this site since 1975. The repair business is located on a relatively flat, approximately one acre parcel along the west side of Center Road, that sits above Chimacum Valley. Lee Short's parcel is the northeast corner of a larger 5 acre parcel belonging to the Short Family's Valley View N&L Family Trust. Mr. Short's property is approximately 760 feet and up-gradient from Chimacum Creek (a type-2 salmon bearing stream that runs through the valley), and is approximately 300 feet from a class 5 stream that feeds Chimacum Creek. The land below the repair shop is a thin strip of grassy slope with some blackberry brambles. This is roughly the property boundary between Lee Short's property and the Family Trust. The slope then flattens out into Chimacum Valley, a wetlands and peat bog which routinely floods for most of the winter months. Chimacum Valley is also a wintering area for Trumpeter Swans, which various states list as a threatened or endangered species. The potable water well serving the farm and shop is approximately 1700 feet away in the valley, down-gradient from the site.

The property has three different soil types. The flat pad of land below the road, where the shop, tanks, etc. are located is gravelly sandy fill dirt. Below it the native soil is Kitsap series, a gravelly loam to about 30". Runoff for Kitsap series is medium to rapid. The thin band of bank below the pad is fill on top of Everett Series soil, somewhat excessively drained, gravelly sandy loam. This is where the stormwater outfall deposits water. The land below this, Chimacum valley bottom land, is Semiahmoo Muck. It is very poorly drained soil; the upper five feet of this soil tends to be muck, and below this is mucky peat. Runoff is very slow or ponded, and seasonal water table is generally 0 to 1 foot.

Structures on the site consist of a large, approximately 60'x75' two-bay shop and office with a cement floor. There are no floor drains in the shop. The shop is surrounded on three sides by a U-shaped gravel/dirt driveway. There are three exterior cement pads, two of which have stormwater drains: one in



front of the shop's south bay doors (40'x40'), the second (about 15'x40') is down-gradient from the first, next to an open-sided, metal-roofed structure (approximately 10'x30') that houses two metal tanks storing used oil (one 1000 gallon and one 2000 gallon). A third 30'x30' cement pad is outside the shop's western door. It does not have a stormwater drain.

According to Mr. Short, until recently the storm drains have not had any treatment system and for over thirty years liquids collected by the system were deposited directly to the grassy slope below the shop. Sometime after February 2009, Mr. Short installed a home-made oil skimmer (tire rim) around the opening of the lower storm drain, and installed two open-topped steel tanks below the stormwater outfall to serve as an oil-water separator system. Soil was excavated from the hillside in order to seat the tanks. The excavated soil, which is from the area previously found to have lab-confirmed diesel and motor oil levels above MTCA, is stored on a cement pad (old foundation?) on the southern edge of the property. It is uncovered and there are no berms preventing runoff.

Mr. Short primarily repairs trucks and large equipment. Activities at the repair shop include all aspects of vehicle repair including welding, metal grinding, and parting-out vehicles. Mr. Short does not have a wrecker's license. Mr. Short states that Safety Kleen collects and disposes of his solvents and cleaners, Pettit collects 2-3 gallons of antifreeze a month, and Interstate collects his batteries. He disposes of all manner of oils by collecting the fluids in buckets and pouring them into one of the two metal storage tanks. These tanks are under a roofed structure which is open sided. There is a low poured-cement retaining wall for secondary containment. Until 2009, the secondary containment was used as a settling pond for the oil, sometimes with several inches of standing oil sitting for long periods of time. During the June 26, 2012 SHA sampling event, the secondary containment was virtually empty.

JCPH conducted an Initial Investigation (II) of this site, which was completed in February 2009. Results from soil samples taken from below the stormwater outflow confirmed diesel at **8,500 mg/kg** and motor oil at **37,000 mg/kg** (the MTCA Method A cleanup levels for both is 2000 mg/kg). Testing for other contaminants was not done at this time.

In May, 2009 Mr. Short entered Ecology's Voluntary Clean-up Program (VCP). In January, 2012 Ecology terminated their VCP agreement with Mr. Short due to lack of progress in clean-up.

A Site Hazard Assessment (SHA) visit, including additional soil sampling, was conducted on June 26, 2012 by Marjorie Boyd, JCPH. Soil samples were obtained from the stockpiled soil excavated from below the original stormwater outflow, and from below the new outflow extending from the steel tank oil-water separator system. This newer outfall is down gradient from and approximately thirty feet below the original outfall.

Soil samples from below the new outfall showed the presence of diesel and motor oil, toluene and xylene, as well as the metals cadmium, chromium, and lead. All were below MTCA, though the chromium level is close to the MTCA level of 2.0 mg/kg for Method A unrestricted use. (See Table 1)

The stockpiled soil, which came from the area previously tested and shown positive for diesel and motor oil above MTCA, was tested for metals on June 26. It, too, was positive for cadmium, chromium, and lead, and was additionally positive for mercury. These were all below MTCA Method A levels. (See Table 1)



Table 1 - Soil sample results from 6/26/12

	NWTPH-DX	BTEX	CA-PAHs	Metals
Stockpiled Soil	Not Tested	Not Tested	Not Tested	cadmium 0.7 mg/kg chromium 33.2 mg/kg lead 10 mg/kg mercury .05 mg/kg
Below outfall	Diesel 110 mg/kg Motor oil 340 mg/kg	Toluene .021 mg/kg Xylene .021 mg/kg	Non-detect	cadmium 1.3 mg/kg chromium 52 mg/kg lead 46 mg/kg

**SPECIAL CONSIDERATIONS (include limitations in site file data or data which cannot be accommodated in the model, but which are important in evaluating the risk associated with the site, or any other factor(s) over-riding a decision of no further action for the site):**

**ROUTE SCORES:**

Surface Water/Human Health: **57**

Air/Human Health: NS

Groundwater/Human Health: **44**

Surface Water/Environmental: **76**

Air/Environmental: NS

**OVERALL RANK: 1**



WORKSHEET 2  
Route Documentation

**1. SURFACE WATER ROUTE**

- a. List those substances to be considered for scoring: Source: 1,2  
Diesel and motor oil, cadmium, chromium, lead, toluene, xylene, and mercury.
- b. Explain basis for choice of substance(s) to be used in scoring:  
These substances were detected in site soil samples and are potentially available to this route.
- a. List those management units to be considered for scoring: Source: 1,2,4  
Surface and sub-surface soils.
- b. Explain basis for choice of unit to be used in scoring:  
There is no containment or any other system to prevent soil contamination from reaching nearby streams, especially during winter when the valley floods.

**2. AIR ROUTE: NOT SCORED**

**3. GROUNDWATER ROUTE**

- a. List those substances to be considered for scoring: Source: 1,2  
Diesel and motor oil, cadmium, chromium, lead, toluene, xylene, and mercury.
- b. Explain basis for choice of substance(s) to be used in scoring:  
These substances were detected in site soil samples and are potentially available to this route.
- c. List those management units to be considered for scoring: Source: 1,2,4  
Surface and sub-surface soils.
- d. Explain basis for choice of unit to be used in scoring:  
There is no containment or any other system to prevent soil contamination from reaching groundwater.



WORKSHEET 4  
Surface Water Route

**1.0 SUBSTANCE CHARACTERISTICS**

<b>1.1 Human Toxicity</b>										
Substance		Drinking Water Standard (µg/L)	Value	Acute Toxicity (mg/ kg-bw)	Value	Chronic Toxicity (mg/kg/day)	Value	Carcinogenicity		Value
								WOE *	CPF* *	
1	TPH-diesel	160	4	490 (rat)	5	0.004 (RfD)	3	-	-	-
2	cadmium	5	8	225 (rat)	5	0.0005	5	B1	-	-
3	chromium	100	6	-	-	1.0	1	-	-	-
4	lead	15	6	-	-	-	-	-	-	-
5	mercury	2	8	-	-	0.0003	5	-	-	-
6	toluene	2000	2	5000 (rat)	3	0.2	1	-	-	-
7	xylene	1000	2	50 (hmn)	10	2.0	1	-	-	-

\* Weight of Evidence

\*\*Cancer Potency Factor mg/kg/day

Source: 1,2,3

**Highest Value: 8**

(Max = 10)

**Plus 2 Bonus Points? 2**

**Final Toxicity Value:10**

(Max = 12)

<b>1.2 Environmental Toxicity ( X ) Freshwater ( ) Marine</b>					
Substance		Acute Water Quality Criteria		Non-Human Mammalian Acute Toxicity	
		(µg/L)	Value	(mg/kg)	Value
1	TPH-diesel	2300	2		
2	cadmium	3.9	8		
3	chromium	1700	2		
4	lead	82	6		
5	mercury	2.4	8		
6	toluene	17,500	2		
7	xylene	-	-		

Source: 3,4

**Highest Value: 8**

(Max = 10)



<b>1.3 Substance Quantity</b>		
<b>Explain Basis:</b> For 30 years an outfall has released contaminants from the edge of the primary site onto a second 4 acre parcel, approx 3 acres of which are down-gradient of primary site. Use 3 acres as basis = 130,680 cubic yards.		Source: 1, 4 <b>Value: 10</b> (Max = 10)

## 2.0 MIGRATION POTENTIAL

		Source	Value
2.1	<b>Containment:</b> No control of run-off, no cover. <b>Explain basis:</b> Contaminated surface soil with no containment	1,4	<u><b>10</b></u> (Max = 10)
2.2	<b>Surface Soil Permeability:</b> Soil at outflow is primarily sandy/rocky fill on top of Everett Series soil (gravelly sandy loam). This drains to flatlands of Semiahmoo Muck/peat which are flooded yearly, engulfing Chimacum Creek	1,4,13	<u><b>7</b></u> (Max = 7)
2.3	<b>Total Annual Precipitation:</b> 27.94"	5	<u><b>2</b></u> (Max = 5)
2.4	<b>Max 2yr/24hr Precipitation:</b> 2.5"	6	<u><b>3</b></u> (Max = 5)
2.5	<b>Flood Plain:</b> Area of contamination is on narrow strip of bank above 100 yr floodplain (that floods yearly)	10, 14	<u><b>2</b></u> (Max = 2)
2.6	<b>Terrain Slope: from outflow:</b> $50' / 670' * 100 = 7.4\%$	7	<u><b>3</b></u> (Max = 5)

## 3.0 TARGETS

		Source	Value
3.1	<b>Distance to Surface Water:</b> 670' from outflow	1,10	<u><b>10</b></u> (Max = 10)
3.2	<b>Population Served within 2 miles:</b> Approx. 30 people.	12	<u><b>5</b></u> (Max = 75)
3.3	<b>Area Irrigated by surface water within 2 miles :</b> $(0.75) * \sqrt{1520} \text{ acres} = 29$	12	<u><b>29</b></u> (Max = 30)
3.4	<b>Distance to Nearest Fishery Resource:</b> 760' (Chimacum Creek)	1,10	<u><b>12</b></u> (Max = 12)
3.5	<b>Distance to, and Name(s) of, Nearest Sensitive Environment(s):</b> Wetlands and Chimacum Creek, both < 1000	1,10	<u><b>12</b></u> (Max = 12)

## 4.0 RELEASE

<b>Explain Basis:</b> Initial Investigation reports verbal statement by Lee Short of release via stormwater outfall and intentional release from buckets for 30 yrs; contamination below outfall lab-confirmed.	Source: 1,2,4 <b>Value: 5</b> (Max = 5)
---	---



### WORKSHEET 5

Air Route

Not Scored

### WORKSHEET 6

Groundwater Route

## 1.0 SUBSTANCE CHARACTERISTICS

1.1 Human Toxicity										
Substance		Drinking Water Standard (µg/L)	Value	Acute Toxicity (mg/ kg-bw)	Value	Chronic Toxicity (mg/kg/day)	Value	Carcinogenicity		Value
								WOE *	PF**	
1	TPH-diesel	160	4	490 (rat)	5	0.004 (RfD)	3	-	-	-
2	cadmium	5	8	225 (rat)	5	0.0005	5	B1	-	-
3	chromium	100	6	-	-	1.0	1	-	-	-
4	lead	15	6	-	-	0.001	10	B2	-	-
5	mercury	2	8	-	-	0.0003	5	-	-	-
6	toluene	2000	2	5000 (rat)	3	0.2	1	-	-	-
	xylene	1000	2	50 (hmn)	10	2.0	1	-	-	-

\* Weight of Evidence

\*\*Cancer Potency Factor mg/kg/day

Source: 1,2,3

**Highest Value: 10**

(Max = 10)

**Plus 2 Bonus Points? 2**

**Final Toxicity Value: 12**

(Max = 12)

1.2 Mobility (use numbers to refer to above listed substances)	
Cations/Anions [Coefficient of Aqueous Migration (K)]	OR Solubility (mg/L)
TPH-diesel	1= 3.0E + 01= 1
Cadmium K is >1.0 = 3	2=
chromium K is < 0.1 = 1	3 =
Lead K is 0.1 to 1.0 = 2	4=
Mercury K is >1.0 = 3	5=



toluene	6= $5.5E+02=2$
xylene	7= $2.0E+02=2$
	Source: 1-4 <b>Value: 3</b> (Max = 3)

1.3 Substance Quantity:	
<b>Explain basis:</b> For 30 years an outfall has released contaminants from the edge of the primary site onto a second 4 acre parcel, approx 3 acres of which are down-gradient of primary site. Use 3 acres as basis = 130,680 cubic yards.	Source: 1,2,4 <b>Value: 7</b> (Max=10)

## 2.0 MIGRATION POTENTIAL

		Source	Value
2.1	<b>Containment (explain basis):</b> Contaminated soil below stormwater outfall and soil stockpile: 10 (no liner, cover, leachate collection system or run off control)	1,2,4	<u>10</u> (Max = 10)
2.2	<b>Net precipitation:</b> $11.2'' - 6.1'' = 5.1''$	5	<u>1</u> (Max = 5)
2.3	<b>Subsurface hydraulic conductivity:</b> Everett Series soil, somewhat excessively drained, gravelly sandy loam = 4	1,4,13	<u>4</u> (Max = 4)
2.4	<b>Vertical depth to groundwater:</b> 35' from valley floor to GW (per well log)	1, 15	<u>6</u> (Max = 8)

## 1.0 TARGETS

		Source	Value
3.1	<b>Groundwater usage:</b> Private supply, no alternate available	1,12	<u>5</u> (Max = 10)
3.2	<b>Distance to nearest drinking water well:</b> 1700' from outfall to farm's well, 1300' to 2600' from likely contamination plume.	1	<u>3</u> (Max = 5)
3.3	<b>Population served within 2 miles:</b> 67 domestic wells x 3 = 201 $\sqrt{201} = 14$	4,12	<u>14</u> (Max = 100)
3.4	<b>Area irrigated by (groundwater) wells within 2 miles:</b> $(0.75)*\sqrt{1174}$ acres = 34	12	<u>34</u> (Max = 50)

## 2.0 RELEASE

No confirmed release to groundwater	Source 1	Value 0
<b>Explain basis for scoring a release to groundwater:</b>		<u>-</u> (Max = 5)



## SOURCES USED IN SCORING

1. Initial Investigation Report, Washington State Department of Ecology, February 19, 2009.
2. Soil sample results from June 26, 2012 sampling event at Lee's Truck Repair.
3. Washington State Department of Ecology, Toxicology Database for Use in Washington Ranking Method Scoring, January 1992.
4. Washington State Department of Ecology, Washington Ranking Method (WARM) Scoring Manual, April 1992.
5. Climate Summary for Chimacum, WA., Western Regional Climate Center,  
<http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?wa1414> downloaded 7-25-12.
6. Isopluvials of 2-Yr. 24 Hr. Precipitation in Tenths of an Inch, NOAA Atlas 2, Volume IX, U.S. Department of Agriculture, Soil Conservation Service, Engineering Division,  
<http://www.wrcc.dri.edu/pcpnfreq/wa2y24h.gif>, downloaded 7-25-12.
7. U.S.G.S. topographical map for area.
8. Map of Commercial and Recreational Shellfish Growing Areas, Puget Sound, January 2009, Washington State Department of Health, [www.doh.wa.gov/ehp/sf/Pubs/ai-map.pdf](http://www.doh.wa.gov/ehp/sf/Pubs/ai-map.pdf).
9. Washington Climate Booklet, U.S. Department of Agriculture, Washington State Extension Service, Pullman, WA., December 1972.
10. Jefferson County On-Line GIS system for Jefferson County Environmental Health Information (Arcview 10).
11. Sentry Internet Database of Water Wells, Washington State Department of Health.
12. Water Right Tracking System, Washington State Department of Ecology.  
<https://fortress.wa.gov/ecy/wrx/wrtssp1/wrtssmain.aspx?xpage=intro&xnavigate=clear>.
13. Soil Survey of Jefferson County, Washington; U.S. Department of Agriculture Soil Conservation Service and Washington Agriculture Experiment Station, August, 1975.
14. Jefferson County FEMA Q3 Flood Data Map.  
<http://www.co.jefferson.wa.us/idms/metadata/FEMA%20FIRMS.shtml>
15. Water Well Report Soil Log, Roger Short Property, 1720 Center Road, June 24, 1991.





STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

January 9, 2012

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

Mr. Lee Short  
1520 Center Road  
Chimacum, WA 98325-9711

Re: Termination of VCP Agreement for the following Site:

- Site Name: Lee's Truck Repair
- Site Address: 1520 Center Road, Chimacum, WA 98325-9711
- Facility/Site No.: 24761
- VCP Project No.: SW1028

Dear Mr. Short:

The Department of Ecology (Ecology) is terminating the VCP Agreement governing Project No. SW1028. The project involved the cleanup of the Lee's Truck Repair facility (Site). The effective date of termination is the date of this letter. We are providing this notice in accordance with the terms of the Agreement.

**Reason**

Ecology is terminating the Agreement because we understand that you are not actively cleaning up the Site. On December 7, 2011, we sent you a letter requesting an update on the status of your cleanup and your plan for completing the cleanup. You did not respond to that request. Since we have not heard from you, we have decided to terminate the Agreement.

**Next Steps**

Based on this decision, Ecology will take the following step:

1. Conduct a site hazard assessment (SHA) and rank the Site for further action.

You may apply to reenter the VCP if you decide to conduct further action at the Site.

**Contact Information**

Ecology is committed to working with you to accomplish the prompt and effective cleanup of the Site. If you have any questions about this notice, please contact the Site Manager, Tom Middleton, at 360-407-7263 or via email at [tmid461@ecy.wa.gov](mailto:tmid461@ecy.wa.gov).

Sincerely,

Rebecca S. Lawson, P.E., LHG  
Section Manager  
Toxics Cleanup Program, SWRO

By certified mail: (7009 3410 0000 1272 3533)

cc: Marjorie Boyd, Environmental Health Specialist, Jefferson County Public Health  
Scott Rose, Ecology  
Tom Middleton, Ecology  
Dolores Mitchell, Ecology







# Historical Aerial Photo Report | 2022

Order Number: 80452

Report Generated: 11/12/2022

Project Name: Short Family Farm

Project Number: 1122-04

Short Family Farm  
1594, 2330, 1720 Center Road  
Chimacum, WA, 98325

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Contact us at:  
(866) 211-2028  
[envirositecorp.com](http://envirositecorp.com)



Envirosite's Historical Aerial Photo Report is designed to assist in evaluating a subject property resulting from past activities. EnviroSite's Historical Aerial Photo Report includes a search of available historical aerial photographs, dating back to the 1930s, or earliest available photographs.

## **ENVIROSITE SEARCHED SOURCES**

### **SUBJECT PROPERTY:**

Short Family Farm  
1594, 2330, 1720 Center Road  
Chimacum, WA, 98325

### **YEAR:**

1951  
1956  
1968  
1972  
1979  
1980  
1990  
2006  
2009  
2011  
2013  
2015  
2017  
2019

### **SCALE:**

1" = 1,000'  
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### **SOURCE:**

U.S.G.S  
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U.S.G.S  
U.S.G.S  
U.S.G.S  
NHAP  
DOQ  
NAIP  
NAIP  
NAIP  
NAIP  
NAIP  
NAIP  
NAIP

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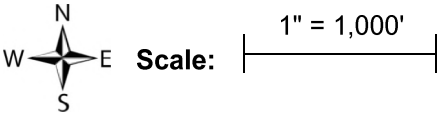
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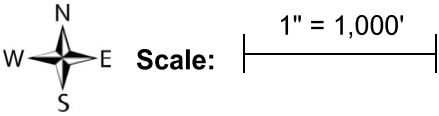


**FLIGHT YEAR:**  
1951



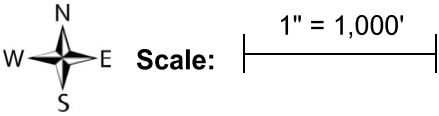


**FLIGHT YEAR:**  
1956



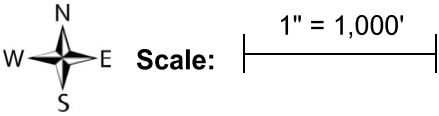


**FLIGHT YEAR:**  
1968



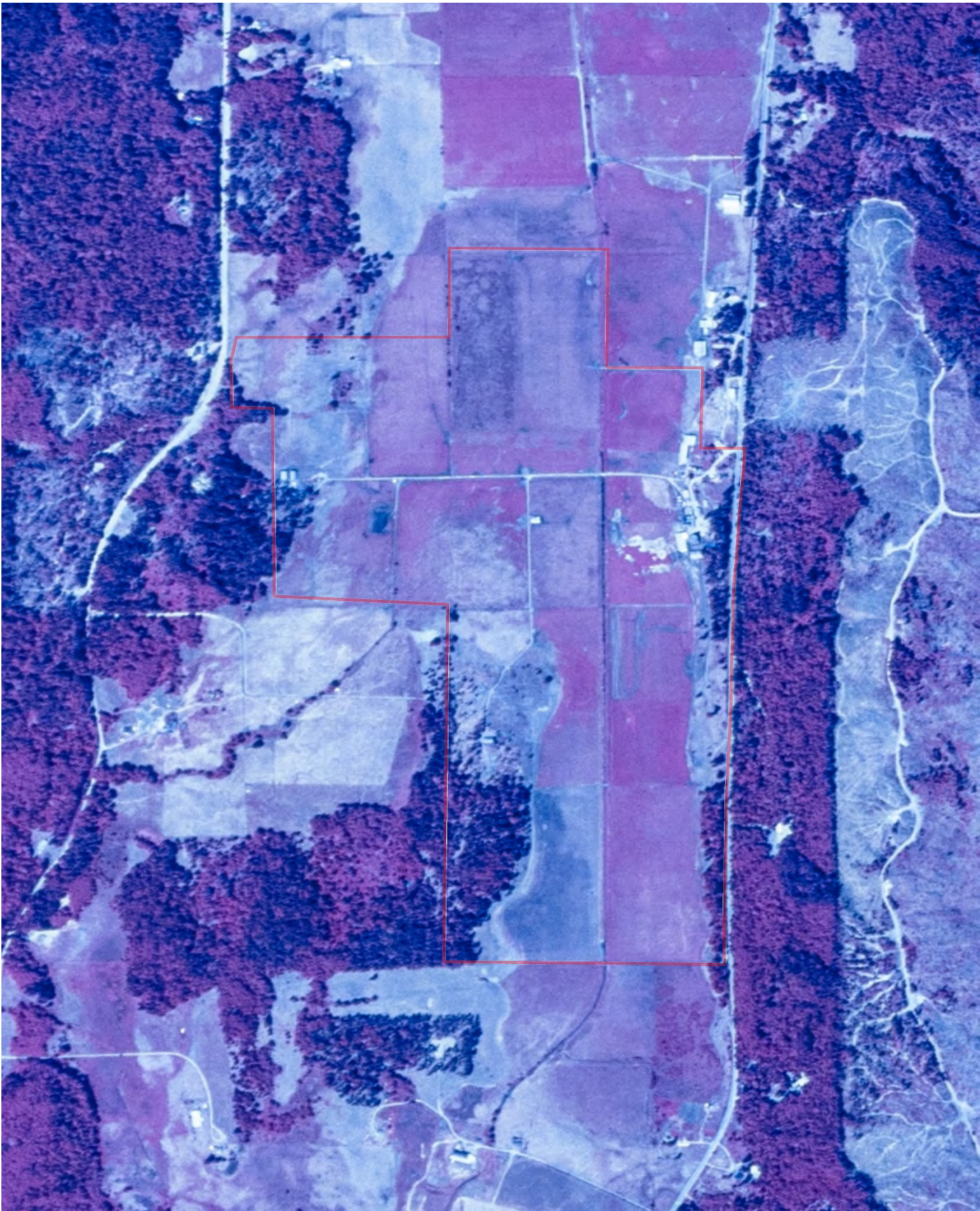
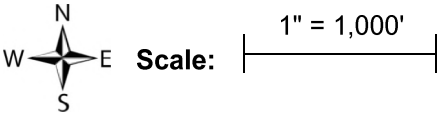


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1972



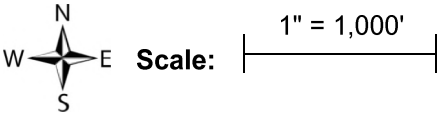


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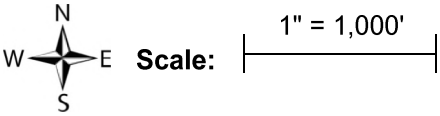


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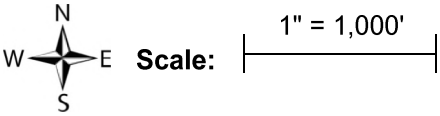


**FLIGHT YEAR:**  
1990



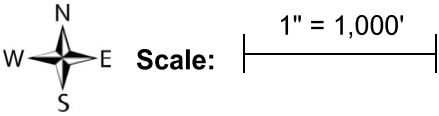


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2006



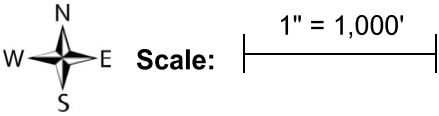


**FLIGHT YEAR:**  
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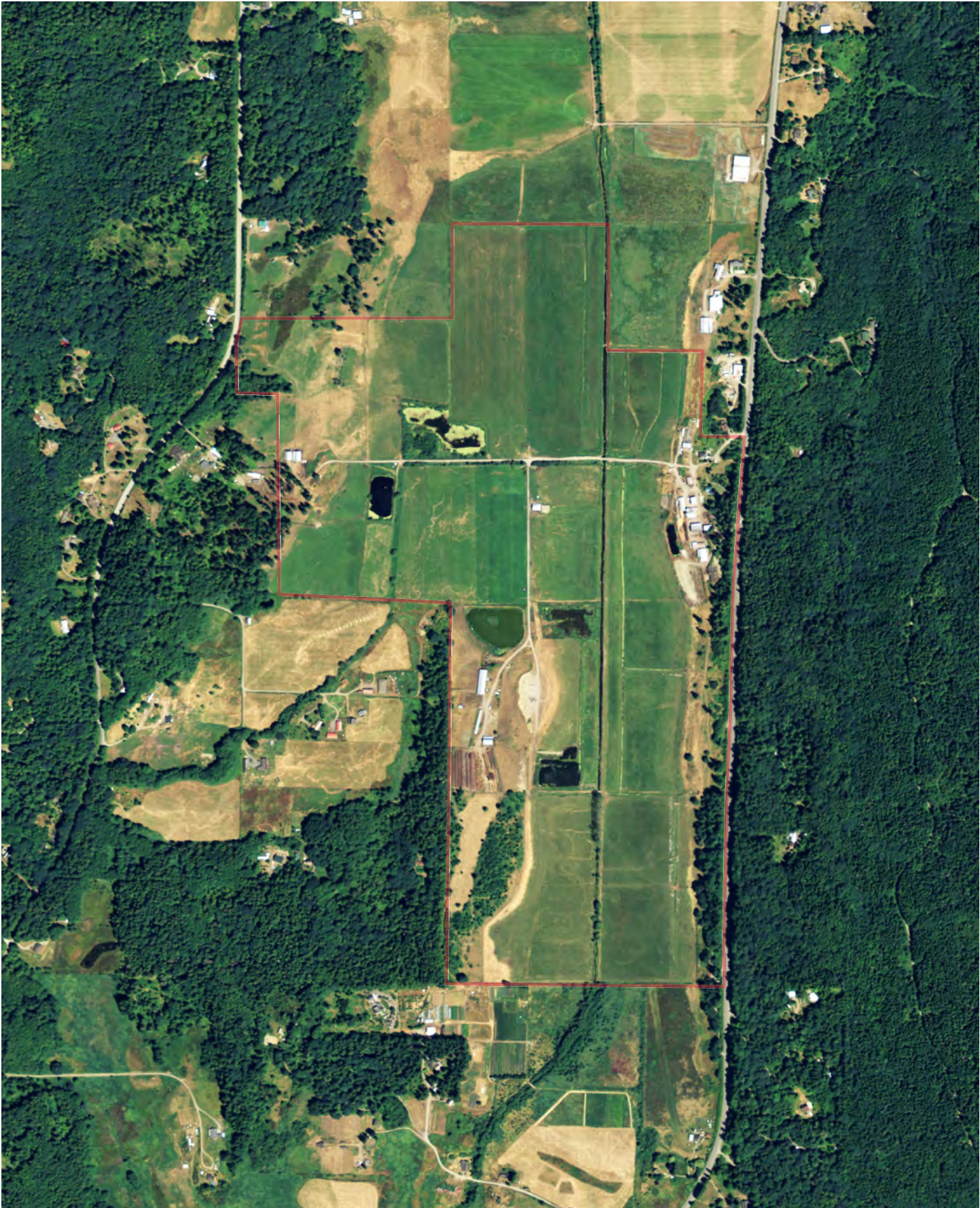
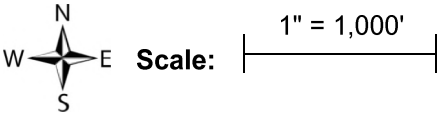


**FLIGHT YEAR:**  
2011



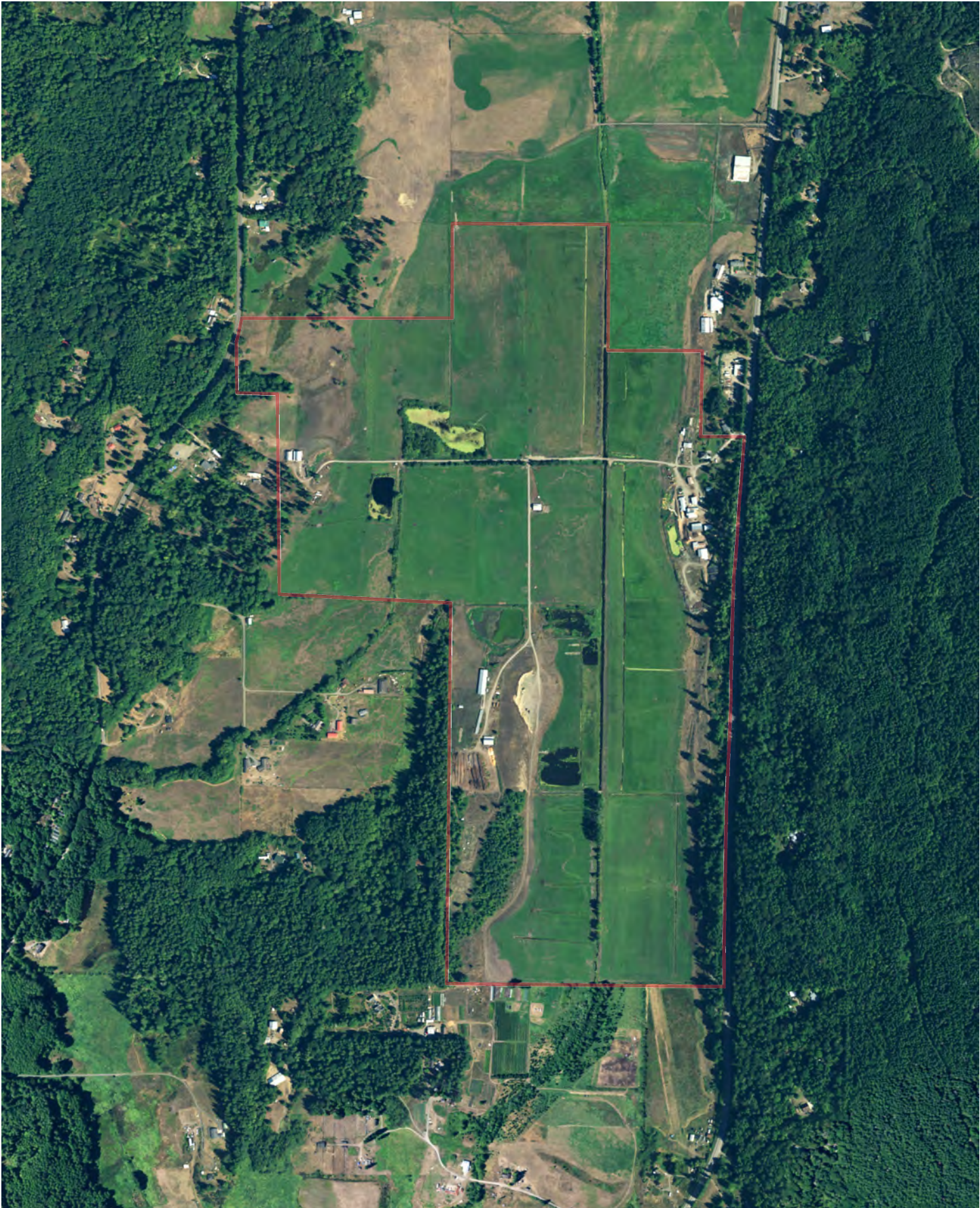
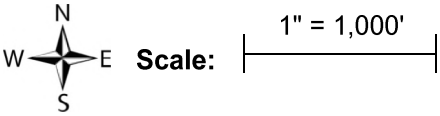


FLIGHT YEAR:  
2013



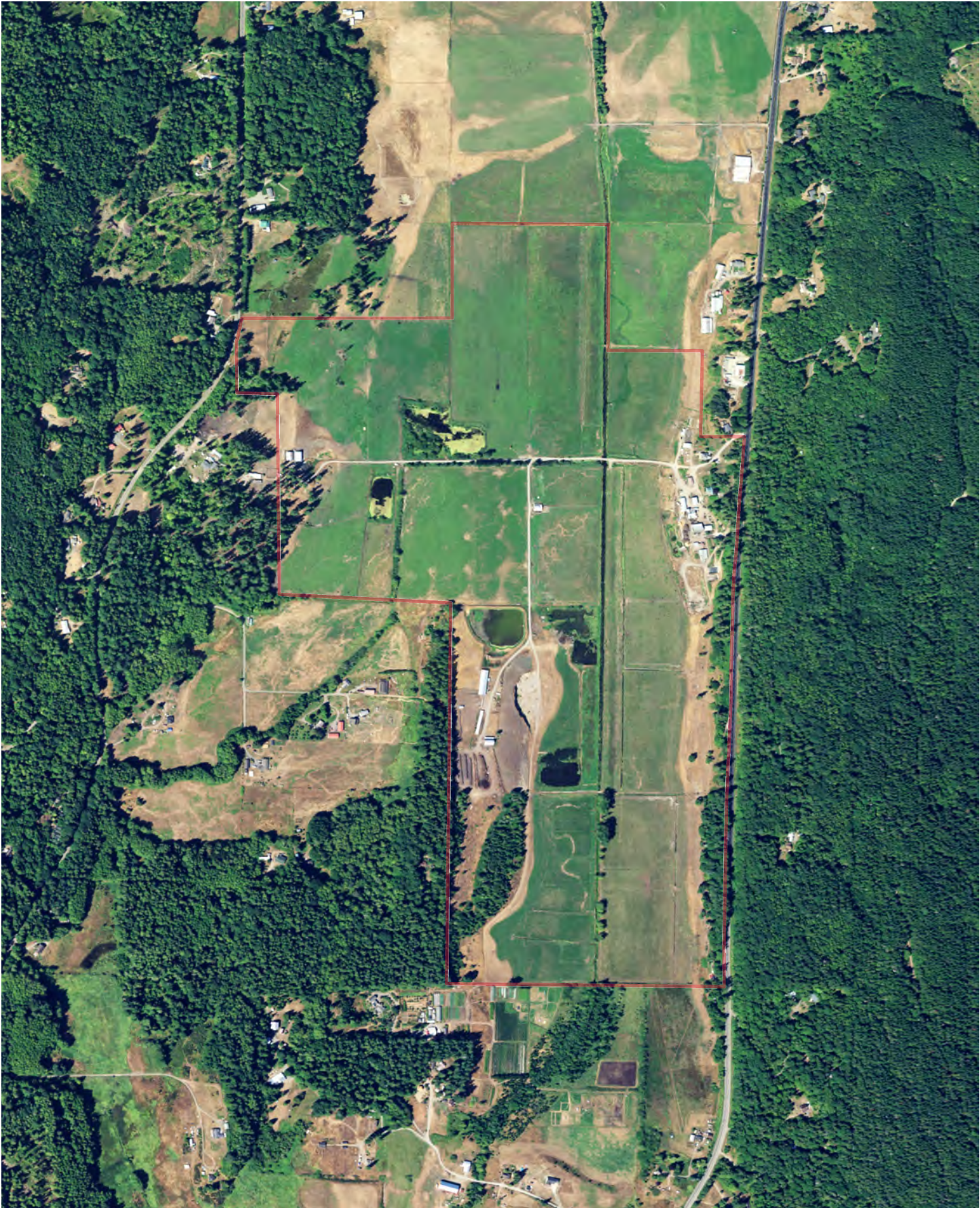
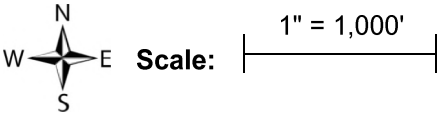


**FLIGHT YEAR:**  
2015



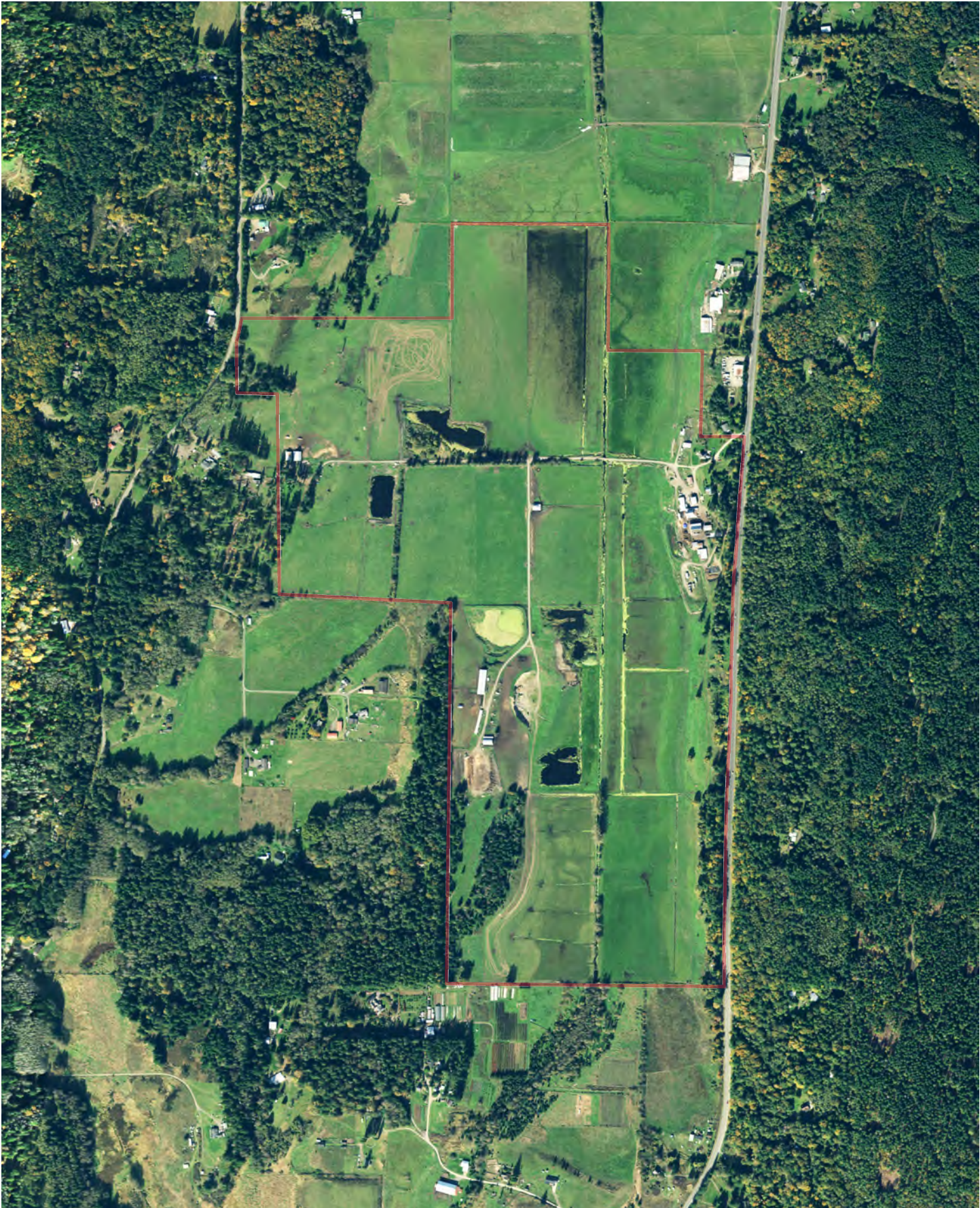
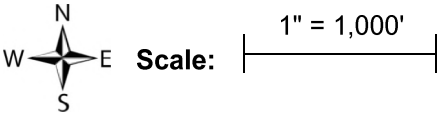


FLIGHT YEAR:  
2017





**FLIGHT YEAR:**  
2019







## APPENDIX B PROPERTY OWNER/CLIENT PROVIDED INFORMATION





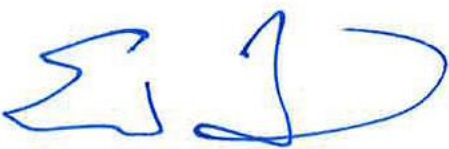
The following questionnaire is required by the ASTM Standard E 1527-13, which adheres to the All Appropriate Inquiries (AAI) Rule (United States Environmental Protection Agency) (40 CFR 312).

As defined by ASTM, the User of the report is the “party seeking to use Practice E 1527 to complete an environmental site assessment of the property. A user may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager. The user has specific obligations for completing a successful application of this practice.”

### 1. Property Information:

Property Name: <i>Short Family Farm</i>		
Property Address: <i>1720 Center Valley Road</i>		
City <i>Chimacum</i>	State <i>WA</i>	Zip <i>98325</i>
Assessor's Parcel Number(s): <i>901233011, 901224001, 901233002, 901233008, 901233010, 901262002, and 901262003</i>		
Property Owner & Contact Information: <i>Roger &amp; Sandy Short</i> <i>1720 Center Valley Road</i> <i>Chimacum, WA 98325</i> <i>(360) 301-3521</i>		
Key Site Manager & Contact Information (person who should be contacted for site access): <i>Roger Short</i>		

### 2. Completed By

Signature 	Date <i>11/03/22</i>
Printed Name <i>Eric Toews, Deputy Director</i> <i>Port of Port Townsend</i>	Relation to Subject Property <i>Authorized Agent of Prospective Purchaser</i> <i>– Port of Port Townsend</i>

### 3. Environmental liens that are filed or recorded against the property (40 CFR 312.25)

Did a search of recorded land title records (or judicial records) identify any environmental liens filed or recorded against the property under federal, tribal, state or local law? *Not known with certainty. Title Report from Jefferson Title Company have been linked for your information. They do not appear to reveal any existing environmental liens.* (If yes, please provide associated documentation)

### 4. Activity and use limitations (AULs) that are in place on the property or that have been filed or records against the property (40 CFR 312.26(a)(1)(v) and (vi))

Did a search of recorded land title records (or judicial records) identify any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the





property and/or have been filed or recorded against the property under federal, tribal, state or local law? *Grant Deed of Agricultural Conservation Easement (please follow "Exception Documents.pdf" link, in accompanying Title Report documents letter from Jefferson Title Company for further information)* (If yes, please provide associated documentation)

**5. Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28)**

Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

*No – the Port of Port Townsend has no special knowledge or experience relating to the subject property* (If yes, please provide associated documentation)

**6. Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29)**

Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?

*A purchase price for the property has yet to be agreed upon between the parties and is likely to be affected by facts ascertained during by the Port's due diligence inquiry, of which this Phase I Environmental Assessment is a part.* If yes, please provide associated documentation)

**7. Commonly known or reasonably ascertainable information about the Property (40 CFR 312.30)**

Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? *The only information in the Port's possession relating to potential releases or threatened releases on the subject property was developed by ADESA Environmental in conjunction with a Phase I Environmental Assessment conducted in 2013/14 and provided to the Port by the Jefferson Land Trust.* (If yes, please provide associated documentation)

- + Do you know the past uses of the property? *Insofar as is known, agricultural uses and a topsoil mixing business.*
- + Do you know of specific chemicals that are present or once were present at the property? *No. The Port has no direct knowledge of specific chemicals used or once present onsite.*
- + Do you know of spills or other chemical releases that have taken place at the property? *Unknown.*
- + Do you know of any environmental cleanups that have taken place at the property? *Unknown.*
- + Do you have any prior knowledge that the property was developed as a gas station, dry cleaner, manufacturing/industrial facility in the past? *No. The Port has no such prior knowledge.*
- + Are you aware of historical use of hazardous materials or petroleum products used or present on the property? *The Port has no direct knowledge of the use or presence of such products or materials.*
- + Do you know if the property is currently or was formerly equipped with underground storage tanks (USTs) or septic tanks? *Yes. Based in part on the 2013/14 Phase I ESA prepared by ADESA Environmental, we have reason to believe that the property has*





*both a UST as well as one or more septic tanks serving the residential dwellings in proximity to Center Valley Road.*

- ✚ Do you know of any past, threatened or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substance or petroleum products involving the property by any owner or occupant of the property? *Unknown.*

**8. The degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31)**

Based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of releases at the property? *The Port has no direct knowledge or experience; however, anecdotally, we understand that equipment barns and loafing sheds in proximity to Center Valley Road may exhibit some level of contamination due to decades of servicing/storage of farm machinery and farm-related supplies/chemicals.*





March 22, 2014

Sarah Spaeth  
Executive Director  
Jefferson Land Trust  
1033 Lawrence Street  
Port Townsend, WA 98368

**Re: Resolution of Recognized Environmental Conditions Identified in the ADESA Phase I Assessment, dated February 19, 2014, of the Short Family Farm/Valley View Family Trust: 1594 Center Road Chimacum, WA 98325**

The purpose of this letter is to detail the work completed by ADESA in addressing the recognized environmental conditions (REC by ASTM E1527-05) identified in the ADESA Phase I Environmental Site Assessment conducted on the above referenced site, dated February 19, 2014. In the Phase I assessment the following REC were identified:

**REC #1: "Lee's Truck Service: Stormwater outfall and contaminated soil stockpile"**

On March 13, 2014, ADESA collected four soil samples from areas below the stormwater outfall and down gradient from the former soil stockpile area, and one surface water sample down gradient from the former soil stockpile area.







Greetings,

For your convenience, we have provided online access to your documents. You may click the links below and download the documents to your personal storage device.

Please contact your Jefferson Title Company team at 360-385-2000 with any questions you may have.

Thank you for your business and we look forward to serving you on this transaction and in any future real estate transactions you may have.

Sincerely,

Jefferson Title Company

[Commitment.pdf](#)

[Maps.pdf](#)

[Deeds.pdf](#)

[Exception Documents.pdf](#)



2701 Jefferson Street  
P.O. Box 1180  
Port Townsend, WA 98368



360-385-0656  
fax:360-385-3988  
info@portofpt.com

[www.portofpt.com](http://www.portofpt.com)

September 28, 2022

Roger & Sandy Short  
1720 Center Road  
Chimacum, WA 98325

RE: LETTER OF INTENT & ACCESS AGREEMENT

Dear Roger & Sandy,

This non-binding Letter of Intent ("LOI") shall serve as an outline of the potential transaction (the "Transaction") by and between the Port of Port Townsend (the "Port") and Roger & Sandy Short ("Seller"), whereby the Port would purchase from Seller approximately 253 (253) acres of real property and improvements located at 1720 Center Road, Chimacum, Washington, identified by parcel identification numbers: 901233011, 901224001, 901233002, 901233008, 901233010, 901262002 & 901262003 (the "Property").

The Port is governed by a three (3)-member elected Commission. While Port staff is authorized to negotiate Transactions such as this LOI, any final and binding approval of the Transaction set forth herein must be made by the Commission of the Port, in its sole discretion, acting in an open public meeting. Therefore, the negotiation of this Transaction is subject to Port Commission approval, which may or may not be granted.

The following terms set forth the parties mutual understanding with respect to the Transaction:

1. **Purchase Price:** The purchase price will be established by mutual agreement following the Due Diligence Period. The Port agrees, at its sole expense, to purchase and appraisal of the Property which will be shared with Seller.
2. **Deed:** The Property will be transferred to the Port via statutory warranty deed free and clear of all encumbrances except those approved by the Port.
3. **Closing Costs and Escrow:** Jefferson Title Company will serve as escrow. The Port and Seller will split the cost of escrow, Seller will pay for a standard title insurance policy, and Seller will be responsible for the real estate excise tax.
4. **Environmental Documents and Insurance:** Seller, both during the due diligence period described herein and at any period after Closing reasonably required by Buyer, will cooperate with the Port to locate any records Seller may have concerning past owners of the Property and past insurance policies which may be able to respond to any environmental contamination at the Property.



5. **Access Agreement.** Sellers agree to sign the attached Consent for Access to Property for Brownfields Assessment, attached hereto as Exhibit "A", simultaneously with this Letter of Intent.
6. **Transactional Documents:** Following the Due Diligence Phase and after final terms are mutually agreed upon, the Port will, at its sole expense, have a draft real property purchase and sale agreement with appropriate attachments prepared (the "Transactional Documents").
7. **Due Diligence Period:** Upon execution of the Transactional Documents, the Port shall have a four (4)-month period to conduct whatever due diligence it desires, including inspection of the environmental condition of the Property by Port retained consultants. Seller may observe all testing and the Port will provide Seller with a copy of all test results at no cost to Seller. The Buyer shall be entitled to terminate the Transaction at any time during the due diligence period with no penalty. Seller agrees not to market or sell the Property to any other party during the Due Diligence Period.
8. **Preliminary Commitment for Title Insurance:** Upon execution of this Letter of Intent, Seller will order a preliminary commitment for title insurance and deliver a copy of that preliminary commitment to the Port.
9. **Closing of Transaction:** Subject to receipt of all documents requested by the Port, the Transaction shall close within sixty (60) days after mutual agreement as to the purchase price.
10. **No Assignment of this Letter of Intent:** This Letter of Intent and the rights hereunder may not be assigned by Port.
11. **Good Faith Negotiation:** The parties agree to negotiate in good faith towards the completion and execution of the Transactional Documents.
12. **Construction, Governing Law, and Venue:** The Port and Seller agree that this Letter of Intent will be construed to effectuate the normal and reasonable expectations of sophisticated parties. The parties hereto expressly agree that this Letter of Intent will be governed by, interpreted under, and construed and enforced in accordance with the laws of the State of Washington. Any action in law or equity relating to this Letter of Intent or the subsequent Transactional Documents shall be instituted and maintained only in Jefferson County Superior Court.
13. **Intent of the Parties - Non-binding Terms:** The parties do not intend that the terms of this Letter of Intent to be binding but rather outline the terms of the Transactional Documents. This Letter of Intent is not intended as, and does not constitute, a binding agreement by any party, nor an agreement by any party to enter into a binding agreement but is merely intended to specify some of the proposed terms and conditions of the Transaction contemplated herein. Neither party may claim any legal rights against the other by reason of the signing of this Letter of Intent or by taking any action in reliance thereon. Each party hereto fully understands that no party shall have any legal obligations to the other, or with respect to the proposed Transaction, unless and until all of the terms and conditions of the proposed Transaction have been negotiated, agreed to by all parties, and set forth in the Transactional Documents which have been approved by the Port Commission, signed, and delivered by all parties. The only legal obligations, which any party shall have, shall be those contained in such signed and delivered Transactional Documents referred to above. This Letter of Intent is not intended to limit the scope or substance of further discussions, or the matters that may be addressed between the



parties or in the Transactional Documents. Furthermore, the Transactional Document terms may vary from those set forth herein, and in the case of any conflict between this Letter of Intent and the final executed Transactional Documents, the Transactional Documents shall control.

14. **Miscellaneous:** This Letter of Intent incorporates all discussions, agreements, and understandings relating to the Transaction to date. It may be amended only in writing executed by the parties hereto. This Letter of Intent may be executed in counterparts, each of which shall be deemed and original and all of which together shall constitute one agreement.
15. **Counterparts and Electronic Transmission:** This Non-Binding Letter of Intent may be signed in counterparts. Electronic transmission of the signed original Letter of Intent, and retransmission of the same, shall be the same as delivery of the original document.

We look forward to moving as quickly as possible to complete the transaction outlined in this Letter of Intent. Please sign below indicating your acceptance.

**PORT OF PORT TOWNSEND**

  
\_\_\_\_\_  
Eron Berg, Executive Director

**SELLER**

  
\_\_\_\_\_  
Roger Dean Short

  
\_\_\_\_\_  
Sandy Short



EXHIBIT A  
**CONSENT FOR ACCESS TO PROPERTY FOR BROWNFIELDS ASSESSMENT**

Property Owner: Roger & Sandy Short	Property Address: 1720 Center Road, Chimacum, Washington, identified by parcel identification numbers: 901233011, 901224001, 901233002, 901233008, 901233010, 901262002 & 901262003 (the "Property")
-------------------------------------	--

Port of Port Townsend, a Washington Special Purpose District (Port), has entered into an LOI with Property Owner at the location described above and desires to complete an environmental assessment of the Property. I, the undersigned, am the owner, their representative, or otherwise control the property at this location.



I hereby give my consent to employees and authorized representatives of The Port of Port Townsend to enter and have access to the property located at the above address. Access is granted to complete those tasks required for the Brownfields Assessment of the Short's property, which may include but are not limited to the following:

1. Meet with site owners or representatives;
2. Conduct a visual inspection;
3. Collect surface soil, subsurface soil, groundwater, and or soil vapor samples;
4. Take photographs of relevant site conditions; and
5. Conduct other actions (e.g. ground-penetrating radar surveying, utility location, etc.) related to the investigation of contamination.

The Port will attempt to provide reasonable advance notice of entry by calling Property Owner at telephone number 360-301-3655 at least 24 hours in advance of entry on the Property.

The term of this consent for access is until January 31, 2023. If additional time is required to complete the work necessary for the Brownfields Assessment, a new consent for access will be requested.

Signature

	
Roger Short	Sandy Short





## APPENDIX C SITE INSPECTION PHOTOGRAPHS





1. Subject Property looking east from the western side of the property



2. Main residence



3. Main residence interior



4. Lumber Shed



5. Petroleum ASTs in Lumber Shed



6. Lumber Shed interior





7. Shop building



8. Waste oil drum adjacent to Shop



9. Shop interior



10. Shop interior



11. Shop interior



12. Former milking parlor and beef sales retail space





13. Former milking parlor



14. Former milking parlor interior



15. Representative agricultural structures in development cluster on the east side of the Subject Property



16. Representative agricultural structures in development cluster on the east side of the Subject Property



17. Representative agricultural structures in development cluster on the east side of the Subject Property



18. Representative agricultural structures in development cluster on the east side of the Subject Property





19. Representative agricultural structures in development cluster on the east side of the Subject Property



20. Representative agricultural structures in development cluster on the east side of the Subject Property



21. Representative agricultural structures in development cluster on the east side of the Subject Property



22. Representative agricultural structures in development cluster on the east side of the Subject Property



23. Representative agricultural structures in development cluster on the east side of the Subject Property



24. Representative agricultural structures in development cluster on the east side of the Subject Property





25. Representative agricultural structures in development cluster on the east side of the Subject Property



26. Representative agricultural structures in development cluster on the east side of the Subject Property



27. Poultry houses



28. Manufacture home in the southeastern corner of the Subject Property



29. Former swimming pool heater, filter shed and manufactured home in the northeastern area



30. Representative agricultural structures in development cluster on the east side of the Subject Property





31. Representative agricultural structures in development cluster on the east side of the Subject Property



32. Representative agricultural structures in development cluster on the east side of the Subject Property



33. Representative agricultural structures in development cluster on the east side of the Subject Property



34. Representative agricultural structures in development cluster on the east side of the Subject Property



35. Representative man-made pond



36. Chimacum Creek and valley floor





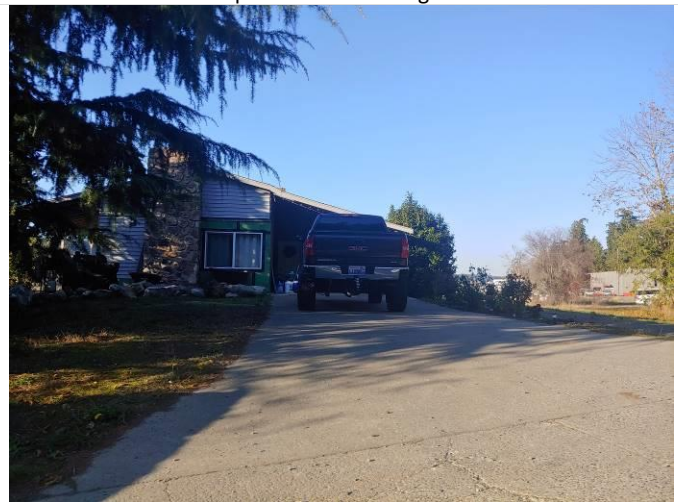
37. Gypsum pile in former composting/yard waste receiving area



38. Gypsum pile in a concrete silo on the south side of the eastern development cluster along Center Road



39. Transformer and well house



40. Adjoining properties to the east/north



41. Adjoining property to the south



42. Representative image of adjoining properties to the west





## APPENDIX D SUPPORTING DOCUMENTS





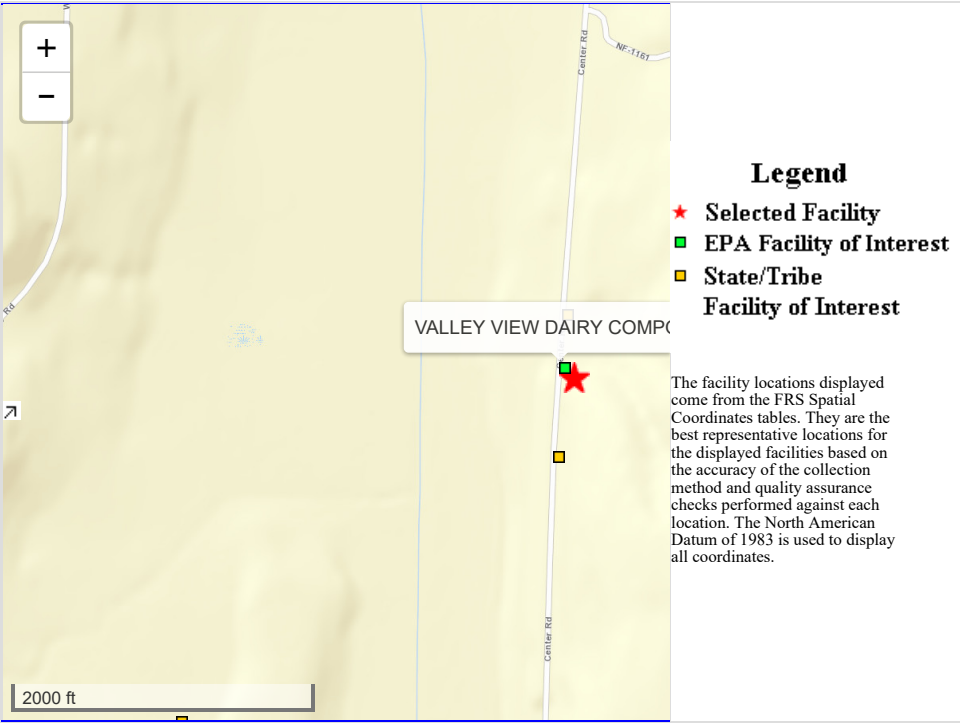
Related Topics: Envirofacts

FRS

FRS Facility Detail Report

VALLEY VIEW DAIRY COMPOST

EPA Registry Id: 110037222136  
1594 CENTER RD  
QUILCENE, WA 98325



Facility Registry Service Links:

- Facility Registry Service (FRS) Overview
- FRS Facility Query
- FRS Organization Query
- EZ Query
- FRS Physical Data Model
- FRS Geospatial Model

Report an Error

Environmental Interests

Information System		System Facility Name	Information System Id/Report Link	Environmental Interest Type	Data Source	Last Updated Date	Supplemental Environmental Interests:
WASHINGTON - FACILITY / SITE IDENTIFICATION SYSTEM		VALLEY VIEW DAIRY COMPOST	9590129 <div>EXIT Disclaimer</div>	STATE MASTER	WA-FSIS		- <b>W2R-</b> REFUSE DISPOSAL <b>SWFAP-</b> REFUSE DISPOSAL
Additional EPA Reports:		MyEnvironment Site Demographics Facility Coordinates Viewer Environmental Justice Map Viewer Watershed Report					
Standard Industrial Classification Codes (SIC)				National Industry Classification System Codes (NAICS)			
No SIC Codes returned.							
Facility Codes and Flags							
EPA Region:	10						
Duns Number:							
Congressional District Number:	06						
Legislative District Number:	24						
HUC Code/Watershed:	17110019 / PUGET SOUND						
US Mexico Border Indicator:							
Federal Facility:	NO						
Tribal Land:	NO						
Alternative Names				Facility Mailing Addresses			
No Alternative Names returned.							
Organizations							
No Organizations returned.				Contacts			
				No Contacts returned.			





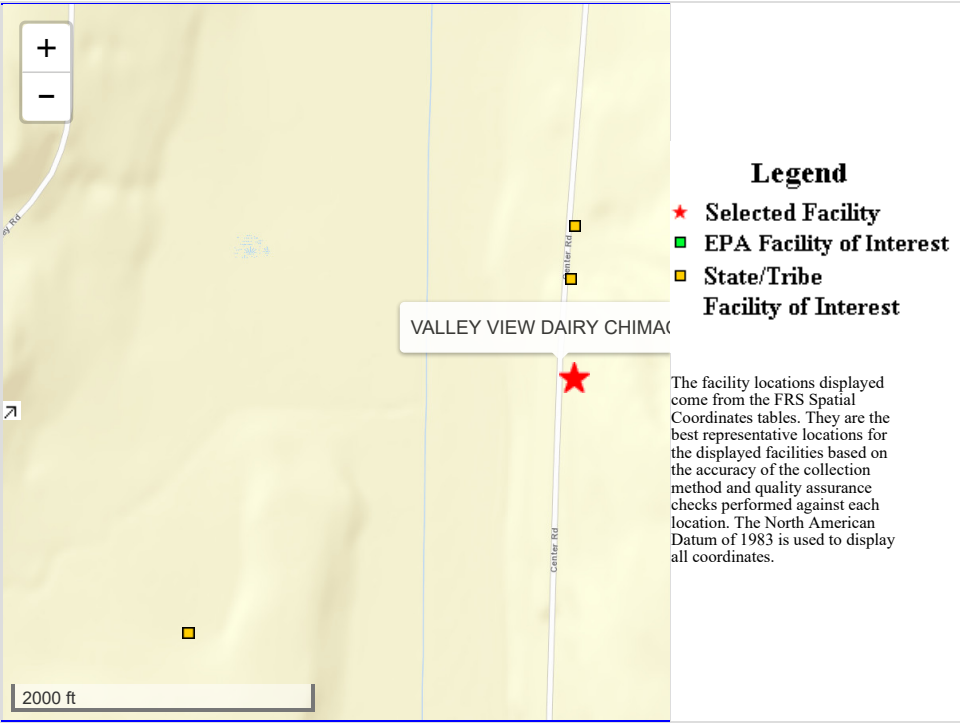
Related Topics: Envirofacts

FRS

FRS Facility Detail Report

VALLEY VIEW DAIRY CHIMACUM

EPA Registry Id: 110015539096  
1720 CENTER RD  
CHIMACUM, WA 98325-9779



Facility Registry Service Links:

- Facility Registry Service (FRS) Overview
- FRS Facility Query
- FRS Organization Query
- EZ Query
- FRS Physical Data Model
- FRS Geospatial Model

Report an Error

Environmental Interests

Information System		System Facility Name	Information System Id/Report Link	Environmental Interest Type	Data Source	Last Updated Date	Supplemental Environmental Interests:
WASHINGTON - FACILITY / SITE IDENTIFICATION SYSTEM		VALLEY VIEW DAIRY CHIMACUM	7539286 <div>EXIT Disclaimer</div>	STATE MASTER	WA-FSIS		WATQUAL-LIVESTOCK WASTE CONTROL WATQUAL-WAG011037 CONFINED ANIMAL FEEDING OPERATION
Additional EPA Reports:					MyEnvironment Site Demographics Facility Coordinates Viewer Environmental Justice Map Viewer Watershed Report		
Standard Industrial Classification Codes (SIC)							
Data Source	SIC Code	Description	Primary				
WA-FSIS	0241	DAIRY FARMS					
Facility Codes and Flags				National Industry Classification System Codes (NAICS)			
EPA Region:		10		No NAICS Codes returned.			
Duns Number:							
Congressional District Number:		06					
Legislative District Number:		24					
HUC Code/Watershed:		17110019 / PUGET SOUND					
US Mexico Border Indicator:							
Federal Facility:		NO					
Tribal Land:		NO					
Alternative Names							
No Alternative Names returned.							
Organizations							
No Organizations returned.							



[Home/Tabular search](#)[Map search](#)[Data Reports](#)[Help](#)[Lookup values](#) ▼[Search](#) / FS ID 7539286 details

## FS ID: 7539286

[Map facility](#)[Print](#)

Maxar

Powered by Esri

### Valley View Dairy Chimacum

1720 Center Rd Chimacum WA 98325-9779

GIS latitude: Ecology region: Location description:

47.9753645221694 WRO

GIS longitude: County:

-122.771159749928 Person

Legislative

district:

24

Congressional

district:

6

WRIA:

17

Tribal land:

N



Alternate names ^

Also known as

VALLEY VIEW DAIRY

Alternate names

Interactions ^

Interaction	Interaction description	Ecology program	Ecology program contact	Program ID	Start date	End date
Dairy	Any farm licensed to produce milk under chapter 15.36 RCW. This definition is further restricted to include only those facilities that are producing bovine milk (as opposed to goat milk), and excludes other dairy related operations such as replacement heifer rearing farms. It should be noted that some dairies have more than one milking parlor and therefore have more than one license.	WATQUAL	(360) 407-6400		8/5/2002	
CAFO GP Combined	General permit issued to regulate operators of concentrated	WATQUAL		WAG011037	5/6/1999	1/1/2000



animal feeding  
operations that  
discharge to surface  
or groundwaters of  
the state.

Interactions for this facility/site

## [NAICS codes](#) ^

Code	Description
------	-------------

NAICS codes for this facility

## [SIC codes](#) ^

Code	Description
------	-------------

0241	DAIRY FARMS
------	-------------

241	LOGGING
-----	---------

SIC codes for this facility

[Ecology home](#)   [Ecology's facility/site website](#)   Version: 1.0.0.0

[Contact admin](#)   [Privacy notice](#)   [Accessibility](#)

Copyright © Washington State Department of Ecology



[Home/Tabular search](#)[Map search](#)[Data Reports](#)[Help](#)[Lookup values](#) ▼[Search](#) / FS ID 9590129 details

## FS ID: 9590129

[Map facility](#)[Print](#)

Maxar

Powered by Esri

### Valley View Dairy Compost

1594 Center Rd Quilcene WA 98325

GIS latitude: Ecology region: Location description:

47.987578937656WRO

GIS longitude: County:

-122.7717331530offerson

Legislative

district:

24

Congressional

district:

6

WRIA:

17

Tribal land:

N



Alternate names ^

Also known as

Valley View Dairy Compost

Alternate names

Interactions ^

Interaction	Interaction description	Ecology program	Ecology program contact	Program ID	Start date	End date
Composting	Compost facilities turn organic wastes into compost under controlled conditions without attracting pests or creating human or environmental health problems.	SOLIDWASTE	(360) 407-6409		1/1/1900	

Interactions for this facility/site

NAICS codes ^

Code	Description
------	-------------

NAICS codes for this facility

SIC codes ^

Code	Description
------	-------------

SIC codes for this facility



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# Jefferson County Assessor & Treasurer

## Property

### Account

Property ID:	21930	Abbreviated Legal Description:	S22 T29 R1W E1/2 SE LS TX 17 & 35 LS R/W SUBJ/CONS EASE EX#125752
Parcel # / Geo ID:	901224001	Agent Code:	
Type:	Real		
Tax Area:	0211 - 1-49F1E1H2L1	Land Use Code	83
Open Space:	Y	DFL	N
Historic Property:	N	Remodel Property:	N
Multi-Family Redevelopment:	N		
Township:	29N	Section:	22
Range:	1W		

### Location

Address:		Mapsc0:	215/022
Neighborhood:	S21, 22,& 23 T29N R1W; MCNEIL PARK; STEWARTS GRDN; FAWN MDOW	Map ID:	
Neighborhood CD:	4270		

### Owner


Name:	ROGER DEAN SHORT	Owner ID:	27307
Mailing Address:	SANDY S G SHORT 1720 CENTER RD CHIMACUM, WA 98325-9779	% Ownership:	100.0000000000%
		Exemptions:	

## Pay Tax Due

There is currently No Amount Due on this property.

## Taxes and Assessment Details

Property Tax Information as of 11/07/2022

Amount Due if Paid on:  **NOTE:** If you plan to submit payment on a future date, make sure you enter the date and click RECALCULATE to obtain the correct total amount due.

Click on "Statement Details" to expand or collapse a tax statement.

Year	Statement ID	First Half Base Amt.	Second Half Base Amt.	Penalty	Interest	Base Paid	Amount Due
▶ Statement Details							
2022	11508	\$90.87	\$90.78	\$0.00	\$0.00	\$181.65	\$0.00
▶ Statement Details							
2021	11537	\$94.06	\$93.95	\$0.00	\$0.00	\$188.01	\$0.00
▶ Statement Details							
2020	11568	\$94.15	\$94.05	\$0.00	\$0.00	\$188.20	\$0.00
▶ Statement Details							
2019	11593	\$94.44	\$94.37	\$0.00	\$0.00	\$188.81	\$0.00

## Values

(+) Improvement Homesite Value:	+	\$0	
(+) Improvement Non-Homesite Value:	+	\$2,916	
(+) Land Homesite Value:	+	\$0	
(+) Land Non-Homesite Value:	+	\$0	
(+) Curr Use (HS):	+	\$0	\$0
(+) Curr Use (NHS):	+	\$212,000	\$11,925
-----			
(=) Market Value:	=	\$214,916	
(-) Productivity Loss:	-	\$200,075	
-----			
(=) Subtotal:	=	\$14,841	



(+) Senior Appraised Value:	+	\$0
(+) Non-Senior Appraised Value:	+	\$14,841
<hr/>		
(=) Total Appraised Value:	=	\$14,841
(-) Senior Exemption Loss:	-	\$0
(-) Exemption Loss:	-	\$0
<hr/>		
(=) Taxable Value:	=	\$14,841

Taxing Jurisdiction

Owner: ROGER DEAN SHORT

% Ownership: 100.0000000000%

Total Value: N/A

Tax Area: 0211 - 1-49F1E1H2L1

Levy Code	Description	Levy Rate	Appraised Value	Taxable Value	Estimated Tax	
CE	COUNTY CURRENT EXPENSE	N/A	N/A	N/A	N/A	
CNTYDD	DEVELOPMENTAL DISABILITIES	N/A	N/A	N/A	N/A	
CNTYVET	VETERANS RELIEF	N/A	N/A	N/A	N/A	
MENTAL	MENTAL HEALTH	N/A	N/A	N/A	N/A	
ROADS	COUNTY ROADS	N/A	N/A	N/A	N/A	
ROADSCU	COUNTY ROADS TO CUR EXP	N/A	N/A	N/A	N/A	
HOS2BOND	HOSP DIST #2 GO BOND 2013 NON VOTED	N/A	N/A	N/A	N/A	
HOSP2CASH	HOSP DIST #2 GENERAL	N/A	N/A	N/A	N/A	
SCH49CP	SCHOOL DIST #49 CAP PROJ	N/A	N/A	N/A	N/A	
SCH49MO	SCHOOL DIST #49 EP & O	N/A	N/A	N/A	N/A	
CONSERVE	CONSERVATION FUTURES	N/A	N/A	N/A	N/A	
EMS1	FIRE DIST #1 EMS	N/A	N/A	N/A	N/A	
FD1	FIRE DIST #1 GENERAL	N/A	N/A	N/A	N/A	
LIB1	LIBRARY DIST #1 GENERAL	N/A	N/A	N/A	N/A	
PORTPT	PORT OF PT GENERAL	N/A	N/A	N/A	N/A	
PORTPTIDD	PORT OF PT IDD 2019	N/A	N/A	N/A	N/A	
PUD1	PUD #1 GENERAL	N/A	N/A	N/A	N/A	
STATE	STATE SCHOOL PART 1	N/A	N/A	N/A	N/A	
STATE2	STATE SCHOOL PART 2	N/A	N/A	N/A	N/A	
Total Tax Rate:		N/A				
					Taxes w/Current Exemptions:	N/A
					Taxes w/o Exemptions:	N/A

Improvement / Building

Improvement #1: Residential Bldg State Code: 19 0.0 sqft Value: \$2,916

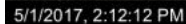
Type	Description	Class CD	Sub Class CD	Year Built	Area
OTHER	Other	3	*	0	0.0

Sketch



[illegible]



754998 125752 86/30/2016 14,245,008

Land

#	Type	Description	Acres	Sqft	Eff Front	Eff Depth	# Lots	Market Value	Prod. Value
1	4270-8775A		53.0000	2308680.00	0.00	0.00	0.00	\$212,000	\$11,925

## Roll Value History

Year	Improvements	Land Market	Current Use	Total Appraised	Taxable Value
2022	N/A	N/A	N/A	N/A	N/A
2021	\$2,700	\$165,625	\$11,925	\$14,625	\$14,625
2020	\$2,600	\$159,000	\$11,925	\$14,525	\$14,525
2019	\$2,300	\$145,750	\$11,925	\$14,225	\$14,225
2018	\$2,100	\$132,500	\$11,925	\$14,025	\$14,025

## Deed and Sales History

#	Deed Date	Type	Description	Grantor	Grantee	Volume	Page	Sale Price	Excise Number
1	06/30/2016	CONS EASE	CONSERVATION EASEMENT	ROGER DEAN SHORT	JEFFERSON LAND TRUST			\$800,000.00	125752
		21983			S23 T29 R1W TAX 33-BND BY BLA #124835 SUBJ/CONS EASE EX#125752				
		21989			S23 T29 R1W TAX 31-BND BY BLA#124835 SUBJ/CONS EASE EX#125752				
		21991			S23 T29 R1W S1/2 SW(BETWEEN CO RD & CREEK) LESS N 500' LESS R/W SUBJ/CONS EASE EX#125752				
		21992			S23 T29 R1W TAX 24 (ENGL BY TAX 25) W/EASE SUBJ/CONS EASE EX#125752				
		22081	2330 CENTER RD CHIMACUM, WA 98325		S26 T29 R1W NW1/4(LS PTNS E OF CO RD & W OF VALLEY RIDGELINE) SUBJ/CONS EASE EX#125752				



		22082	S26 T29 R1W NW1/4(W OF VALLEY RIDGELINE) SUBJ/CONS EASE EX#125752			
2	06/30/2016	SWD	Statutory Warranty Deed	VALLEY VIEW N&L FAM TRUST	ROGER DEAN SHORT	\$589,112.00 125751
		21983	S23 T29 R1W TAX 33-BND BY BLA #124835 SUBJ/CONS EASE EX#125752			
		21989	S23 T29 R1W TAX 31-BND BY BLA#124835 SUBJ/CONS EASE EX#125752			

## Payout Agreement

No payout information available..





Parcel Number **901224001**

11/07/2022

**Owner Mailing Address:**

ROGER DEAN SHORT  
SANDY S G SHORT  
1720 CENTER RD

CHIMACUM

WA  
98325-9779

**Site Address:**

Section: 22

Qtr Section: SE1/4

Township: 29N

Range: 1W

School District: Chimacum (49)

Fire District: EJFR (1)

Tax Status: Taxable

Tax Code: 0211

Planning Area: South Chimacum/Inland Valleys/Center (6)

Sewer:

Drainage:

Bank:

View 1:

View 2:

Zoning 1: AP-20 - Commercial Agriculture

Zoning 2:

Zoning 3: Appraiser: 19

Sub Division:

Assessor's Land Use Code: 8300 - Open Space Agricultural (A)  
1100 - Residential - Single Unit

**Property Description:**

S22 T29 R1W E1/2 SE LS TX 17 & 35 LS R/W SUBJ/CONS EASE EX#125752



Cases Associated with Parcel No: [901224001](#)

This may not be a complete listing of information that exists for this parcel. There may be other information pertinent to the property on file. Please contact the Department of Community Development for additional information.

Case Number	<a href="#">CAM2015-00389</a>
Description	Is BLA needed in Land Transfer
Last Name	SPAETH, JEFFERSON LAND TRUST
Received Date	7/15/2015 12:00:00 AM
Status	M
LaserFiche Links	<a href="#">View LaserFiche Documents</a>

Case Number	<a href="#">CAM2014-00561</a>
Description	Inquiry re: maximum development potential/cluster development for appraisal purposes
Last Name	HALBERG
Received Date	10/13/2014 4:17:10 PM
Status	M



# Jefferson County Assessor & Treasurer

## Property

### Account

Property ID:	21983	Abbreviated Legal Description:	S23 T29 R1W TAX 33-BND BY BLA #124835 SUBJ/CONS EASE EX#125752
Parcel # / Geo ID:	901233002	Agent Code:	
Type:	Real		
Tax Area:	0211 - 1-49F1E1H2L1	Land Use Code	83
Open Space:	Y	DFL	N
Historic Property:	N	Remodel Property:	N
Multi-Family Redevelopment:	N		
Township:	29N	Section:	23
Range:	1W		

### Location

Address:		Mapsc0:	216/043
Neighborhood:	S21, 22,& 23 T29N R1W; MCNEIL PARK; STEWARTS GRDN; FAWN MDOW	Map ID:	
Neighborhood CD:	4270		

### Owner


Name:	ROGER DEAN SHORT	Owner ID:	27307
Mailing Address:	SANDY S G SHORT 1720 CENTER RD CHIMACUM, WA 98325-9779	% Ownership:	100.0000000000%
		Exemptions:	

## Pay Tax Due

There is currently No Amount Due on this property.

## Taxes and Assessment Details

Property Tax Information as of 11/07/2022

Amount Due if Paid on:  **NOTE:** If you plan to submit payment on a future date, make sure you enter the date and click RECALCULATE to obtain the correct total amount due.

Click on "Statement Details" to expand or collapse a tax statement.

Year	Statement ID	First Half Base Amt.	Second Half Base Amt.	Penalty	Interest	Base Paid	Amount Due
▶ Statement Details							
2022	11561	\$668.20	\$668.12	\$0.00	\$0.00	\$1336.32	\$0.00
▶ Statement Details							
2021	11590	\$682.97	\$682.90	\$0.00	\$0.00	\$1365.87	\$0.00
▶ Statement Details							
2020	11621	\$639.41	\$639.33	\$0.00	\$0.00	\$1278.74	\$0.00
▶ Statement Details							
2019	11646	\$585.61	\$585.49	\$0.00	\$0.00	\$1171.10	\$0.00

## Values

(+) Improvement Homesite Value:	+	\$0	
(+) Improvement Non-Homesite Value:	+	\$21,271	
(+) Land Homesite Value:	+	\$70,000	
(+) Land Non-Homesite Value:	+	\$0	
(+) Curr Use (HS):	+	\$0	\$0
(+) Curr Use (NHS):	+	\$151,560	\$8,525
(=) Market Value:	=	\$242,831	
(-) Productivity Loss:	-	\$143,035	
(=) Subtotal:	=	\$99,796	



(+) Senior Appraised Value:	+	\$0
(+) Non-Senior Appraised Value:	+	\$99,796
<hr/>		
(=) Total Appraised Value:	=	\$99,796
(-) Senior Exemption Loss:	-	\$0
(-) Exemption Loss:	-	\$0
<hr/>		
(=) Taxable Value:	=	\$99,796

Taxing Jurisdiction

Owner: ROGER DEAN SHORT

% Ownership: 100.0000000000%

Total Value: N/A

Tax Area: 0211 - 1-49F1E1H2L1

Levy Code	Description	Levy Rate	Appraised Value	Taxable Value	Estimated Tax	
CE	COUNTY CURRENT EXPENSE	N/A	N/A	N/A	N/A	
CNTYDD	DEVELOPMENTAL DISABILITIES	N/A	N/A	N/A	N/A	
CNTYVET	VETERANS RELIEF	N/A	N/A	N/A	N/A	
MENTAL	MENTAL HEALTH	N/A	N/A	N/A	N/A	
ROADS	COUNTY ROADS	N/A	N/A	N/A	N/A	
ROADSCU	COUNTY ROADS TO CUR EXP	N/A	N/A	N/A	N/A	
HOS2BOND	HOSP DIST #2 GO BOND 2013 NON VOTED	N/A	N/A	N/A	N/A	
HOSP2CASH	HOSP DIST #2 GENERAL	N/A	N/A	N/A	N/A	
SCH49CP	SCHOOL DIST #49 CAP PROJ	N/A	N/A	N/A	N/A	
SCH49MO	SCHOOL DIST #49 EP & O	N/A	N/A	N/A	N/A	
CONSERVE	CONSERVATION FUTURES	N/A	N/A	N/A	N/A	
EMS1	FIRE DIST #1 EMS	N/A	N/A	N/A	N/A	
FD1	FIRE DIST #1 GENERAL	N/A	N/A	N/A	N/A	
LIB1	LIBRARY DIST #1 GENERAL	N/A	N/A	N/A	N/A	
PORTPT	PORT OF PT GENERAL	N/A	N/A	N/A	N/A	
PORTPTIDD	PORT OF PT IDD 2019	N/A	N/A	N/A	N/A	
PUD1	PUD #1 GENERAL	N/A	N/A	N/A	N/A	
STATE	STATE SCHOOL PART 1	N/A	N/A	N/A	N/A	
STATE2	STATE SCHOOL PART 2	N/A	N/A	N/A	N/A	
Total Tax Rate:		N/A				
					Taxes w/Current Exemptions:	N/A
					Taxes w/o Exemptions:	N/A

Improvement / Building

Improvement #1: Residential Bldg State Code: 98 0.0 sqft Value: \$21,271

Type	Description	Class CD	Sub Class CD	Year Built	Area
→ BARN	Barn (Table Not Dep)	1	*	1880	4924.0

Sketch







Revenue REAL ESTATE EXCISE TAX AFFIDAVIT

1. Taxpayer Name: [Name] 2. Property Address: [Address] 3. County: [County] 4. City: [City] 5. State: [State] 6. Zip: [Zip]

7. Total amount due: \$864.94

8. Signature: [Signature] 9. Date: [Date]

10. Notary Public: [Notary Name] 11. Notary Seal: [Notary Seal]

12. County Treasurer: [County Treasurer Name]

Revenue REAL ESTATE EXCISE TAX AFFIDAVIT

1. Taxpayer Name: [Name] 2. Property Address: [Address] 3. County: [County] 4. City: [City] 5. State: [State] 6. Zip: [Zip]

7. Total amount due: \$864.94

8. Signature: [Signature] 9. Date: [Date]

10. Notary Public: [Notary Name] 11. Notary Seal: [Notary Seal]

12. County Treasurer: [County Treasurer Name]

Revenue REAL ESTATE EXCISE TAX AFFIDAVIT

1. Taxpayer Name: [Name] 2. Property Address: [Address] 3. County: [County] 4. City: [City] 5. State: [State] 6. Zip: [Zip]

7. Total amount due: \$864.94

8. Signature: [Signature] 9. Date: [Date]

10. Notary Public: [Notary Name] 11. Notary Seal: [Notary Seal]

12. County Treasurer: [County Treasurer Name]



729229 124935 82/11/2016 10.000

ISSN 0022-0184/14/7503014-03\$12.00/0

784000 148780 64 070 0014 14 045 004





## Land

#	Type	Description	Acres	Sqft	Eff Front	Eff Depth	# Lots	Market Value	Prod. Value
1	4270-1375S		1.0000	43560.00	0.00	0.00	1.00	\$70,000	\$0
2	4270-8775A		37.8900	1650488.40	0.00	0.00	0.00	\$151,560	\$8,525

## Roll Value History

Year	Improvements	Land Market	Current Use	Total Appraised	Taxable Value
2022	N/A	N/A	N/A	N/A	N/A
2021	\$69,059	\$183,094	\$8,525	\$142,272	\$142,272
2020	\$66,502	\$175,770	\$8,525	\$137,127	\$137,127
2019	\$58,828	\$161,123	\$8,525	\$124,278	\$124,278
2018	\$53,713	\$146,475	\$8,525	\$113,988	\$113,988

## Deed and Sales History

#	Deed Date	Type	Description	Grantor	Grantee	Volume	Page	Sale Price
1	06/30/2016	CONS EASE	CONSERVATION EASEMENT	ROGER DEAN SHORT	JEFFERSON LAND TRUST			\$800,000.00
		21930			S22 T29 R1W E1/2 SE LS TX 17 & 35 LS R/W SUBJ/CONS EASE EX#125752			
		21989			S23 T29 R1W TAX 31-BND BY BLA#124835 SUBJ/CONS EASE EX#125752			
		21991			S23 T29 R1W S1/2 SW(BETWEEN CO RD & CREEK) LESS N 500' LESS R/W SUBJ/CONS EASE EX#125752			
		21992			S23 T29 R1W TAX 24 (ENGL BY TAX 25) W/EASE SUBJ/CONS EASE EX#125752			
		22081	2330 CENTER RD CHIMACUM, WA 98325	S26 T29 R1W NW1/4(LS PTNS E OF CO RD & W OF VALLEY RIDGELINE) SUBJ/CONS EASE EX#125752				
		22082			S26 T29 R1W NW1/4(W OF VALLEY RIDGELINE) SUBJ/CONS EASE EX#125752			
2	06/30/2016	SWD	Statutory Warranty Deed	VALLEY VIEW N&L FAM TRUST	ROGER DEAN SHORT			\$589,112.00
		21930			S22 T29 R1W E1/2 SE LS TX 17 & 35 LS R/W SUBJ/CONS EASE EX#125752			
		21989			S23 T29 R1W TAX 31-BND BY BLA#124835 SUBJ/CONS EASE EX#125752			
3	06/17/2014	QCD	Quit Claim Deed					
4	08/08/2014	QCD	Quit Claim Deed					
5	05/13/2014	QCD	Quit Claim Deed					
6	05/19/2014	QCD	Quit Claim Deed					
7	12/06/2000	QCD	Quit Claim Deed	VALLEY VIEW N & L FAMILY	BEMIS, NANCY/KELLY	0	0	\$0.00
8	12/06/2000	QCD	Quit Claim Deed	VALLEY VIEW N & L FAMILY	LEIGH, LINDA/JEFFREY	0	0	\$0.00
9	12/06/2000	QCD	Quit Claim Deed	VALLEY VIEW N & L FAMILY	SHORT, GARY/JANICE	0	0	\$0.00
10	12/06/2000	QCD	Quit Claim Deed	SHORT, NORRIS/LAURA	VALLEY VIEW N & L FAMILY TRUST	0	0	\$0.00
11	12/06/2000	QCD	Quit Claim Deed	VALLEY VIEW N&L FAMILY TR	MC INTIRE, SUSAN/WILLIAM	0	0	\$0.00
12	09/28/2000	QCD	Quit Claim Deed	VALLEY VIEW N & L FAMILY	MCINTIRE, SUSAN K/WILLIAM L	0	0	\$0.00

## Payout Agreement



No payout information available..





Parcel Number **901233002**

11/07/2022

**Owner Mailing Address:**

ROGER DEAN SHORT  
SANDY S G SHORT  
1720 CENTER RD

CHIMACUM

WA  
98325-9779

**Site Address:**

Section: **23**

Qtr Section: **SW1/4**

Township: **29N**

Range: **1W**

School District: **Chimacum (49)**

Fire District: **EJFR (1)**

Tax Status: **Taxable**

Tax Code: **0211**

Planning Area: **South Chimacum/Inland Valleys/Center (6)**

Sewer:

Drainage:

Bank:

View 1:

View 2:

Zoning 1: **AP-20 - Commercial Agriculture**

Zoning 2:

Zoning 3: **Appraiser: 19**

Sub Division:

Assessor's Land Use Code: **8300 - Open Space Agricultural (A)**  
**9800 - Garages, Outbuildings, Other Imps**

**Property Description:**

**S23 T29 R1W TAX 33-BND BY BLA #124835 SUBJ/CONS EASE EX#125752**



# Permit Case Summary

Case Number:  [Search](#) [Help](#)

Case Number:SEP1973-00268	<a href="#">Case Status:</a>	Date Received:1/17/1973				
Description:system decommissioned as of 10/25/2022	Date Issued:11/23/1973					
Applicant: VALLEY VIEW N&L FAM TRUST	Expiration Date:11/23/1976 12:00:00 AM					
Site Address:1584 CENTER RD	Case Finaled:					
Parcel No:901233002	<a href="#">Other Cases</a>	<a href="#">Parcel Data</a>	<a href="#">Map It</a>	<a href="#">More Details</a>	<a href="#">Parcels</a>	<a href="#">Images</a>

## Case Actions

Below is a list of actions that have been taken by staff for this permit case. They are sorted based on the date they were added to the database with most recent actions at the top. A value in the "Date Completed" field indicates that the action has been completed.

Description:	Decommission SEP sys "DCM"
Date Completed:	10/25/2022
Disposition:	DONE
Description:	Override - Parcel Holds
Date Completed:	11/1/2022
Disposition:	
Description:	Miscellaneous Action
Date Completed:	10/31/2022
Disposition:	DONE
Description:	Not finaled "N"
Date Completed:	3/9/2015
Disposition:	DONE
Description:	Issue permit no form "A"
Date Completed:	11/23/1973
Disposition:	DONE
Description:	Case Entered "P"
Date Completed:	3/9/2015



Disposition:



Site Search

Login

■ Site Information

Site Details

Contracts

Uploads

■ Site Work History

Service History

Application History

■ Submit Work

Application

SITE NAME:  
SITE ADDRESS: 1584 Center Rd, Chimacum WA  
OWNER:  
MANAGER:

Site Details

Map this Site

Site Name:

Tax/Assessor Number

Lot

901233002

Street#

PreDir

Street Name (name only)

Suffix

PostDir

Unit

1584

▼

Center Rd

▼

City

State

County

Chimacum

Washington

Jefferson

General Site Comments (Official Use Only - Viewable by All)

Use Type

Classification

Residential

▼

Single Family

▼

Discharge Type

Water System Type

Septic System

▼

▼

Assignment Area (Entity Specific)

▼

Site Category (Entity Specific)

▼

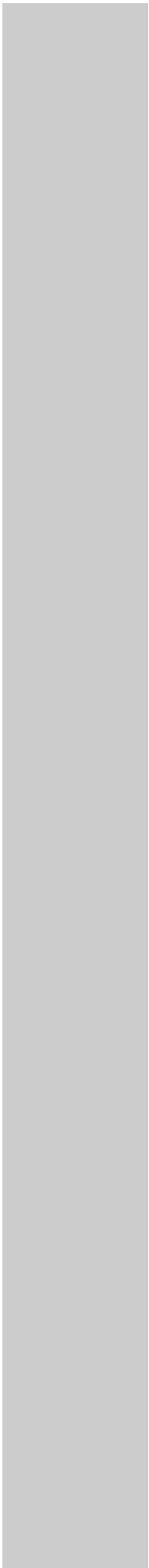
Associated LOSS/Cluster

Latitude

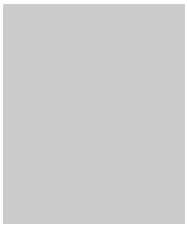
Longitude

ID	Entity	Entity Type
1880651	OnlineRME	
SOM1973-00268	Jefferson County Public Health	SEPTIC Regulator











Site Search

Login

■ Site Information

- Site Details
- Contracts
- Uploads

■ Site Work History

- Service History ▲
- Application History ▼

■ Submit Work

- Application

SITE NAME:

SITE ADDRESS: 1584 Center Rd, Chimacum WA

OWNER:

MANAGER:

Service History

To receive an email when a report is submitted click here

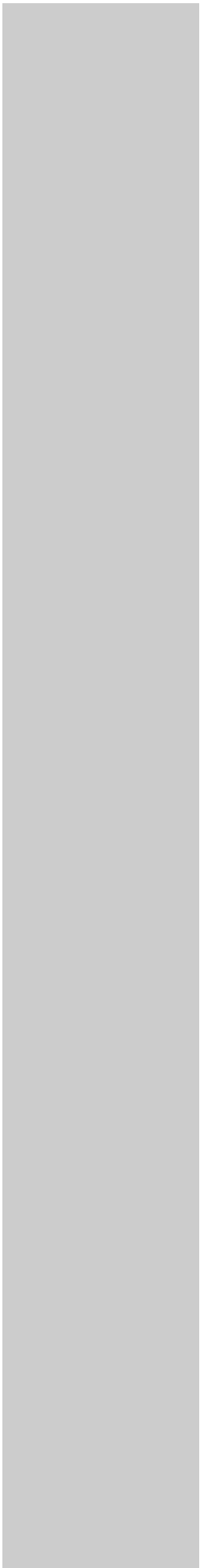


1

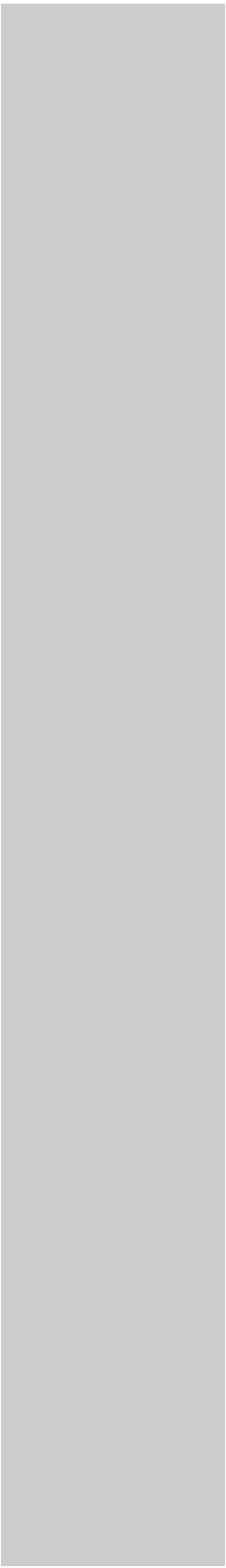
Date	Report Type	Type	Status	Company	Report	Email Report
08/12/22	PUMPING	PUMP	Deficient	Goodman, Inc.		

1











# TANK PUMPING REPORT

Site Name:

Location: 1584 Center Rd

Chimacum

Tax ID: 901233002

Use: Residential, Single Family

## Service Company:

Goodman, Inc.

2495 Cape George Rd

Port Townsend, WA 98368

360-385-7155

Serviced: 08/12/2022 by: John Hill

Submitted 09/06/2022 by: Doug Nebel

Dump Location: Bio-Recycling

Jurisdiction ID: SOM1973-00268

## COMMENTS

Old system attached to a burned down house.

### TANK: Septic Tank - 1 Compartment

Tank Pumped:	YES	
Tank Size (Gallons)(Number only, no text):	500	
Effluent level within operational limits (if NO explain in comments):	YES	
Total Gallons pumped from tank (Number only, no text):	500	
Effluent returning back into tank after pumping:	NO	
Tank depth below grade (inches):	0	
Access Risers installed to grade (N/A if not present):	N/A	
Access Risers securely fastened (N/A if no riser present):	N/A	
Tank Construction Material:	Concrete	
Tank Condition Good:	NO	Deficient
Roots or ground water observed leaking into the tank or around the risers:	NO	
Baffles in good condition (N/A if not present):	NO	Deficient
Effluent screen cleaned (N/A if not present):	N/A	
Effluent surfacing around site components (N/A if not checked):	NO	
Tank abandoned after pumping:	YES	
Were repairs made to the Tank or Tank Components? (if YES explain in comments):	NO	
Compartment 1 Scum accumulation (Inches, if other specify):	4	
Compartment 1 Sludge accumulation (Inches, if other specify):	24	
Drainfield was vacuumed or hydro-jetted? (If YES, explain in comments)	NO	

This report indicates certain characteristics of the onsite sewage system at the time of visit. In no way is this report a guarantee of operation or future performance.



# Permit Case Summary

Case Number:  [Search Help](#)

Case Number:SOM1973-00268	<a href="#">Case Status:</a>	Date Received:3/9/2015	
Description:system decommissioned as of 10/25/2022	Date Issued:		
Applicant: VALLEY VIEW N&L FAM TRUST	Expiration Date:		
Site Address:1584 CENTER RD	Case Finaled:		
Parcel No:901233002	<a href="#">Other Cases</a>	<a href="#">Parcel Data</a>	<a href="#">Map It</a>

## Case Actions

Below is a list of actions that have been taken by staff for this permit case. They are sorted based on the date they were added to the database with most recent actions at the top. A value in the "Date Completed" field indicates that the action has been completed.

Description:	System Decommissioned "DCM"
Date Completed:	10/25/2022
Disposition:	DONE
Description:	Misc. Conversation or email
Date Completed:	1/2/2020
Disposition:	DONE
Description:	Misc. Correspond. -letter
Date Completed:	12/19/2019
Disposition:	DONE
Description:	Misc. Correspond. -letter
Date Completed:	8/20/2019
Disposition:	DONE
Description:	Insp Required (1st Notice)(fm)
Date Completed:	3/22/2019
Disposition:	
Description:	Insp Required (1st Notice)
Date Completed:	9/11/2017
Disposition:	
Description:	Case Entered SEP Status "N"
Date Completed:	3/9/2015



Disposition:	DONE
--------------	------



Cases Associated with Parcel No: [901233002](#)

This may not be a complete listing of information that exists for this parcel. There may be other information pertinent to the property on file. Please contact the Department of Community Development for additional information.

[Parcel Tags](#)

Case Number	<a href="#">BLD2022-00581</a>
Description	DEMO- FIRE DAMAGED HOUSE
Last Name	SHORT
Received Date	10/11/2022 3:36:58 PM
Status	Approved

Case Number	<a href="#">FPA2616312</a>
Description	harvest 9 acres
Last Name	SHORT
Received Date	12/23/2019 12:00:00 AM
Status	Finaled

Case Number	<a href="#">SOM1973-00268</a>
Description	system decommissioned as of 10/25/2022
Last Name	VALLEY VIEW N&L FAM TRUST
Received Date	3/9/2015 10:34:53 AM
Status	DCM

Case Number	<a href="#">CAM2014-00561</a>
Description	Inquiry re: maximum development potential/cluster development for appraisal purposes
Last Name	HALBERG
Received Date	10/13/2014 4:17:10 PM
Status	M

Case Number	<a href="#">SUB2014-00009</a>
Description	BOUNDARY LINE ADJUSTMENT to create a more suitable building lot by decreasing the acreage for Parcel C



	from 5-acres to 3.1-acres and increase the size of Parcel B from 3.1 to 6-acres.
Last Name	VALLEY VIEW N&L FAM TRUST
Received Date	9/8/2014 4:49:04 PM
Status	Finaled
LaserFiche Links	<a href="#">View LaserFiche Documents</a>
Case Number	<a href="#">SUB2005-00012</a>
Description	BOUNDARY LINE ADJUSTMENT
Last Name	SHORT
Received Date	3/4/2005 12:00:00 AM
Status	E
LaserFiche Links	<a href="#">View LaserFiche Documents</a>
Case Number	<a href="#">SEP1973-00268</a>
Description	See SOM case for current septic system activity. system decommissioned as of 10/25/2022
Last Name	VALLEY VIEW N&L FAM TRUST
Received Date	1/17/1973 12:00:00 AM
Status	DCM
LaserFiche Links	<a href="#">View LaserFiche Documents</a>



# Jefferson County Assessor & Treasurer

## Property

### Account

Property ID:	21989	Abbreviated Legal Description:	S23 T29 R1W TAX 31-BND BY BLA#124835 SUBJ/CONS EASE EX#125752
Parcel # / Geo ID:	901233008	Agent Code:	
Type:	Real		
Tax Area:	0211 - 1-49F1E1H2L1	Land Use Code	83
Open Space:	Y	DFL	N
Historic Property:	N	Remodel Property:	N
Multi-Family Redevelopment:	N		
Township:	29N	Section:	23
Range:	1W		

### Location

Address:		Mapsc0:	216/041
Neighborhood:	S21, 22,& 23 T29N R1W; MCNEIL PARK; STEWARTS GRDN; FAWN MDOW	Map ID:	
Neighborhood CD:	4270		

### Owner


Name:	ROGER DEAN SHORT	Owner ID:	27307
Mailing Address:	SANDY S G SHORT 1720 CENTER RD CHIMACUM, WA 98325-9779	% Ownership:	100.0000000000%
		Exemptions:	

## Pay Tax Due

There is currently No Amount Due on this property.

## Taxes and Assessment Details

Property Tax Information as of 11/07/2022

Amount Due if Paid on:  **NOTE:** If you plan to submit payment on a future date, make sure you enter the date and click RECALCULATE to obtain the correct total amount due.

Click on "Statement Details" to expand or collapse a tax statement.

Year	Statement ID	First Half Base Amt.	Second Half Base Amt.	Penalty	Interest	Base Paid	Amount Due
▶ Statement Details							
2022	11567	\$45.50	\$0.00	\$0.00	\$0.00	\$45.50	\$0.00
▶ Statement Details							
2021	11596	\$45.27	\$0.00	\$0.00	\$0.00	\$45.27	\$0.00
▶ Statement Details							
2020	11627	\$44.67	\$0.00	\$0.00	\$0.00	\$44.67	\$0.00
▶ Statement Details							
2019	11652	\$44.55	\$0.00	\$0.00	\$0.00	\$44.55	\$0.00

## Values

(+) Improvement Homesite Value:	+	\$0	
(+) Improvement Non-Homesite Value:	+	\$0	
(+) Land Homesite Value:	+	\$0	
(+) Land Non-Homesite Value:	+	\$0	
(+) Curr Use (HS):	+	\$0	\$0
(+) Curr Use (NHS):	+	\$24,120	\$1,357
(=) Market Value:	=	\$24,120	
(-) Productivity Loss:	-	\$22,763	
(=) Subtotal:	=	\$1,357	



(+) Senior Appraised Value:	+	\$0
(+) Non-Senior Appraised Value:	+	\$1,357
<hr/>		
(=) Total Appraised Value:	=	\$1,357
(-) Senior Exemption Loss:	-	\$0
(-) Exemption Loss:	-	\$0
<hr/>		
(=) Taxable Value:	=	\$1,357

## Taxing Jurisdiction

Owner: ROGER DEAN SHORT  
 % Ownership: 100.000000000000%  
 Total Value: N/A  
 Tax Area: 0211 - 1-49F1E1H2L1

Levy Code	Description	Levy Rate	Appraised Value	Taxable Value	Estimated Tax
CE	COUNTY CURRENT EXPENSE	N/A	N/A	N/A	N/A
CNTYDD	DEVELOPMENTAL DISABILITIES	N/A	N/A	N/A	N/A
CNTYVET	VETERANS RELIEF	N/A	N/A	N/A	N/A
MENTAL	MENTAL HEALTH	N/A	N/A	N/A	N/A
ROADS	COUNTY ROADS	N/A	N/A	N/A	N/A
ROADSCU	COUNTY ROADS TO CUR EXP	N/A	N/A	N/A	N/A
HOS2BOND	HOSP DIST #2 GO BOND 2013 NON VOTED	N/A	N/A	N/A	N/A
HOSP2CASH	HOSP DIST #2 GENERAL	N/A	N/A	N/A	N/A
SCH49CP	SCHOOL DIST #49 CAP PROJ	N/A	N/A	N/A	N/A
SCH49MO	SCHOOL DIST #49 EP & O	N/A	N/A	N/A	N/A
CONSERVE	CONSERVATION FUTURES	N/A	N/A	N/A	N/A
EMS1	FIRE DIST #1 EMS	N/A	N/A	N/A	N/A
FD1	FIRE DIST #1 GENERAL	N/A	N/A	N/A	N/A
LIB1	LIBRARY DIST #1 GENERAL	N/A	N/A	N/A	N/A
PORTPT	PORT OF PT GENERAL	N/A	N/A	N/A	N/A
PORTPTIDD	PORT OF PT IDD 2019	N/A	N/A	N/A	N/A
PUD1	PUD #1 GENERAL	N/A	N/A	N/A	N/A
STATE	STATE SCHOOL PART 1	N/A	N/A	N/A	N/A
STATE2	STATE SCHOOL PART 2	N/A	N/A	N/A	N/A
Total Tax Rate:		N/A			
Taxes w/Current Exemptions:					N/A
Taxes w/o Exemptions:					N/A

## Improvement / Building

### Sketch

No sketches available for this property.

### Property Image

This property contains TIFF images. Click on the button(s) to download the full image (which may contain multiple pages).



[illegible]

### Roll Value History

#	Type	Description	Acres	Sqft	Eff Front	Eff Depth	# Lots	Market Value	Prod. Value
1	4270-8775A		6.0300	262666.80	0.00	0.00	0.00	\$24,120	\$1,357



Year	Improvements	Land Market	Current Use	Total Appraised	Taxable Value
2022	N/A	N/A	N/A	N/A	N/A
2021	\$0	\$18,844	\$1,357	\$1,357	\$1,357
2020	\$0	\$18,090	\$1,357	\$1,357	\$1,357
2019	\$0	\$16,583	\$1,357	\$1,357	\$1,357
2018	\$0	\$15,075	\$1,357	\$1,357	\$1,357

## Deed and Sales History

#	Deed Date	Type	Description	Grantor	Grantee	Volume	Page	Sale Price	Excise Number
1	06/30/2016	CONS EASE	CONSERVATION EASEMENT	ROGER DEAN SHORT	JEFFERSON LAND TRUST			\$800,000.00	125752
		21930			S22 T29 R1W E1/2 SE LS TX 17 & 35 LS R/W SUBJ/CONS EASE EX#125752				
		21983			S23 T29 R1W TAX 33-BND BY BLA #124835 SUBJ/CONS EASE EX#125752				
		21991			S23 T29 R1W S1/2 SW(BETWEEN CO RD & CREEK) LESS N 500' LESS R/W SUBJ/CONS EASE EX#125752				
		21992			S23 T29 R1W TAX 24 (ENGL BY TAX 25) W/EASE SUBJ/CONS EASE EX#125752				
		22081	2330 CENTER RD CHIMACUM, WA 98325		S26 T29 R1W NW1/4(LS PTNS E OF CO RD & W OF VALLEY RIDGELINE) SUBJ/CONS EASE EX#125752				
		22082			S26 T29 R1W NW1/4(W OF VALLEY RIDGELINE) SUBJ/CONS EASE EX#125752				
2	06/30/2016	SWD	Statutory Warranty Deed	VALLEY VIEW N&L FAM TRUST	ROGER DEAN SHORT			\$589,112.00	125751
		21930			S22 T29 R1W E1/2 SE LS TX 17 & 35 LS R/W SUBJ/CONS EASE EX#125752				
		21983			S23 T29 R1W TAX 33-BND BY BLA #124835 SUBJ/CONS EASE EX#125752				

## Payout Agreement

No payout information available..





Parcel Number **901233008**

11/07/2022

**Owner Mailing Address:**

ROGER DEAN SHORT  
SANDY S G SHORT  
1720 CENTER RD

CHIMACUM

WA  
98325-9779

**Site Address:**

Section: **23**

Qtr Section: **SW1/4**

Township: **29N**

Range: **1W**

School District: **Chimacum (49)**

Fire District: **EJFR (1)**

Tax Status: **Taxable**

Tax Code: **0211**

Planning Area: **South Chimacum/Inland Valleys/Center (6)**

Sewer:

Drainage:

Bank:

View 1:

View 2:

Zoning 1: **AP-20 - Commercial Agriculture**

Zoning 2:

Zoning 3: **Appraiser: 19**

Sub Division:

Assessor's Land Use Code: **8300 - Open Space Agricultural (A)**  
**9100 - Vacant Land**

**Property Description:**

**S23 T29 R1W TAX 31-BND BY BLA#124835 SUBJ/CONS EASE EX#125752**



Cases Associated with Parcel No: [901233008](#)

This may not be a complete listing of information that exists for this parcel. There may be other information pertinent to the property on file. Please contact the Department of Community Development for additional information.

Case Number	<a href="#">CAM2014-00561</a>
Description	Inquiry re: maximum development potential/cluster development for appraisal purposes
Last Name	HALBERG
Received Date	10/13/2014 4:17:10 PM
Status	M

Case Number	<a href="#">SUB2014-00009</a>
Description	BOUNDARY LINE ADJUSTMENT to create a more suitable building lot by decreasing the acreage for Parcel C from 5-acres to 3.1-acres and increase the size of Parcel B from 3.1 to 6-acres.
Last Name	VALLEY VIEW N&L FAM TRUST
Received Date	9/8/2014 4:49:04 PM
Status	Finaled



# Jefferson County Assessor & Treasurer

## Property

### Account

Property ID:	21991	Abbreviated Legal Description:	S23 T29 R1W S1/2 SW(BETWEEN CO RD & CREEK) LESS N 500' LESS R/W SUBJ/CONS EASE EX#125752
Parcel # / Geo ID:	901233010	Agent Code:	
Type:	Real		
Tax Area:	0211 - 1-49F1E1H2L1	Land Use Code	83
Open Space:	Y	DFL	N
Historic Property:	N	Remodel Property:	N
Multi-Family Redevelopment:	N		
Township:	29N	Section:	23
Range:	1W		

### Location

Address:		Mapscot:	216/009
Neighborhood:	S21, 22,& 23 T29N R1W; MCNEIL PARK; STEWARTS GRDN; FAWN MDOW	Map ID:	
Neighborhood CD:	4270		

### Owner


Name:	ROGER DEAN SHORT	Owner ID:	27307
Mailing Address:	SANDY S G SHORT 1720 CENTER RD CHIMACUM, WA 98325-9779	% Ownership:	100.0000000000%
		Exemptions:	

## Pay Tax Due

There is currently No Amount Due on this property.

## Taxes and Assessment Details

Property Tax Information as of 11/07/2022

Amount Due if Paid on:  NOTE: If you plan to submit payment on a future date, make sure you enter the date and click RECALCULATE to obtain the correct total amount due.

Click on "Statement Details" to expand or collapse a tax statement.

Year	Statement ID	First Half Base Amt.	Second Half Base Amt.	Penalty	Interest	Base Paid	Amount Due
▶ Statement Details							
2022	11569	\$617.36	\$617.23	\$0.00	\$0.00	\$1234.59	\$0.00
▶ Statement Details							
2021	11598	\$630.73	\$630.61	\$0.00	\$0.00	\$1261.34	\$0.00
▶ Statement Details							
2020	11629	\$581.81	\$581.69	\$0.00	\$0.00	\$1163.50	\$0.00
▶ Statement Details							
2019	11654	\$531.47	\$531.38	\$0.00	\$0.00	\$1062.85	\$0.00

## Values

(+) Improvement Homesite Value:	+	\$0	
(+) Improvement Non-Homesite Value:	+	\$118,216	
(+) Land Homesite Value:	+	\$0	
(+) Land Non-Homesite Value:	+	\$20,000	
(+) Curr Use (HS):	+	\$0	\$0
(+) Curr Use (NHS):	+	\$114,020	\$3,528
-----			
(=) Market Value:	=	\$252,236	
(-) Productivity Loss:	-	\$110,492	
-----			



(=) Subtotal:	=	\$141,744
(+) Senior Appraised Value:	+	\$0
(+) Non-Senior Appraised Value:	+	\$141,744
<hr/>		
(=) Total Appraised Value:	=	\$141,744
(-) Senior Exemption Loss:	-	\$0
(-) Exemption Loss:	-	\$0
<hr/>		
(=) Taxable Value:	=	\$141,744

## Taxing Jurisdiction

Owner: ROGER DEAN SHORT  
 % Ownership: 100.000000000000%  
 Total Value: N/A  
 Tax Area: 0211 - 1-49F1E1H2L1

Levy Code	Description	Levy Rate	Appraised Value	Taxable Value	Estimated Tax
CE	COUNTY CURRENT EXPENSE	N/A	N/A	N/A	N/A
CNTYDD	DEVELOPMENTAL DISABILITIES	N/A	N/A	N/A	N/A
CNTYVET	VETERANS RELIEF	N/A	N/A	N/A	N/A
MENTAL	MENTAL HEALTH	N/A	N/A	N/A	N/A
ROADS	COUNTY ROADS	N/A	N/A	N/A	N/A
ROADSCU	COUNTY ROADS TO CUR EXP	N/A	N/A	N/A	N/A
HOS2BOND	HOSP DIST #2 GO BOND 2013 NON VOTED	N/A	N/A	N/A	N/A
HOSP2CASH	HOSP DIST #2 GENERAL	N/A	N/A	N/A	N/A
SCH49CP	SCHOOL DIST #49 CAP PROJ	N/A	N/A	N/A	N/A
SCH49MO	SCHOOL DIST #49 EP & O	N/A	N/A	N/A	N/A
CONSERVE	CONSERVATION FUTURES	N/A	N/A	N/A	N/A
EMS1	FIRE DIST #1 EMS	N/A	N/A	N/A	N/A
FD1	FIRE DIST #1 GENERAL	N/A	N/A	N/A	N/A
LIB1	LIBRARY DIST #1 GENERAL	N/A	N/A	N/A	N/A
PORTPT	PORT OF PT GENERAL	N/A	N/A	N/A	N/A
PORTPTIDD	PORT OF PT IDD 2019	N/A	N/A	N/A	N/A
PUD1	PUD #1 GENERAL	N/A	N/A	N/A	N/A
STATE	STATE SCHOOL PART 1	N/A	N/A	N/A	N/A
STATE2	STATE SCHOOL PART 2	N/A	N/A	N/A	N/A
Total Tax Rate:		N/A			
Taxes w/Current Exemptions:					N/A
Taxes w/o Exemptions:					N/A

## Improvement / Building

**Improvement #1:** Residential Bldg **State Code:** 83 **1498.0 sqft** **Value:** \$118,216

Exterior Wall: PL/T1 Fireplace: WD ST-AVG

Floor Construction: FRAME Foundation: PO&BL

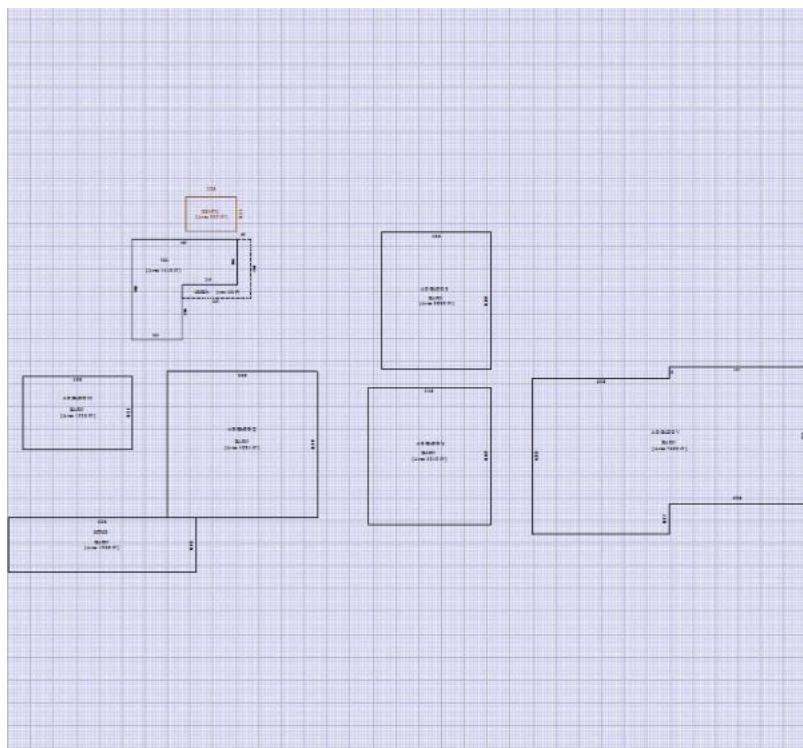
Heating/Cooling: HPUMP Inside Verify: YES-FIX

Roof Cover: METAL

Type	Description	Class CD	Sub Class CD	Year Built	Area
→ MA	Main Area	2-	1S	1944	1498.0
→ HDECK	House Deck	2	*	1944	252.0
→ BARN	Barn (Table Not Dep)	1	*	1944	21528.0
→ BSMTU	House basement unfinished	1	*	1944	320.0

## Sketch





## Property Image

This property contains TIFF images. Click on the button(s) to download the full image (which may contain multiple pages).

[illegible]





**Revenue**  
**REAL ESTATE EXCISE TAX AFFIDAVIT** (REV 10/14) (WAC 430-414)

This form is your record of the transaction and is not to be used for any other purpose. It is not to be used for any other purpose. It is not to be used for any other purpose.

1. Seller's name: **Roger D. Short**  
2. Buyer's name: **Roger D. Short**  
3. Property address: **1720 Center Road, Chocomaun, Washington 98025**  
4. Legal description: **1/2 of Section 34, Township 25N, Range 23E, Section 26, T25N, R23E, S26**  
5. Date of conveyance: **01/24/2020**  
6. Date of recording: **01/24/2020**  
7. County: **Franklin**  
8. Assessor's map: **18111**  
9. Assessor's parcel number: **0101630000**  
10. Assessor's market value: **165,429**  
11. Assessor's assessed value: **165,429**  
12. Assessor's tax rate: **0.0012**  
13. Assessor's tax amount: **1.9851**  
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100. Assessor's tax amount: **1.9851**

**Revenue**  
**Real Estate Excise Tax Affidavit** (REV 10/14) (WAC 430-414)

This form is your record of the transaction and is not to be used for any other purpose. It is not to be used for any other purpose. It is not to be used for any other purpose.

1. Seller's name: **Roger D. Short**  
2. Buyer's name: **Roger D. Short**  
3. Property address: **1720 Center Road, Chocomaun, Washington 98025**  
4. Legal description: **1/2 of Section 34, Township 25N, Range 23E, Section 26, T25N, R23E, S26**  
5. Date of conveyance: **01/24/2020**  
6. Date of recording: **01/24/2020**  
7. County: **Franklin**  
8. Assessor's map: **18111**  
9. Assessor's parcel number: **0101630000**  
10. Assessor's market value: **165,429**  
11. Assessor's assessed value: **165,429**  
12. Assessor's tax rate: **0.0012**  
13. Assessor's tax amount: **1.9851**  
14. Assessor's tax amount: **1.9851**  
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100. Assessor's tax amount: **1.9851**

## Land

#	Type	Description	Acres	Sqft	Eff Front	Eff Depth	# Lots	Market Value	Prod. Value
1	4270-1375S		1.0000	43560.00	0.00	0.00	1.00	\$50,000	\$236
2	4270-8775A		11.8800	517492.80	0.00	0.00	0.00	\$47,520	\$2,673



3	9810	1.0000	43560.00	0.00	0.00	1.00	\$20,000	\$0
4	1775A	2.7500	119790.00	0.00	0.00	0.00	\$16,500	\$619

## Roll Value History

Year	Improvements	Land Market	Current Use	Total Appraised	Taxable Value
2022	N/A	N/A	N/A	N/A	N/A
2021	\$109,459	\$119,001	\$3,528	\$131,737	\$131,737
2020	\$105,405	\$114,240	\$3,528	\$126,933	\$126,933
2019	\$93,243	\$104,720	\$3,528	\$113,271	\$113,271
2018	\$85,135	\$95,200	\$3,528	\$103,663	\$103,663

## Deed and Sales History

#	Deed Date	Type	Description	Grantor	Grantee	Volume	Page	Sale Price	Excise Number	D N
1	01/24/2020	QCD	Quit Claim Deed						136257	
2	01/24/2020	QCD	Quit Claim Deed	ROGER D SHORT	ROGER DEAN SHORT				133858	
3	06/30/2016	CONS EASE	CONSERVATION EASEMENT	ROGER D SHORT	JEFFERSON LAND TRUST			\$800,000.00	125752	
		21930			S22 T29 R1W E1/2 SE LS TX 17 & 35 LS R/W SUBJ/CONS EASE EX#125752					
		21983			S23 T29 R1W TAX 33-BND BY BLA #124835 SUBJ/CONS EASE EX#125752					
		21989			S23 T29 R1W TAX 31-BND BY BLA#124835 SUBJ/CONS EASE EX#125752					
		21992			S23 T29 R1W TAX 24 (ENGL BY TAX 25) W/EASE SUBJ/CONS EASE EX#125752					
		22081	2330 CENTER RD CHIMACUM, WA 98325		S26 T29 R1W NW1/4(LS PTNS E OF CO RD & W OF VALLEY RIDGELINE) SUBJ/CONS EASE EX#1					
		22082			S26 T29 R1W NW1/4(W OF VALLEY RIDGELINE) SUBJ/CONS EASE EX#125752					

## Payout Agreement

No payout information available..





Parcel Number **901233010**

11/07/2022

**Owner Mailing Address:**

ROGER DEAN SHORT  
SANDY S G SHORT  
1720 CENTER RD

CHIMACUM

WA  
98325-9779

**Site Address:**

Section: **23**

Qtr Section: **SW1/4**

Township: **29N**

Range: **1W**

School District: **Chimacum (49)**

Fire District: **EJFR (1)**

Tax Status: **Taxable**

Tax Code: **0211**

Planning Area: **South Chimacum/Inland Valleys/Center (6)**

Sewer:

Drainage:

Bank:

View 1: **VIEW - Territorial**

View 2:

Zoning 1: **AP-20 - Commercial Agriculture**

Zoning 2:

Zoning 3: **Appraiser: 19**

Sub Division:

Assessor's Land Use Code: **8300 - Open Space Agricultural (A)**  
**1100 - Residential - Single Unit**

**Property Description:**

**S23 T29 R1W S1/2 SW(BETWEEN CO RD & CREEK) LESS N 500' LESS R/W SUBJ/CONS EASE EX#125752**



# Permit Case Summary

Case Number:  [Search](#) [Help](#)

Case Number:SEP1985-00177	<a href="#">Case Status:</a>	Date Received:11/22/1985				
Description:serves milking parlor only	Date Issued:12/14/1985					
Applicant:ROGER SHORT	Expiration Date:12/14/1988 12:00:00 AM					
Site Address:1720 WEST VALLEY RD	Case Finaled:					
Parcel No:901233010	<a href="#">Other Cases</a>	<a href="#">Parcel Data</a>	<a href="#">Map It</a>	<a href="#">More Details</a>	<a href="#">Parcels</a>	<a href="#">Images</a>

## Case Actions

Below is a list of actions that have been taken by staff for this permit case. They are sorted based on the date they were added to the database with most recent actions at the top. A value in the "Date Completed" field indicates that the action has been completed.

Description:	Not finaled "N"
Date Completed:	4/8/1986
Disposition:	DONE
Description:	Issue permit no form
Date Completed:	12/14/1985
Disposition:	DONE
Description:	Case Entered
Date Completed:	10/12/2004
Disposition:	



Site Search

Login

■ Site Information

- Site Details
- Contracts
- Uploads

■ Site Work History

- Service History
- Application History

■ Submit Work

Application

SITE NAME: serves milking parlor  
SITE ADDRESS: 1720 Center Rd, Chimacum WA  
OWNER: ROGER SHORT  
MANAGER:

Site Details

Map this Site

Site Name:

Tax/Assessor Number

Lot

serves milking parlor

901233010

Street#

PreDir

Street Name (name only)

Suffix

PostDir

Unit

1720

▼

Center

Rd

▼

City

State

County

Chimacum

Washington

Jefferson

General Site Comments (Official Use Only - Viewable by All)

Use Type

Classification

Commercial

▼

Other

▼

Discharge Type

Water System Type

▼

▼

Assignment Area (Entity Specific)

▼

Site Category (Entity Specific)

▼

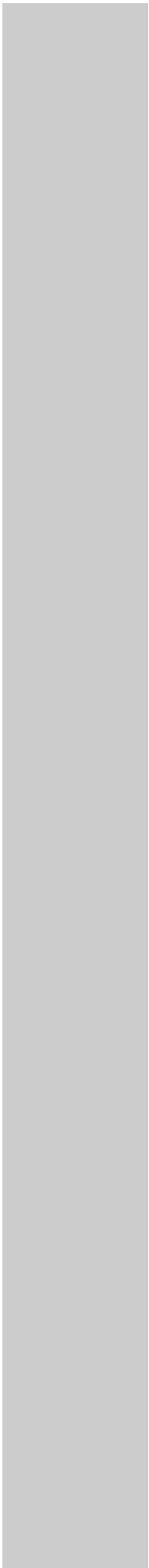
Associated LOSS/Cluster

Latitude

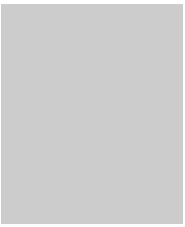
Longitude

ID	Entity	Entity Type
518292	OnlineRME	
SOM1985-00177	Jefferson County Public Health	SEPTIC Regulator











Site Search

[Login](#)

■ Site Information

Site Details

Contracts

Uploads

■ Site Work History

Service History

Application History

■ Submit Work

Application

SITE NAME: serves milking parlor  
SITE ADDRESS: 1720 Center Rd, Chimacum WA  
OWNER: ROGER SHORT  
MANAGER:

Service History

To receive an email when a report is submitted click here

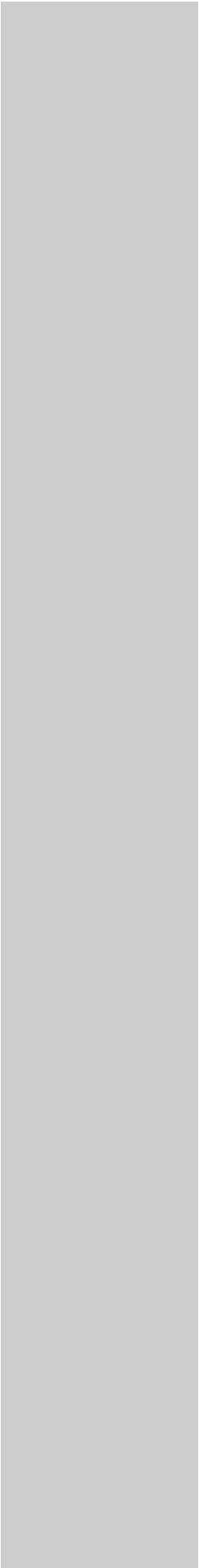


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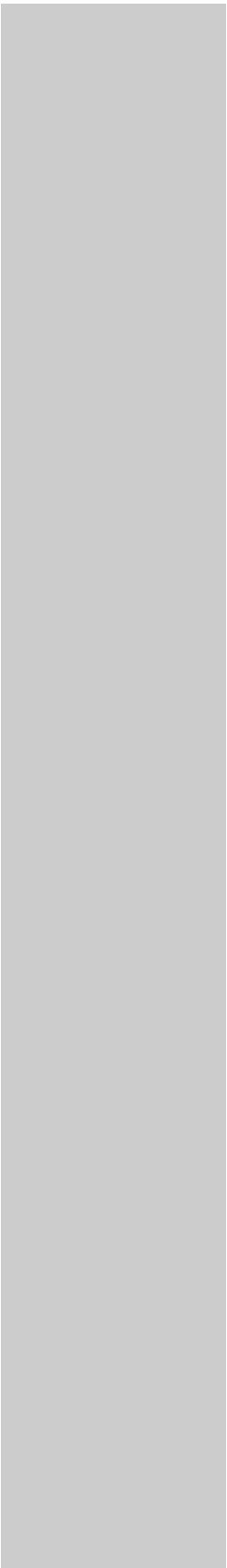
<u>Date</u>	<u>Report Type</u>	<u>Type</u>	<u>Status</u>	<u>Company</u>	<u>Report</u>	<u>Email Report</u>
06/24/20	PUMPING	PUMP	OK	Goodman, Inc.		

1











## TANK PUMPING REPORT

Site Name: serves milking parlor

Location: 1720 Center Rd

Chimacum

Tax ID: 901233010

Use: Commercial, Other

### Service Company:

Goodman, Inc.

2495 Cape George Rd

Port Townsend, WA 98368

360-385-7155

Serviced: 06/24/2020 by: Justin Carpenter

Submitted 08/12/2020 by: Krysta Cartmel

Dump Location: Bio-Recycling

Jurisdiction ID: SOM1985-00177

### COMMENTS

#### TANK: Septic Tank - 1 Compartment

Tank Pumped:	YES	
Tank Size (Gallons)(Number only, no text):	500	
Effluent level within operational limits (if NO explain in comments):	YES	
Total Gallons pumped from tank (Number only, no text):	500	
Effluent returning back into tank after pumping:	NO	
Tank depth below grade (inches):	6	
Access Risers installed to grade (N/A if not present):	YES	
Access Risers securely fastened (N/A if no riser present):	YES	
Tank Construction Material:	Concrete	
Tank Condition Good:	YES	
Roots or ground water observed leaking into the tank or around the risers:	NO	
Baffles in good condition (N/A if not present):	YES	
Effluent screen cleaned (N/A if not present):	N/A	
Effluent surfacing around site components (N/A if not checked):	NO	
Tank abandoned after pumping:	NO	
Were repairs made to the Tank or Tank Components? (if YES explain in comments):	NO	
Compartment 1 Scum accumulation (Inches, if other specify):	20	
Compartment 1 Sludge accumulation (Inches, if other specify):	10	
Drainfield was vacuumed or hydro-jetted? (If YES, explain in comments)	NO	



# Permit Case Summary

Case Number:  [Search Help](#)

Case Number:SOM1985-00177	<a href="#">Case Status:</a>	Date Received:
Description:serves milking parlor only	Date Issued:	
Applicant:ROGER SHORT	Expiration Date:	
Site Address:1720 CENTER RD	Case Finaled:	
Parcel No:901233010	<a href="#">Other Cases</a>	<a href="#">Parcel Data</a> <a href="#">Map It</a>

## Case Actions

Below is a list of actions that have been taken by staff for this permit case. They are sorted based on the date they were added to the database with most recent actions at the top. A value in the "Date Completed" field indicates that the action has been completed.

Description:	Insp Required (1st Notice)(fm)
Date Completed:	2/18/2020
Disposition:	
Description:	Misc. Conversation or email
Date Completed:	1/2/2020
Disposition:	DONE
Description:	Misc. Correspond. -letter
Date Completed:	12/19/2019
Disposition:	DONE



Cases Associated with Parcel No: [901233010](#)

This may not be a complete listing of information that exists for this parcel. There may be other information pertinent to the property on file. Please contact the Department of Community Development for additional information.

[Parcel Tags](#)

Case Number	<a href="#">FPA2616312</a>
Description	harvest 9 acres
Last Name	SHORT
Received Date	12/23/2019 12:00:00 AM
Status	Finaled

Case Number	<a href="#">SWF2016-00001</a>
Description	Short's Family Farm (formerly Valley View Dairy)
Last Name	SHORT
Received Date	5/4/2016 9:59:26 AM
Status	Pending

Case Number	<a href="#">CAM2014-00561</a>
Description	Inquiry re: maximum development potential/cluster development for appraisal purposes
Last Name	HALBERG
Received Date	10/13/2014 4:17:10 PM
Status	M

Case Number	<a href="#">PRE2004-00009</a>
Description	WENT TO ARCHIVES 3/7/06 Milk Processing Facility.
Last Name	SHORT
Received Date	3/29/2004 12:00:00 AM
Status	Finaled

Case Number	<a href="#">ZON2003-00064</a>
Description	Consistency Review, no fees, see PRE03-00037
Last Name	SHORT
Received Date	11/3/2003 12:00:00 AM



Status	Finaled
Case Number	<a href="#">PRE2003-00037</a>
Description	Take ground yard waste from PT Compost to use as bulking material for composting of dairy manure. There is no new or additional building, or concrete. No Jefferson County permit required.
Last Name	SHORT
Received Date	10/16/2003 12:00:00 AM
Status	Finaled
Case Number	<a href="#">SEP1985-00177</a>
Description	See SOM case for current septic system activity.
Last Name	SHORT
Received Date	11/22/1985 12:00:00 AM
Status	N
LaserFiche Links	<a href="#">View LaserFiche Documents</a>
Case Number	<a href="#">SOM1985-00177</a>
Description	serves milking parlor only
Last Name	SHORT
Received Date	
Status	ANF



# Jefferson County Assessor & Treasurer

## Property

### Account

Property ID:	21992	Abbreviated Legal Description:	S23 T29 R1W TAX 24 (ENGL BY TAX 25) W/EASE SUBJ/CONS EASE EX#125752
Parcel # / Geo ID:	901233011	Agent Code:	
Type:	Real		
Tax Area:	0211 - 1-49F1E1H2L1	Land Use Code	83
Open Space:	Y	DFL	N
Historic Property:	N	Remodel Property:	N
Multi-Family Redevelopment:	N		
Township:	29N	Section:	23
Range:	1W		

### Location

Address:		Mapsc0:	216/033
Neighborhood:	S21, 22,& 23 T29N R1W; MCNEIL PARK; STEWARTS GRDN; FAWN MDOW	Map ID:	
Neighborhood CD:	4270		

### Owner


Name:	ROGER DEAN SHORT	Owner ID:	27307
Mailing Address:	SANDY S G SHORT 1720 CENTER RD CHIMACUM, WA 98325-9779	% Ownership:	100.0000000000%
		Exemptions:	

## Pay Tax Due

There is currently No Amount Due on this property.

## Taxes and Assessment Details

Property Tax Information as of 11/07/2022

Amount Due if Paid on:  **NOTE:** If you plan to submit payment on a future date, make sure you enter the date and click RECALCULATE to obtain the correct total amount due.

Click on "Statement Details" to expand or collapse a tax statement.

Year	Statement ID	First Half Base Amt.	Second Half Base Amt.	Penalty	Interest	Base Paid	Amount Due
▶ Statement Details							
2022	11570	\$52.22	\$52.10	\$0.00	\$0.00	\$104.32	\$0.00
▶ Statement Details							
2021	11599	\$53.64	\$53.52	\$0.00	\$0.00	\$107.16	\$0.00
▶ Statement Details							
2020	11630	\$54.08	\$53.99	\$0.00	\$0.00	\$108.07	\$0.00
▶ Statement Details							
2019	11655	\$53.82	\$53.73	\$0.00	\$0.00	\$107.55	\$0.00

## Values

(+) Improvement Homesite Value:	+	\$0	
(+) Improvement Non-Homesite Value:	+	\$0	
(+) Land Homesite Value:	+	\$0	
(+) Land Non-Homesite Value:	+	\$0	
(+) Curr Use (HS):	+	\$0	\$0
(+) Curr Use (NHS):	+	\$121,240	\$6,820
(=) Market Value:	=	\$121,240	
(-) Productivity Loss:	-	\$114,420	
(=) Subtotal:	=	\$6,820	



(+) Senior Appraised Value:	+	\$0
(+) Non-Senior Appraised Value:	+	\$6,820
<hr/>		
(=) Total Appraised Value:	=	\$6,820
(-) Senior Exemption Loss:	-	\$0
(-) Exemption Loss:	-	\$0
<hr/>		
(=) Taxable Value:	=	\$6,820

## Taxing Jurisdiction

Owner: ROGER DEAN SHORT  
 % Ownership: 100.000000000000%  
 Total Value: N/A  
 Tax Area: 0211 - 1-49F1E1H2L1

Levy Code	Description	Levy Rate	Appraised Value	Taxable Value	Estimated Tax
CE	COUNTY CURRENT EXPENSE	N/A	N/A	N/A	N/A
CNTYDD	DEVELOPMENTAL DISABILITIES	N/A	N/A	N/A	N/A
CNTYVET	VETERANS RELIEF	N/A	N/A	N/A	N/A
MENTAL	MENTAL HEALTH	N/A	N/A	N/A	N/A
ROADS	COUNTY ROADS	N/A	N/A	N/A	N/A
ROADSCU	COUNTY ROADS TO CUR EXP	N/A	N/A	N/A	N/A
HOS2BOND	HOSP DIST #2 GO BOND 2013 NON VOTED	N/A	N/A	N/A	N/A
HOSP2CASH	HOSP DIST #2 GENERAL	N/A	N/A	N/A	N/A
SCH49CP	SCHOOL DIST #49 CAP PROJ	N/A	N/A	N/A	N/A
SCH49MO	SCHOOL DIST #49 EP & O	N/A	N/A	N/A	N/A
CONSERVE	CONSERVATION FUTURES	N/A	N/A	N/A	N/A
EMS1	FIRE DIST #1 EMS	N/A	N/A	N/A	N/A
FD1	FIRE DIST #1 GENERAL	N/A	N/A	N/A	N/A
LIB1	LIBRARY DIST #1 GENERAL	N/A	N/A	N/A	N/A
PORTPT	PORT OF PT GENERAL	N/A	N/A	N/A	N/A
PORTPTIDD	PORT OF PT IDD 2019	N/A	N/A	N/A	N/A
PUD1	PUD #1 GENERAL	N/A	N/A	N/A	N/A
STATE	STATE SCHOOL PART 1	N/A	N/A	N/A	N/A
STATE2	STATE SCHOOL PART 2	N/A	N/A	N/A	N/A
Total Tax Rate:		N/A			
Taxes w/Current Exemptions:					N/A
Taxes w/o Exemptions:					N/A

## Improvement / Building

### Sketch

No sketches available for this property.

### Property Image

This property contains TIFF images. Click on the button(s) to download the full image (which may contain multiple pages).



**REAL ESTATE EXCISE TAX AFFIDAVIT**

THIS FORM IS REQUIRED FOR ALL REAL ESTATE EXCISE TAX PURPOSES. IT IS NOT TO BE USED FOR ANY OTHER PURPOSE. IT IS THE RESPONSIBILITY OF THE SELLER TO COMPLETE THIS FORM AND PROVIDE THE NECESSARY INFORMATION. THE BUYER SHALL REVIEW THIS FORM AND SIGN IT TO ACCEPT THE INFORMATION PROVIDED BY THE SELLER. THE SELLER SHALL SIGN THIS FORM AND PROVIDE THE NECESSARY INFORMATION. THE BUYER SHALL REVIEW THIS FORM AND SIGN IT TO ACCEPT THE INFORMATION PROVIDED BY THE SELLER.

**THIS AFFIDAVIT WILL NOT BE ACCEPTED UNLESS ALL AREAS ARE FULLY COMPLETED.**

**1. Seller's Name:** John & Mary Smith

**2. Seller's Address:** 1234 Main Street, Apt. 100, Chicago, IL 60601

**3. Seller's Phone:** (312) 555-1234

**4. Seller's Email:** john.smith@email.com

**5. Seller's Signature:** [Signature]

**6. Seller's Date:** 01/15/2024

**7. Buyer's Name:** ABC Company, LLC

**8. Buyer's Address:** 5678 Market Street, Suite 200, Chicago, IL 60601

**9. Buyer's Phone:** (312) 555-5678

**10. Buyer's Email:** info@abc.com

**11. Buyer's Signature:** [Signature]

**12. Buyer's Date:** 01/15/2024

**13. Property Address:** 1234 Main Street, Apt. 100, Chicago, IL 60601

**14. Property Description:** 2-Bedroom Condo, 1,200 sq. ft., with parking space.

**15. Property Tax ID:** 1234567890

**16. Property Tax Amount:** \$1,200.00

**17. Property Tax Due Date:** 01/15/2024

**18. Property Tax Payment Method:** Check

**19. Property Tax Payment Amount:** \$1,200.00

**20. Property Tax Payment Date:** 01/15/2024

**21. Property Tax Payment Reference:** 1234567890

**22. Property Tax Payment Status:** Paid

**23. Property Tax Payment Receipt:** Yes

**24. Property Tax Payment Receipt Number:** 1234567890

**25. Property Tax Payment Receipt Date:** 01/15/2024

**26. Property Tax Payment Receipt Amount:** \$1,200.00

**27. Property Tax Payment Receipt Reference:** 1234567890

**28. Property Tax Payment Receipt Status:** Valid

**29. Property Tax Payment Receipt Description:** Property Tax Payment

**30. Property Tax Payment Receipt Date:** 01/15/2024

**31. Property Tax Payment Receipt Amount:** \$1,200.00

**32. Property Tax Payment Receipt Reference:** 1234567890

**33. Property Tax Payment Receipt Status:** Valid

**34. Property Tax Payment Receipt Description:** Property Tax Payment

**35. Property Tax Payment Receipt Date:** 01/15/2024

**36. Property Tax Payment Receipt Amount:** \$1,200.00

**37. Property Tax Payment Receipt Reference:** 1234567890

**38. Property Tax Payment Receipt Status:** Valid

**39. Property Tax Payment Receipt Description:** Property Tax Payment

**40. Property Tax Payment Receipt Date:** 01/15/2024

**41. Property Tax Payment Receipt Amount:** \$1,200.00

**42. Property Tax Payment Receipt Reference:** 1234567890

**43. Property Tax Payment Receipt Status:** Valid

**44. Property Tax Payment Receipt Description:** Property Tax Payment

**45. Property Tax Payment Receipt Date:** 01/15/2024

**46. Property Tax Payment Receipt Amount:** \$1,200.00

**47. Property Tax Payment Receipt Reference:** 1234567890

**48. Property Tax Payment Receipt Status:** Valid

**49. Property Tax Payment Receipt Description:** Property Tax Payment

**50. Property Tax Payment Receipt Date:** 01/15/2024

**51. Property Tax Payment Receipt Amount:** \$1,200.00

**52. Property Tax Payment Receipt Reference:** 1234567890

**53. Property Tax Payment Receipt Status:** Valid

**54. Property Tax Payment Receipt Description:** Property Tax Payment

**55. Property Tax Payment Receipt Date:** 01/15/2024

**56. Property Tax Payment Receipt Amount:** \$1,200.00

**57. Property Tax Payment Receipt Reference:** 1234567890

**58. Property Tax Payment Receipt Status:** Valid

**59. Property Tax Payment Receipt Description:** Property Tax Payment

**60. Property Tax Payment Receipt Date:** 01/15/2024

**61. Property Tax Payment Receipt Amount:** \$1,200.00

**62. Property Tax Payment Receipt Reference:** 1234567890

**63. Property Tax Payment Receipt Status:** Valid

**64. Property Tax Payment Receipt Description:** Property Tax Payment

**65. Property Tax Payment Receipt Date:** 01/15/2024

**66. Property Tax Payment Receipt Amount:** \$1,200.00

**67. Property Tax Payment Receipt Reference:** 1234567890

**68. Property Tax Payment Receipt Status:** Valid

**69. Property Tax Payment Receipt Description:** Property Tax Payment

**70. Property Tax Payment Receipt Date:** 01/15/2024

**71. Property Tax Payment Receipt Amount:** \$1,200.00

**72. Property Tax Payment Receipt Reference:** 1234567890

**73. Property Tax Payment Receipt Status:** Valid

**74. Property Tax Payment Receipt Description:** Property Tax Payment

**75. Property Tax Payment Receipt Date:** 01/15/2024

**76. Property Tax Payment Receipt Amount:** \$1,200.00

**77. Property Tax Payment Receipt Reference:** 1234567890

**78. Property Tax Payment Receipt Status:** Valid

**79. Property Tax Payment Receipt Description:** Property Tax Payment

**80. Property Tax Payment Receipt Date:** 01/15/2024

**81. Property Tax Payment Receipt Amount:** \$1,200.00

**82. Property Tax Payment Receipt Reference:** 1234567890

**83. Property Tax Payment Receipt Status:** Valid

**84. Property Tax Payment Receipt Description:** Property Tax Payment

**85. Property Tax Payment Receipt Date:** 01/15/2024

**86. Property Tax Payment Receipt Amount:** \$1,200.00

**87. Property Tax Payment Receipt Reference:** 1234567890

**88. Property Tax Payment Receipt Status:** Valid

**89. Property Tax Payment Receipt Description:** Property Tax Payment

**90. Property Tax Payment Receipt Date:** 01/15/2024

**91. Property Tax Payment Receipt Amount:** \$1,200.00

**92. Property Tax Payment Receipt Reference:** 1234567890

**93. Property Tax Payment Receipt Status:** Valid

**94. Property Tax Payment Receipt Description:** Property Tax Payment

**95. Property Tax Payment Receipt Date:** 01/15/2024

**96. Property Tax Payment Receipt Amount:** \$1,200.00

**97. Property Tax Payment Receipt Reference:** 1234567890

**98. Property Tax Payment Receipt Status:** Valid

**99. Property Tax Payment Receipt Description:** Property Tax Payment

**100. Property Tax Payment Receipt Date:** 01/15/2024

**101. Property Tax Payment Receipt Amount:** \$1,200.00

**102. Property Tax Payment Receipt Reference:** 1234567890

**103. Property Tax Payment Receipt Status:** Valid

**104. Property Tax Payment Receipt Description:** Property Tax Payment

**105. Property Tax Payment Receipt Date:** 01/15/2024

**106. Property Tax Payment Receipt Amount:** \$1,200.00

**107. Property Tax Payment Receipt Reference:** 1234567890

**108. Property Tax Payment Receipt Status:** Valid

**109. Property Tax Payment Receipt Description:** Property Tax Payment

**110. Property Tax Payment Receipt Date:** 01/15/2024

**111. Property Tax Payment Receipt Amount:** \$1,200.00

**112. Property Tax Payment Receipt Reference:** 1234567890

**113. Property Tax Payment Receipt Status:** Valid

**114. Property Tax Payment Receipt Description:** Property Tax Payment

**115. Property Tax Payment Receipt Date:** 01/15/2024

**116. Property Tax Payment Receipt Amount:** \$1,200.00

**117. Property Tax Payment Receipt Reference:** 1234567890

**118. Property Tax Payment Receipt Status:** Valid

**119. Property Tax Payment Receipt Description:** Property Tax Payment

**120. Property Tax Payment Receipt Date:** 01/15/2024

**121. Property Tax Payment Receipt Amount:** \$1,200.00

**122. Property Tax Payment Receipt Reference:** 1234567890

**123. Property Tax Payment Receipt Status:** Valid

**124. Property Tax Payment Receipt Description:** Property Tax Payment

**125. Property Tax Payment Receipt Date:** 01/15/2024

**126. Property Tax Payment Receipt Amount:** \$

75499, 135752, 84/70/2016, 14, 245, 604

## Land

#	Type	Description	Acres	Sqft	Eff Front	Eff Depth	# Lots	Market Value	Prod. Value
1	4270-8775A		30.3100	1320303.60	0.00	0.00	0.00	\$121,240	\$6,820

### Roll Value History

Year	Improvements	Land Market	Current Use	Total Appraised	Taxable Value
2022	N/A	N/A	N/A	N/A	N/A
2021	\$0	\$94,719	\$6,820	\$6,820	\$6,820
2020	\$0	\$90,930	\$6,820	\$6,820	\$6,820
2019	\$0	\$83,353	\$6,820	\$6,820	\$6,820
2018	\$0	\$75,775	\$6,820	\$6,820	\$6,820

### Deed and Sales History

#	Deed Date	Type	Description	Grantor	Grantee	Volume	Page	Sale Price	Excise Number
1	06/30/2016	CONS EASE	CONSERVATION EASEMENT	ROGER DEAN SHORT	JEFFERSON LAND TRUST			\$800,000.00	125752
		21930			S22 T29 R1W E1/2 SE LS TX 17 & 35 LS R/W SUBJ/CONS EASE EX#125752				
		21983			S23 T29 R1W TAX 33-BND BY BLA #124835 SUBJ/CONS EASE EX#125752				
		21989			S23 T29 R1W TAX 31-BND BY BLA#124835 SUBJ/CONS EASE EX#125752				
		21991			S23 T29 R1W S1/2 SW(BETWEEN CO RD & CREEK) LESS N 500' LESS R/W SUBJ/CONS EASE EX#125752				
		22081	2330 CENTER RD CHIMACUM, WA 98325		S26 T29 R1W NW1/4(LS PTNS E OF CO RD & W OF VALLEY RIDGELINE) SUBJ/CONS EASE EX#125752				
		22082			S26 T29 R1W NW1/4(W OF VALLEY RIDGELINE) SUBJ/CONS EASE EX#125752				



Payout Agreement

No payout information available..





Parcel Number **901233011**

11/07/2022

**Owner Mailing Address:**

ROGER DEAN SHORT  
SANDY S G SHORT  
1720 CENTER RD

CHIMACUM

WA  
98325-9779

**Site Address:**

Section: **23**

Qtr Section: **SW1/4**

Township: **29N**

Range: **1W**

School District: **Chimacum (49)**

Fire District: **EJFR (1)**

Tax Status: **Taxable**

Tax Code: **0211**

Planning Area: **South Chimacum/Inland Valleys/Center (6)**

Sewer:

Drainage:

Bank:

View 1:

View 2:

Zoning 1: **AP-20 - Commercial Agriculture**

Zoning 2:

Zoning 3: **Appraiser: 19**

Sub Division:

Assessor's Land Use Code: **8300 - Open Space Agricultural (A)**  
**9100 - Vacant Land**

**Property Description:**

**S23 T29 R1W TAX 24 (ENGL BY TAX 25) W/EASE SUBJ/CONS EASE EX#125752**



Cases Associated with Parcel No: [901233011](#)

This may not be a complete listing of information that exists for this parcel. There may be other information pertinent to the property on file. Please contact the Department of Community Development for additional information.

Case Number	<a href="#">CAM2019-00003</a>
Description	remove beaver dam
Last Name	SHORT
Received Date	1/7/2019 4:07:20 PM
Status	M

Case Number	<a href="#">CAM2014-00561</a>
Description	Inquiry re: maximum development potential/cluster development for appraisal purposes
Last Name	HALBERG
Received Date	10/13/2014 4:17:10 PM
Status	M
LaserFiche Links	<a href="#">View LaserFiche Documents</a>



# Jefferson County Assessor & Treasurer

## Property

### Account

Property ID:	22081	Abbreviated Legal Description:	S26 T29 R1W NW1/4(LS PTNS E OF CO RD & W OF VALLEY RIDGELINE) SUBJ/CONS EASE EX#125752
Parcel # / Geo ID:	901262002	Agent Code:	
Type:	Real		
Tax Area:	0211 - 1-49F1E1H2L1	Land Use Code	83
Open Space:	Y	DFL	N
Historic Property:	N	Remodel Property:	N
Multi-Family Redevelopment:	N		
Township:	29N	Section:	26
Range:	1W		

### Location

Address:	2330 CENTER RD CHIMACUM, WA 98325	Mapsc0:	219/005
Neighborhood:	S26 & S27 T29N R1W	Map ID:	
Neighborhood CD:	4280		

### Owner


Name:	ROGER DEAN SHORT	Owner ID:	27307
Mailing Address:	SANDY S G SHORT 1720 CENTER RD CHIMACUM, WA 98325-9779	% Ownership:	100.0000000000%
		Exemptions:	

## Pay Tax Due

There is currently No Amount Due on this property.

## Taxes and Assessment Details

Property Tax Information as of 11/07/2022

Amount Due if Paid on:  NOTE: If you plan to submit payment on a future date, make sure you enter the date and click RECALCULATE to obtain the correct total amount due.

Click on "Statement Details" to expand or collapse a tax statement.

Year	Statement ID	First Half Base Amt.	Second Half Base Amt.	Penalty	Interest	Base Paid	Amount Due
▶ Statement Details							
2022	11658	\$343.58	\$343.43	\$0.00	\$0.00	\$687.01	\$0.00
▶ Statement Details							
2021	11687	\$350.73	\$350.62	\$0.00	\$0.00	\$701.35	\$0.00
▶ Statement Details							
2020	11718	\$336.58	\$336.44	\$0.00	\$0.00	\$673.02	\$0.00
▶ Statement Details							
2019	11743	\$312.63	\$312.50	\$0.00	\$0.00	\$625.13	\$0.00

## Values

(+) Improvement Homesite Value:	+	\$0	
(+) Improvement Non-Homesite Value:	+	\$3,798	
(+) Land Homesite Value:	+	\$0	
(+) Land Non-Homesite Value:	+	\$57,500	
(+) Curr Use (HS):	+	\$0	\$0
(+) Curr Use (NHS):	+	\$110,858	\$11,086
(=) Market Value:	=	\$172,156	
(-) Productivity Loss:	-	\$99,772	
(=) Subtotal:	=	\$72,384	



(+) Senior Appraised Value:	+	\$0
(+) Non-Senior Appraised Value:	+	\$72,384
<hr/>		
(=) Total Appraised Value:	=	\$72,384
(-) Senior Exemption Loss:	-	\$0
(-) Exemption Loss:	-	\$0
<hr/>		
(=) Taxable Value:	=	\$72,384

## Taxing Jurisdiction

Owner: ROGER DEAN SHORT  
 % Ownership: 100.000000000000%  
 Total Value: N/A  
 Tax Area: 0211 - 1-49F1E1H2L1

Levy Code	Description	Levy Rate	Appraised Value	Taxable Value	Estimated Tax
CE	COUNTY CURRENT EXPENSE	N/A	N/A	N/A	N/A
CNTYDD	DEVELOPMENTAL DISABILITIES	N/A	N/A	N/A	N/A
CNTYVET	VETERANS RELIEF	N/A	N/A	N/A	N/A
MENTAL	MENTAL HEALTH	N/A	N/A	N/A	N/A
ROADS	COUNTY ROADS	N/A	N/A	N/A	N/A
ROADSCU	COUNTY ROADS TO CUR EXP	N/A	N/A	N/A	N/A
HOS2BOND	HOSP DIST #2 GO BOND 2013 NON VOTED	N/A	N/A	N/A	N/A
HOSP2CASH	HOSP DIST #2 GENERAL	N/A	N/A	N/A	N/A
SCH49CP	SCHOOL DIST #49 CAP PROJ	N/A	N/A	N/A	N/A
SCH49MO	SCHOOL DIST #49 EP & O	N/A	N/A	N/A	N/A
CONSERVE	CONSERVATION FUTURES	N/A	N/A	N/A	N/A
EMS1	FIRE DIST #1 EMS	N/A	N/A	N/A	N/A
FD1	FIRE DIST #1 GENERAL	N/A	N/A	N/A	N/A
LIB1	LIBRARY DIST #1 GENERAL	N/A	N/A	N/A	N/A
PORTPT	PORT OF PT GENERAL	N/A	N/A	N/A	N/A
PORTPTIDD	PORT OF PT IDD 2019	N/A	N/A	N/A	N/A
PUD1	PUD #1 GENERAL	N/A	N/A	N/A	N/A
STATE	STATE SCHOOL PART 1	N/A	N/A	N/A	N/A
STATE2	STATE SCHOOL PART 2	N/A	N/A	N/A	N/A
Total Tax Rate:		N/A			
Taxes w/Current Exemptions:					N/A
Taxes w/o Exemptions:					N/A

## Improvement / Building

**Improvement #1:** Manufactured Home **State Code:** 11M 980.0 sqft **Value:** \$3,798

**Bathrooms (#):** 1 (FULL) **Bedrooms (#):** 2

**Exterior Wall:** ECONO **Fireplace:** WD ST-FAIR

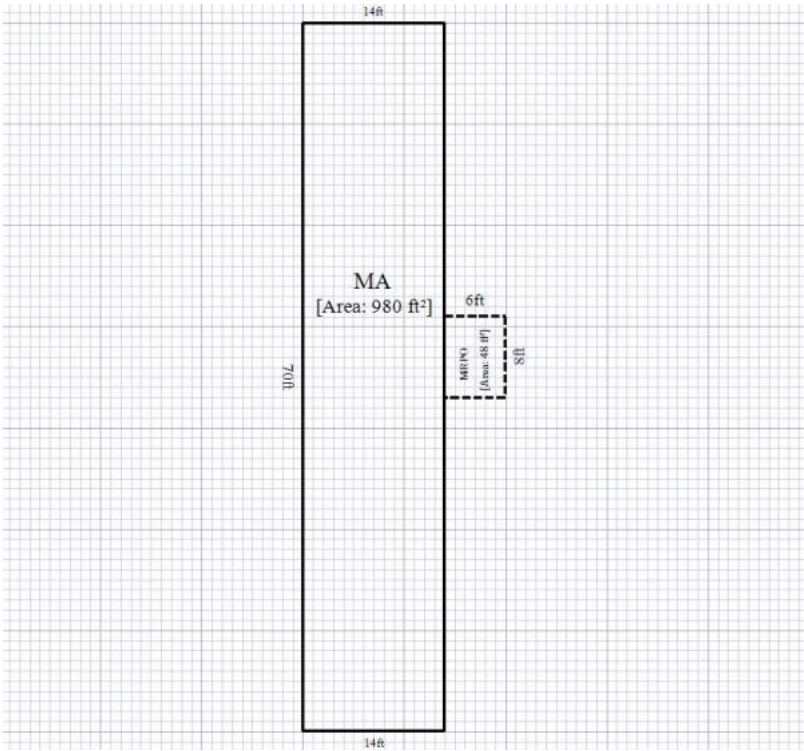
**Floor Construction:** CONCR **Foundation:** PO&BL

**Heating/Cooling:** F/A **Roof Cover:** METAL

Type	Description	Class CD	Sub Class CD	Year Built	Area
MA	Main Area	2	MSG	1978	980.0
MRPO	MH Roof Porch	2	*	1978	48.0

## Sketch





Property Image

This property contains TIFF images. Click on the button(s) to download the full image (which may contain multiple pages).

**REAL ESTATE EXCISE TAX AFFIDAVIT**

THIS AFFIDAVIT WILL NOT BE ACCEPTED FOR ALL AREAS ARE FULLY COMPLETED

**SELLER'S INFORMATION**

Seller's Name: **MA**  
Address: **146**  
City: **MA**  
State: **MA**  
Zip: **0146**

**BUYER'S INFORMATION**

Buyer's Name: **MA**  
Address: **146**  
City: **MA**  
State: **MA**  
Zip: **0146**

**PROPERTY INFORMATION**

Property Address: **146**  
City: **MA**  
State: **MA**  
Zip: **0146**

**EXCISE TAX INFORMATION**

Excise Tax: **146**  
Excise Tax Rate: **146**  
Excise Tax Amount: **146**

**NOTARIZATION**

Notary Name: **MA**  
Notary Address: **146**  
Notary City: **MA**  
Notary State: **MA**  
Notary Zip: **0146**

**DISCLOSURES**

Disclosures: **MA**

**SIGNATURES**

Seller Signature: **MA**  
Buyer Signature: **MA**  
Notary Signature: **MA**

**DATE**

Date: **MA**





5/1/2017, 2:41:10 PM

22081

**Revenue**  
**REAL ESTATE EXCISE TAX AFFIDAVIT**  
This form is your receipt for payment of real estate excise tax. It is not a receipt for the property itself. This form is to be filed with the County Treasurer's Office.

**1. Seller (Grantor)**  
Name: Roger D. Shier  
Address: 1730 Center Road, Chesapeake, VA 20762  
Phone: 410-326-1000

**2. Buyer (Grantee)**  
Name: Roger D. Shier  
Address: 1730 Center Road, Chesapeake, VA 20762  
Phone: 410-326-1000

**3. Description of Property**  
Parcel ID: 01000000000000000000  
Legal Description: 1730 Center Road, Chesapeake, VA 20762

**4. Tax Information**  
Assessed Value: \$57,500  
Market Value: \$57,500  
Tax Rate: 0.0000  
Tax Amount: \$0.00

**5. Signature and Date**  
Signature: [Signature]  
Date: 5/1/2017

**Revenue**  
**Real Estate Excise Tax Affidavit**  
This form is your receipt for payment of real estate excise tax. It is not a receipt for the property itself. This form is to be filed with the County Treasurer's Office.

**1. Seller (Grantor)**  
Name: Roger D. Shier  
Address: 1730 Center Road, Chesapeake, VA 20762  
Phone: 410-326-1000

**2. Buyer (Grantee)**  
Name: Roger D. Shier  
Address: 1730 Center Road, Chesapeake, VA 20762  
Phone: 410-326-1000

**3. Description of Property**  
Parcel ID: 01000000000000000000  
Legal Description: 1730 Center Road, Chesapeake, VA 20762

**4. Tax Information**  
Assessed Value: \$57,500  
Market Value: \$57,500  
Tax Rate: 0.0000  
Tax Amount: \$0.00

**5. Signature and Date**  
Signature: [Signature]  
Date: 5/1/2017

## Land

#	Type	Description	Acres	Sqft	Eff Front	Eff Depth	# Lots	Market Value	Prod. Value
1	4280-1375S		1.0000	43560.00	0.00	0.00	1.00	\$57,500	\$0
2	4280-8775A		49.2700	2146201.20	0.00	0.00	0.00	\$110,858	\$11,086



## Roll Value History

Year	Improvements	Land Market	Current Use	Total Appraised	Taxable Value
2022	N/A	N/A	N/A	N/A	N/A
2021	\$3,517	\$145,585	\$11,086	\$67,807	\$67,807
2020	\$3,387	\$139,762	\$11,086	\$65,549	\$65,549
2019	\$2,996	\$128,115	\$11,086	\$60,901	\$60,901
2018	\$2,735	\$116,468	\$11,086	\$56,384	\$56,384

## Deed and Sales History

#	Deed Date	Type	Description	Grantor	Grantee	Volume	Page	Sale Price	Excise Number	Deed Number
1	01/24/2020	QCD	Quit Claim Deed						136257	
2	01/24/2020	QCD	Quit Claim Deed	ROGER D SHORT	ROGER DEAN SHORT				133858	
3	06/30/2016	CONS EASE	CONSERVATION EASEMENT	ROGER D SHORT	JEFFERSON LAND TRUST			\$800,000.00	125752	
	21930		S22 T29 R1W E1/2 SE LS TX 17 & 35 LS R/W SUBJ/CONS EASE EX#125752							
	21983		S23 T29 R1W TAX 33-BND BY BLA #124835 SUBJ/CONS EASE EX#125752							
	21989		S23 T29 R1W TAX 31-BND BY BLA#124835 SUBJ/CONS EASE EX#125752							
	21991		S23 T29 R1W S1/2 SW(BETWEEN CO RD & CREEK) LESS N 500' LESS R/W SUBJ/CONS EASE EX#125752							
	21992		S23 T29 R1W TAX 24 (ENGL BY TAX 25) W/EASE SUBJ/CONS EASE EX#125752							
	22082		S26 T29 R1W NW1/4(W OF VALLEY RIDGELINE) SUBJ/CONS EASE EX#125752							

## Payout Agreement

No payout information available..





Parcel Number **901262002**

11/07/2022

**Owner Mailing Address:**

ROGER DEAN SHORT  
SANDY S G SHORT  
1720 CENTER RD

CHIMACUM

WA  
98325-9779

**Site Address:**

2330 CENTER RD  
CHIMACUM

98325

Section: 26

Qtr Section: NW1/4

Township: 29N

Range: 1W

School District: Chimacum (49)

Fire District: EJFR (1)

Tax Status: Taxable

Tax Code: 0211

Planning Area: South Chimacum/Inland Valleys/Center (6)

Sewer:

Drainage:

Bank:

View 1:

View 2:

Zoning 1: AP-20 - Commercial Agriculture

Zoning 2:

Zoning 3: Appraiser: 19

Sub Division:

Assessor's Land Use Code: 8300 - Open Space Agricultural (A)  
1100 - Residential - Single Unit

**Property Description:**

S26 T29 R1W NW1/4(LS PTNS E OF CO RD & W OF VALLEY RIDGELINE) SUBJ/CONS EASE EX#125752



# Permit Case Summary

Case Number:  [Search Help](#)

Case Number:SOM1978-00366	<a href="#">Case Status:</a>	Date Received:3/9/2015
Description:	Date Issued:	
Applicant:ROGER D SHORT	Expiration Date:	
Site Address:2330 CENTER RD	Case Finaled:	
Parcel No:901262002	<a href="#">Other Cases</a>	<a href="#">Parcel Data</a> <a href="#">Map It</a>

## Case Actions

Below is a list of actions that have been taken by staff for this permit case. They are sorted based on the date they were added to the database with most recent actions at the top. A value in the "Date Completed" field indicates that the action has been completed.

Description:	Insp Required (1st Notice)(fm)
Date Completed:	10/16/2019
Disposition:	
Description:	Case Entered SEP Status "F"
Date Completed:	4/20/1978
Disposition:	DONE



# Permit Case Summary

Case Number:  [Search Help](#)

Case Number:SEP1978-00366	<a href="#">Case Status</a> :Finaled	Date Received:3/7/1978				
Description:	Date Issued:3/8/1978					
Applicant:ROGER D SHORT	Expiration Date:3/8/1981 12:00:00 AM					
Site Address:2330 CENTER RD	Case Finaled:4/20/1978					
Parcel No:901262002	<a href="#">Other Cases</a>	<a href="#">Parcel Data</a>	<a href="#">Map It</a>	<a href="#">More Details</a>	<a href="#">Parcels</a>	<a href="#">Images</a>

## Case Actions

Below is a list of actions that have been taken by staff for this permit case. They are sorted based on the date they were added to the database with most recent actions at the top. A value in the "Date Completed" field indicates that the action has been completed.

Description:	SEPTIC PERMIT FINALED "F"
Date Completed:	4/20/1978
Disposition:	DONE
Description:	Issue permit no form "A"
Date Completed:	3/8/1978
Disposition:	DONE
Description:	Case Entered "P"
Date Completed:	3/9/2015
Disposition:	



Site Search

Login

■ Site Information

Site Details

Contracts

Uploads

■ Site Work History

Service History

Application History

■ Submit Work

Application

SITE NAME:

SITE ADDRESS: 2330 Center Rd, Chimacum WA

OWNER:

MANAGER:

Site Details

Map this Site

Site Name:

Tax/Assessor Number

901262002

Lot

Street#

2330

PreDir

▼

Street Name (name only)

Center

Suffix

Rd

PostDir

▼

Unit

City

Chimacum

State

Washington

County

Jefferson

General Site Comments (Official Use Only - Viewable by All)

Use Type

Residential

▼

Classification

Single Family

▼

Discharge Type

Septic System

▼

Water System Type

▼

Assignment Area (Entity Specific)▼

Site Category (Entity Specific)▼

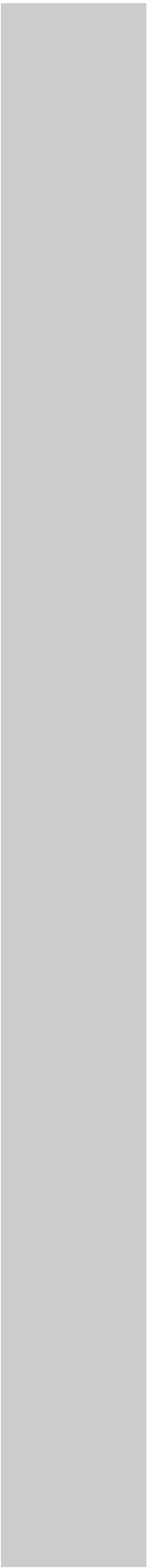
Associated LOSS/Cluster

Latitude

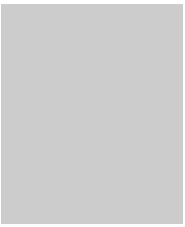
Longitude

ID	Entity	Entity Type
1880661	OnlineRME	
SOM1978-00366	Jefferson County Public Health	SEPTIC Regulator











Site Search

Login

■ Site Information

- Site Details
- Contracts
- Uploads

■ Site Work History

- Service History
- Application History

■ Submit Work

- Application

SITE NAME:

SITE ADDRESS: 2330 Center Rd, Chimacum WA

OWNER:

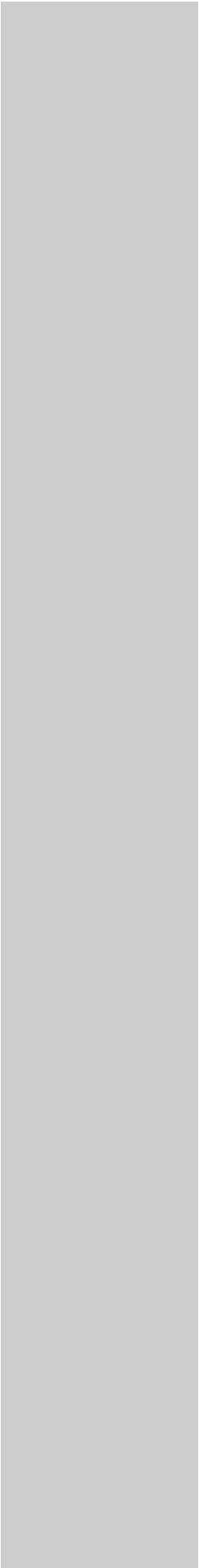
MANAGER:

Service History

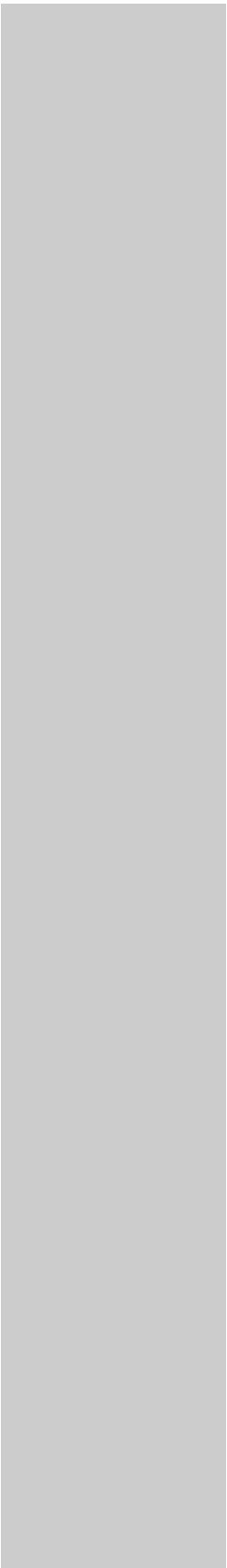
To receive an email when a report is submitted click here













Cases Associated with Parcel No: [901262002](#)

This may not be a complete listing of information that exists for this parcel. There may be other information pertinent to the property on file. Please contact the Department of Community Development for additional information.

[Parcel Tags](#)

Case Number	<a href="#">FPA2616312</a>
Description	harvest 9 acres
Last Name	SHORT
Received Date	12/23/2019 12:00:00 AM
Status	Finaled

Case Number	<a href="#">SOM1978-00366</a>
Description	
Last Name	SHORT
Received Date	3/9/2015 3:27:27 PM
Status	ACT

Case Number	<a href="#">CAM2014-00561</a>
Description	Inquiry re: maximum development potential/cluster development for appraisal purposes
Last Name	HALBERG
Received Date	10/13/2014 4:17:10 PM
Status	M

Case Number	<a href="#">SEP1978-00366</a>
Description	See SOM case for current septic system activity.
Last Name	SHORT
Received Date	3/7/1978 12:00:00 AM
Status	Finaled
LaserFiche Links	<a href="#">View LaserFiche Documents</a>



# Jefferson County Assessor & Treasurer

## Property

### Account

Property ID:	22082	Abbreviated Legal Description:	S26 T29 R1W NW1/4(W OF VALLEY RIDGELINE) SUBJ/CONS EASE EX#125752
Parcel # / Geo ID:	901262003	Agent Code:	
Type:	Real		
Tax Area:	0211 - 1-49F1E1H2L1	Land Use Code	83
Open Space:	Y	DFL	Y
Historic Property:	N	Remodel Property:	N
Multi-Family Redevelopment:	N		
Township:	29N	Section:	26
Range:	1W		

### Location

Address:		Mapsc0:	219/007
Neighborhood:	S26 & S27 T29N R1W	Map ID:	
Neighborhood CD:	4280		

### Owner

Name:	ROGER DEAN SHORT	Owner ID:	27307
Mailing Address:	SANDY S G SHORT 1720 CENTER RD CHIMACUM, WA 98325-9779	% Ownership:	100.0000000000%


Exemptions:

## Pay Tax Due

There is currently No Amount Due on this property.

## Taxes and Assessment Details

Property Tax Information as of 11/07/2022

Amount Due if Paid on:  **NOTE:** If you plan to submit payment on a future date, make sure you enter the date and click RECALCULATE to obtain the correct total amount due.

Click on "Statement Details" to expand or collapse a tax statement.

Year	Statement ID	First Half Base Amt.	Second Half Base Amt.	Penalty	Interest	Base Paid	Amount Due
▸ Statement Details							
2022	11659	\$95.05	\$94.48	\$0.00	\$0.00	\$189.53	\$0.00
▸ Statement Details							
2021	11688	\$95.03	\$94.44	\$0.00	\$0.00	\$189.47	\$0.00
▸ Statement Details							
2020	11719	\$86.03	\$85.46	\$0.00	\$0.00	\$171.49	\$0.00
▸ Statement Details							
2019	11744	\$83.52	\$82.90	\$0.00	\$0.00	\$166.42	\$0.00

## Values

(+) Improvement Homesite Value:	+	\$0	
(+) Improvement Non-Homesite Value:	+	\$5,832	
(+) Land Homesite Value:	+	\$0	
(+) Land Non-Homesite Value:	+	\$0	
(+) Curr Use (HS):	+	\$0	\$0
(+) Curr Use (NHS):	+	\$203,445	\$7,868
<hr/>			
(=) Market Value:	=	\$209,277	
(-) Productivity Loss:	-	\$195,577	
<hr/>			
(=) Subtotal:	=	\$13,700	
(+) Senior Appraised Value:	+	\$0	



(+) Non-Senior Appraised Value:	+	\$13,700
<hr/>		
(=) Total Appraised Value:	=	\$13,700
(-) Senior Exemption Loss:	-	\$0
(-) Exemption Loss:	-	\$0
<hr/>		
(=) Taxable Value:	=	\$13,700

## Taxing Jurisdiction

Owner: ROGER DEAN SHORT  
 % Ownership: 100.000000000000%  
 Total Value: N/A  
 Tax Area: 0211 - 1-49F1E1H2L1

Levy Code	Description	Levy Rate	Appraised Value	Taxable Value	Estimated Tax
CE	COUNTY CURRENT EXPENSE	N/A	N/A	N/A	N/A
CNTYDD	DEVELOPMENTAL DISABILITIES	N/A	N/A	N/A	N/A
CNTYVET	VETERANS RELIEF	N/A	N/A	N/A	N/A
MENTAL	MENTAL HEALTH	N/A	N/A	N/A	N/A
ROADS	COUNTY ROADS	N/A	N/A	N/A	N/A
ROADSCU	COUNTY ROADS TO CUR EXP	N/A	N/A	N/A	N/A
HOS2BOND	HOSP DIST #2 GO BOND 2013 NON VOTED	N/A	N/A	N/A	N/A
HOSP2CASH	HOSP DIST #2 GENERAL	N/A	N/A	N/A	N/A
SCH49CP	SCHOOL DIST #49 CAP PROJ	N/A	N/A	N/A	N/A
SCH49MO	SCHOOL DIST #49 EP & O	N/A	N/A	N/A	N/A
CONSERVE	CONSERVATION FUTURES	N/A	N/A	N/A	N/A
EMS1	FIRE DIST #1 EMS	N/A	N/A	N/A	N/A
FD1	FIRE DIST #1 GENERAL	N/A	N/A	N/A	N/A
LIB1	LIBRARY DIST #1 GENERAL	N/A	N/A	N/A	N/A
PORTPT	PORT OF PT GENERAL	N/A	N/A	N/A	N/A
PORTPTIDD	PORT OF PT IDD 2019	N/A	N/A	N/A	N/A
PUD1	PUD #1 GENERAL	N/A	N/A	N/A	N/A
STATE	STATE SCHOOL PART 1	N/A	N/A	N/A	N/A
STATE2	STATE SCHOOL PART 2	N/A	N/A	N/A	N/A
Total Tax Rate:		N/A			
Taxes w/Current Exemptions:					N/A
Taxes w/o Exemptions:					N/A

## Improvement / Building

Improvement #1: [Site Improvements](#) State Code: 83 0.0 sqft Value: \$5,832

Type	Description	Class CD	Sub Class CD	Year Built	Area
OTHER	Other	3	*	0	0.0

## Sketch

No sketches available for this property.

## Property Image

This property contains TIFF images. Click on the button(s) to download the full image (which may contain multiple pages).



754998 125752 86/30/2016 14,245,004

5/1/2017, 2:00:45 PM

22082

202008 132058 #1/27/2022 10:00\*



Real Estate Excise Tax Affidavit (RCWE 62-47 WAC 62B-614)
Form 64 (09/14)
1. Seller/Grantor: Dean, Roger D Short
2. Buyer/Grantee: Jeffers Land Trust, Inc.
3. Description of Property: 2330 Center Road, Chimsacum, WA 98325
4. Total of property in correspondence to: 22 Acres in Jefferson
5. Declaration: I, the undersigned, being duly sworn, depose and say that the foregoing is true and correct.

Land

#	Type	Description	Acres	Sqft	Eff Front	Eff Depth	# Lots	Market Value	Prod. Value
1	4280-8775A		25.4400	1108166.40	0.00	0.00	0.00	\$76,320	\$5,724
2	4280-8775A		3.8300	166834.80	0.00	0.00	0.00	\$11,490	\$65
3	4280-8775A		12.1300	528382.80	0.00	0.00	0.00	\$36,390	\$1,747
4	1975A		2.3000	100188.00	0.00	0.00	0.00	\$10,350	\$317
5	1975A		15.3100	666903.60	0.00	0.00	0.00	\$68,895	\$15

Roll Value History

Year	Improvements	Land Market	Current Use	Total Appraised	Taxable Value
2022	N/A	N/A	N/A	N/A	N/A
2021	\$5,400	\$180,544	\$9,384	\$14,784	\$14,784
2020	\$5,200	\$173,322	\$9,384	\$14,584	\$14,584
2019	\$4,600	\$158,879	\$7,794	\$12,394	\$12,394
2018	\$4,200	\$144,435	\$7,766	\$11,966	\$11,966

Deed and Sales History

#	Deed Date	Type	Description	Grantor	Grantee	Volume	Page	Sale Price	Excise Number
1	01/24/2020	QCD	Quit Claim Deed	ROGER DEAN SHORT					136257
2	01/24/2020	QCD	Quit Claim Deed	ROGER D SHORT	ROGER DEAN SHORT				133858
3	06/30/2016	CONS EASE	CONSERVATION EASEMENT	ROGER D SHORT	JEFFERSON LAND TRUST	\$800,000.00			125752
	21930				S22 T29 R1W E1/2 SE LS TX 17 & 35 LS R/W SUBJ/CONS EASE EX#125752				
	21983				S23 T29 R1W TAX 33-BND BY BLA #124835 SUBJ/CONS EASE EX#125752				
	21989				S23 T29 R1W TAX 31-BND BY BLA#124835 SUBJ/CONS EASE EX#125752				
	21991				S23 T29 R1W S1/2 SW(BETWEEN CO RD & CREEK) LESS N 500' LESS R/W SUBJ/CONS EASE EX#125752				
	21992				S23 T29 R1W TAX 24 (ENGL BY TAX 25) W/EASE SUBJ/CONS EASE EX#125752				
	22081		2330 CENTER RD CHIMACUM, WA 98325		S26 T29 R1W NW1/4(LS PTNS E OF CO RD & W OF VALLEY RIDGELINE) SUBJ/CONS EASE EX#1				

Payout Agreement

No payout information available..





Parcel Number **901262003**

11/07/2022

**Owner Mailing Address:**

ROGER DEAN SHORT  
SANDY S G SHORT  
1720 CENTER RD

CHIMACUM

WA  
98325-9779

**Site Address:**

Section: 26

Qtr Section: NW1/4

Township: 29N

Range: 1W

School District: Chimacum (49)

Fire District: EJFR (1)

Tax Status: Taxable

Tax Code: 0211

Planning Area: South Chimacum/Inland Valleys/Center (6)

Sewer:

Drainage:

Bank:

View 1:

View 2:

Zoning 1: AL-20 - Local Agriculture

Zoning 2:

Zoning 3: Appraiser: 19

Sub Division:

Assessor's Land Use Code: 8300 - Open Space Agricultural (A)  
9100 - Vacant Land

**Property Description:**

S26 T29 R1W NW1/4(W OF VALLEY RIDGELINE) SUBJ/CONS EASE EX#125752



Cases Associated with Parcel No: [901262003](#)

This may not be a complete listing of information that exists for this parcel. There may be other information pertinent to the property on file. Please contact the Department of Community Development for additional information.

Case Number	<a href="#">CAM2014-00561</a>
Description	Inquiry re: maximum development potential/cluster development for appraisal purposes
Last Name	HALBERG
Received Date	10/13/2014 4:17:10 PM
Status	M

Case Number	<a href="#">BLD2001-00689</a>
Description	NO MLA REQ'D - PROPANE TANK INSTALLATION
Last Name	SHORT
Received Date	12/17/2001 12:00:00 AM
Status	Finaled



# RESIDENTIAL APPRAISAL

Roll No. \_\_\_\_\_ Page No. \_\_\_\_\_  
 Map No. \_\_\_\_\_ Photo No. \_\_\_\_\_  
 Monthly Rent \_\_\_\_\_  
 Remodeled 19 \_\_\_\_\_ Cost \$ WOP  
 Sold 19 2-28-79 Amount \$ 96,735 # 38270

Owner \_\_\_\_\_  
 Address \_\_\_\_\_  
 Permit No. \_\_\_\_\_

Roger D. Short  
P.O. Box 338, Chumace  
76328

SEC/LGY | TWP | RGE | BLOCK | DISTRICT  
23 29 1W 48.62A 1-49-11H  
1614

Aff # 125752 Date 6/30/16 Deed

Sales Price 800,000 WOP

Owner CONSERVATION EASESEMENT WITH  
 JEFFERSON LAND TRUST

5 1/2 SW 1/4 (Between Creek & Co Rd  
less N 500')  
less R/W subj ConsEas Ex#  
12575  
**OPEN SPACE** *agl*

Concrete Block		PARTITIONS	
Brick		Plaster	
Stone		Drywall	✓
✓ Piers	HEATING	Compo.	
EXT. WALLS	Forced	Paper	
Revel	Gravity	Wood Panel	
Rustic	Floor or Wall	Plywood	
B. and B.	✓ <i>spc Htr</i>	CEILING	
✓ Vertical T-111	Hot Water	Plaster	
Wood Shingles	Baseboard	Drywall	✓
Comp. Shingles	C. I. Rad.	Compo.	
Aluminum	Floor Rad.	Plywood	
Comp. Shakes	✓ <i>wood</i>	Tile	
Wood Shakes	Electric	Paper	
Low Cost	Wall Units	Wood Panel	
Average	Baseboard	Glass Panel	
Good	Glass Panel	FLOORS	
Concrete Block	Ceiling Rad.	Single	
Stucco	Floor Rad.	Double	
Brick		Softwood	
Common		Hardwood	
Roman	0 FIREPLACE	Plywood	
Stone	1 Sty. Single	Carpet	✓ <i>160</i>
✓ Drop	1 Sty. Bkd.	Tile	
	2 Sty. Single	Concrete	
ROOF	2 Sty. Bkd.	Linoleum	✓ <i>40</i>
Flat	2 Sty. Skd.		
✓ Hip		BASEMENT	
Double	0 EXTRAS	None	
	B. I. Oven	Full	
Pitch	B. I. Range	✓ <i>20x16 unfin.</i>	
✓ Low	Hood and Fan	No. Rooms	
Medium	Water Soft.	Class Rooms	
Sleep		Daylight	
✓ Shingles			
Wood	BUILT-INS	PLUMBING	
✓ Composition	✓ Fir	1st G.	2nd G.
Aluminum	Hardwood	Toilet	Shower Stall
	Metal	Tub	Tub Shower
Shakes	Lineal Feet	✓ <i>1</i>	Sink
Light	LIGHTING	✓ <i>1</i>	
Medium	Good	Laundry Fac.	
Heavy	Average	✓ <i>1</i>	
Built-up	✓ Poor	✓ <i>1</i>	
Roll		Hot Water Heater	
Tile		Counters - Sq. Feet	
		No. Fixtures	

Class FRIR Perimeter \_\_\_\_\_  
 Condition P Square ft. 920  
 Year Built 1944 Const. Cost \$ \_\_\_\_\_

Rate Adj. \_\_\_\_\_  
 Base Rate 900" siding  
Floor  
heat  
Rad

TOTAL RATES 2676

ADJ. BASE RATE \_\_\_\_\_

ADDED FEATURES

Basement 3204 unfin. @ 7.71

Basement Rooms \_\_\_\_\_

Heating \_\_\_\_\_

Plumbing - 10

Fireplace \_\_\_\_\_

Attached Garage \_\_\_\_\_

Upper Stories \_\_\_\_\_

Extras \_\_\_\_\_

144" EFP @ 50% 7200

OWP 25% @ 5% 1250

TOTALS 4950

Adjusted Total \_\_\_\_\_

Area 920 2676 P.S.F. 24160

Added Features 4450

Total Base Cost 29110

1972 Cost Index 113 x Base C. 32789

Depreciation 20% Phy.-Func.-Econ. 12631

Additional Buildings See add sheet 29675

Total Value \_\_\_\_\_

Assessed Value 100% 55990

LAND 6000

1/2 S 4-27-8 two new OSR 3965

1/2 S 4-27-8 two new OSR 3965

1/2 S 4-27-8 two new OSR 3965

1/2 S 4-27-8 two new OSR 3965

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1/2 S 4-27-8 two new OSR 3965

1/2 S 4-27-8 two new OSR 3965





1979 MARKET VALUE	
123 5' 3000 + 1000 =	4000
18 AC PAST 1500	27000
	31,000











BUILDING NO <b>1</b> OF <b>1</b>		TABLE YEAR <b>95</b>		PARCEL NUMBER <b>901233010</b>																									
APPRAISER <b>RS</b>		APPR. DATE <b>1/01/95</b>		S23 T29 R1W																									
TYPE <b>HOUSE</b>		CONTACT		S1/2 SW(BETWEEN CO																									
STYLE <b>1 STY</b>		RENTER		RD & CREEK)LESS N																									
QUALITY <b>FAIR -</b>		BUILT <b>1944</b>		500' LESS R/W																									
CONDITION <b>AVG</b>		REMODEL <b>1986</b>																											
MARKET MODIFIER <b>%</b>		EFFECTIVE AGE <b>20</b>		TAX DISTRICT <b>211</b> LAND USE CODE <b>8100</b>																									
INTEREST IMPS. %		OBSCOLESCENCE %		NEIGHBORHOOD <b>4270</b> CHANGE DATE <b>8/17/95</b>																									
INTEREST LAND %		PHYSICAL DEP. % <b>25</b>		CHANGE REASON <b>REVALUATION</b>																									
<b>MOBILE HOME</b> MAKE _____ YEAR _____ MODEL _____ SIZE _____ X SERIAL NO _____ SKIRTING _____ L.F. _____ TYPE _____																													
<b>CHARACTERISTICS</b> EXTERIOR <b>FL/T1</b> ROOF CVR. <b>COMP</b> FOUNDATION <b>FO&amp;BL</b> FLR. CONST. <b>FRAME</b> FLOOR COVER VINYL % <b>40</b> CARPT % <b>60</b> VERIFIED <b>YES</b> HEAT <b>WD/NO</b> FIREPLACE grade <b>#1 WD ST AVG</b> <b>#2</b> INT. WALLS		<b>PLUMBING</b> SINK <b>1</b> OTHER W.H. <b>1</b> LAV. <b>1</b> TOTAL <b>5</b> TOILET <b>1</b> SHOWER VERIFIED <b>YES</b> TUB/SHR. <b>1</b>		<b>GARAGE</b> AREA TYPE QUALITY EXTERIOR ROOF CVR. FIN. INT.																									
		<b>BUILT-IN APPLIANCES</b> RANGE/OVEN REFRIGERATOR HOOD/FAN INTERCOM DISHWASHER VACUUM GARB. DISP. EL. GAR. DR. TRASH COMP. HOT TUB MICROWAVE SAUNA		<b>OUTSIDE IMPS</b> WOOD PRCH. CONC. PRCH. ENCLOSED DECK <b>252</b> PATIO BALCONY ROOF ASPHALT DR. CONC. DR.																									
<b>BUILDING SIZE</b> 1ST FLOOR <b>1498</b> 2ND FLOOR 3RD FLOOR ATTIC LOFT MOBILE BEDROOMS FULL BATHS HALF BATHS		<b>BASEMENT</b> AREA <b>320</b> QUALITY <b>LOW</b> FINISH % INC. GAR.		<b>CARPORT</b> AREA QUALITY ROOF CVR. FLOOR																									
		VERIFIED <b>YES</b>		<b>ADDITIONAL IMPROVEMENTS</b> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>#1 AREA</td> <td>#2 AREA</td> </tr> <tr> <td>BUILT YR.</td> <td>BUILT YR.</td> </tr> <tr> <td>TYPE</td> <td>TYPE</td> </tr> <tr> <td>CLASS</td> <td>CLASS</td> </tr> <tr> <td>EXTERIOR</td> <td>EXTERIOR</td> </tr> <tr> <td>ROOF CVR.</td> <td>ROOF CVR.</td> </tr> <tr> <td>FLOOR</td> <td>FLOOR</td> </tr> <tr> <td>FIN. INT.</td> <td>FIN. INT.</td> </tr> <tr> <td>EFF AGE</td> <td>EFF AGE</td> </tr> <tr> <td>DEP. %</td> <td>DEP. %</td> </tr> <tr> <td>COMP. %</td> <td>COMP. %</td> </tr> <tr> <td colspan="2">OTHER IMPROVEMENTS \$ <b>55,000</b></td> </tr> </table>		#1 AREA	#2 AREA	BUILT YR.	BUILT YR.	TYPE	TYPE	CLASS	CLASS	EXTERIOR	EXTERIOR	ROOF CVR.	ROOF CVR.	FLOOR	FLOOR	FIN. INT.	FIN. INT.	EFF AGE	EFF AGE	DEP. %	DEP. %	COMP. %	COMP. %	OTHER IMPROVEMENTS \$ <b>55,000</b>	
#1 AREA	#2 AREA																												
BUILT YR.	BUILT YR.																												
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DEP. %	DEP. %																												
COMP. %	COMP. %																												
OTHER IMPROVEMENTS \$ <b>55,000</b>																													
<b>REPLACEMENT VALUE</b> \$ <b>63,670</b> <b>NEW CONSTRUCTION</b> (\$ ) <b>% GOOD</b> <b>75</b> % <b>UNWRK. BUILDINGS</b> \$ <b>% COMPLETION</b> % <b>PLUS/MINUS</b> \$ <b>ADJUSTED VALUE</b> \$ <b>47,753</b> <b>ADJUSTED IMPS</b> \$ <b>103,40</b> <b>102,755</b> <b>ADDITIONAL IMPS.</b> \$ <b>55,000</b> <b>TOTAL LAND</b> \$ <b>9,515</b> <b>TOTAL BUILDING</b> \$ <b>102,753</b> <b>TOTAL VALUE</b> \$ <b>113,155</b> <b>112,270</b>																													
REMARKS <b>3.75AC RD FRTG</b>																													
LAND CODE	USE FOREST OPEN SPACE IMPROVED UNIMPROVED	QUANTITY	RATE \$	#1 ADJ. %	#2 ADJ. %	VALUE \$	WATERFRONT NO BANK LOW BANK MED BANK HIGH BANK BEACH A. TIDELANDS OYSTERLANDS	VIEW MARINE TERRITORIAL GOOD AVERAGE FAIR NONE	TOPOG. CLEAR WOODED SWAMP LEVEL SLOPING DIFFICULT	CONTIGUOUS																			
8102	2	1.00 Acres	225			225		1	1																				
9812	3	1 Site	6000			6,000																							
8102	2	14.63 Acres	225			3,292																							
<b>FAIR MARKET</b> <b>TIMBER</b> <b>.00 ACRES</b> \$ <b>0</b>																													
1775	A	2.75 Acres	4500			12,375				On Sp Agriculture																			
8775	A	11.88 Acres	2000			23,760				On Sp Agriculture																			











BUILDING NO. 1 OF 1 APPRAISER CH TYPE 102 HOUSE STYLE 1 STY QUALITY CONDITION MARKET MODIFIER % INTEREST IMPS. % INTEREST LAND %		TABLE YEAR 2007 APPR. DATE 1/01/2007 CONTACT RENTER BUILT 1944 REMODEL 1986 EFFECTIVE AGE 30 OBSOLESCENCE % PHYSICAL DEP. % 44		PARCEL NUMBER 901233010 S23 T29 R1W S1/2 SW (BETWEEN CO RD & CREEK) LESS N 500' LESS R/W TAX DISTRICT 211 LAND USE CODE 8100 NEIGHBORHOOD 4270 CHANGE DATE 7/20/2007 CHANGE REASON REVALUATION SITUS ADDRESS																					
<b>MOBILE HOME</b> MAKE YEAR MODEL SIZE X SERIAL NO. SKIRTING L.F. TYPE																									
<b>CHARACTERISTICS</b> EXTERIOR FL/T1 ROOF CVR. COMP FOUNDATION F&BL FLR. CONST. FRAME FLOOR COVER VINYL % 40 CARPT % 60 VERIFIED YES HEAT WD/NO FIREPLACE grade #1 WD ST AVG #2 INT. WALLS		<b>PLUMBING</b> SINK 1 OTHER W.H. 1 LAV. 1 TOTAL 5 TOILET 1 SHOWER VERIFIED YES TUB/SHR. 1  <b>BUILT-IN APPLIANCES</b> RANGE/OVEN REFRIGERATOR HOOD/FAN INTERCOM DISHWASHER VACUUM GARB. DISP. EL. GAR. DR. TRASH COMP. HOT TUB MICROWAVE SAUNA  VERIFIED YES		<b>GARAGE</b> AREA TYPE QUALITY EXTERIOR ROOF CVR. FIN. INT.																					
				<b>OUTSIDE IMPS</b> WOOD PRCH. CONC. PRCH ENCLOSED DECK 252 PATIO BALCONY ROOF ASPHALT DR. CONC. DR.																					
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<b>#1 AREA</b> BUILT YR. TYPE CLASS EXTERIOR ROOF CVR. FLOOR FIN. INT. EFF. AGE DEP % COMP. % OTHER IMPROVEMENTS \$ 40,000	<b>#2 AREA</b> BUILT YR. TYPE CLASS EXTERIOR ROOF CVR. FLOOR FIN. INT. EFF. AGE DEP % COMP. %																								
REPLACEMENT VALUE \$ 97,307 % GOOD 56 % % COMPLETION % ADJUSTED VALUE \$ 54,492 ADDITIONAL IMPS. \$ 40,000 TOTAL BUILDING \$ 94,492 REMARKS 3.75 AC RD FRTG		NEW CONSTRUCTION (\$ ) UNWRK. BUILDINGS \$ PLUS/MINUS \$ ADJUSTED IMPS \$ 94,490 TOTAL LAND \$ 13,515 TOTAL VALUE \$ 108,005																							
LAND CODE	USE			QUANTITY	RATE \$	#1 ADJ. %	#2 ADJ. %	VALUE \$	WATERFRONT						VIEW				TOPOG.				CONTIGUOUS		
	FOREST	OPEN SPACE	IMPROVED						UNIMPROVED	NO BANK	LOW BANK	MED. BANK	HIGH BANK	BEACH A.	TIDELANDS	OYSTERLANDS	MARINE	TERRITORIAL	GOOD	AVERAGE	FAIR	NONE		CLEAR	WOODED
8102	2				1.00 Acres	225			225									1	3	1	2				
9810	3				1 Site	10000			10,000																
8102	2				14.63 Acres	225			3,292																
<b>FAIR MARKET</b>		<b>TIMBER</b>		.00 ACRES \$				0																	
1775	A				2.75 Acres	5500			15,125	Op Sp Agriculture															
8775	A				11.88 Acres	3000			35,440	Op Sp Agriculture															



BUILDING NO. 1 OF 1 APPRAISER CH TYPE 102 HOUSE STYLE 1 STY QUALITY CONDITION MARKET MODIFIER % INTEREST IMPS. % INTEREST LAND %		TABLE YEAR 2011 APPR. DATE 1/01/2011 CONTACT RENTER BUILT 1944 REMODEL 1986 EFFECTIVE AGE 30 OBSOLESCENCE % 20 PHYSICAL DEP. % 44		PARCEL NUMBER 901233010 S23 T29 R1W S1/2 SW(BETWEEN CO RD & CREEK) LESS N 500' LESS R/W TAX DISTRICT 211 LAND USE CODE 8100 NEIGHBORHOOD 4270 CHANGE DATE 7/20/2011 CHANGE REASON REVALUATION SITUS ADDRESS																																																																																																																																																																																																																																																																																																																																		
<b>MOBILE HOME</b> MAKE YEAR MODEL SIZE X SERIAL NO. SKIRTING L.F. TYPE																																																																																																																																																																																																																																																																																																																																						
<b>CHARACTERISTICS</b> EXTERIOR FL/T1 ROOF CVR. COMP FOUNDATION FOSBL FLR. CONST. FRAME FLOOR COVER VINYL % 40 CARPT % 60 VERIFIED YES HEAT WD/NO FIREPLACE grade #1 WD ST AVG #2 INT. WALLS		<b>PLUMBING</b> SINK 1 OTHER W.H. 1 LAV. 1 TOTAL 5 TOILET 1 SHOWER VERIFIED YES TUB/SHR. 1  <b>BUILT-IN APPLIANCES</b> RANGE/OVEN REFRIGERATOR HOOD/FAN INTERCOM DISHWASHER VACUUM GARB. DISP. EL. GAR. DR. TRASH COMP. HOT TUB MICROWAVE SAUNA  VERIFIED YES		<b>GARAGE</b> AREA TYPE QUALITY EXTERIOR ROOF CVR. FIN. INT.																																																																																																																																																																																																																																																																																																																																		
				<b>OUTSIDE IMPS</b> WOOD PRCH. CONC. PRCH ENCLOSED DECK 252 PATIO BALCONY ROOF ASPHALT DR. CONC. DR.																																																																																																																																																																																																																																																																																																																																		
<b>BUILDING SIZE</b> 1ST FLOOR 1498 2ND FLOOR 3RD FLOOR ATTIC LOFT MOBILE BEDROOMS FULL BATHS HALF BATHS		<b>ADDITIONAL IMPROVEMENTS</b> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">           #1 AREA            BUILT YR.            TYPE            CLASS            EXTERIOR            ROOF CVR.            FLOOR            FIN. INT.            EFF. AGE            DEP %            COMP. %            OTHER IMPROVEMENTS \$         </td> <td style="width:50%;">           #2 AREA            BUILT YR.            TYPE            CLASS            EXTERIOR            ROOF CVR.            FLOOR            FIN. INT.            EFF. AGE            DEP %            COMP. %            OTHER IMPROVEMENTS \$ 40,000         </td> </tr> </table>				#1 AREA BUILT YR. TYPE CLASS EXTERIOR ROOF CVR. FLOOR FIN. INT. EFF. AGE DEP % COMP. % OTHER IMPROVEMENTS \$	#2 AREA BUILT YR. TYPE CLASS EXTERIOR ROOF CVR. FLOOR FIN. INT. EFF. AGE DEP % COMP. % OTHER IMPROVEMENTS \$ 40,000																																																																																																																																																																																																																																																																																																																															
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# OWNERSHIP HISTORY

PARCEL NO. 901233010

AFF.# 38270 DATE 2/28/19 DEED \_\_\_\_\_  
 SALES PRICE \$96,735<sup>00</sup> WOP  
 OWNER Roger D Short  
Sandy Short #133858+136257

SEC/LOT \_\_\_\_\_ TWP \_\_\_\_\_ RGE \_\_\_\_\_ BLOCK \_\_\_\_\_  
S23 T29 R1W S1/2 SW (BETWEEN CO RD  
& CREEK) LESS N 500' LESS R/W

AFF.# \_\_\_\_\_ DATE \_\_\_\_\_ DEED \_\_\_\_\_  
 SALES PRICE \_\_\_\_\_  
 OWNER \_\_\_\_\_

TOTAL SIZE 15.63ac  
 TAX CODE 0211 NEIGHBORHOOD 4270

AFF.# \_\_\_\_\_ DATE \_\_\_\_\_ DEED \_\_\_\_\_  
 SALES PRICE \_\_\_\_\_  
 OWNER \_\_\_\_\_

## IMPROVEMENTS

PERMIT # \_\_\_\_\_ DATE \_\_\_\_\_  
 EST VALUE \_\_\_\_\_ USE COLOR \_\_\_\_\_  
 BLDG INFO \_\_\_\_\_

1720 Center Rd

AFF.# \_\_\_\_\_ DATE \_\_\_\_\_ DEED \_\_\_\_\_  
 SALES PRICE \_\_\_\_\_  
 OWNER \_\_\_\_\_

## PROGRAM INFO.

SENIOR CITIZEN EXEMPTION ☐  
 SINGLE FAMILY EXEMPTION ☐  
 TO BE REMOVED \_\_\_\_\_  
 OPEN SPACE AG ☐ (GRADE)  
 TBR ☐  
 O.S. ☐ (ACRES)

AFF.# \_\_\_\_\_ DATE \_\_\_\_\_ DEED \_\_\_\_\_  
 SALES PRICE \_\_\_\_\_  
 OWNER \_\_\_\_\_

FOREST LANDS DESIG. ☐  
 CLAS. ☐ (ACRES)  
 ACRES GRADE \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

AFF.# \_\_\_\_\_ DATE \_\_\_\_\_ DEED \_\_\_\_\_  
 SALES PRICE \_\_\_\_\_  
 OWNER \_\_\_\_\_

AFF.# \_\_\_\_\_ DATE \_\_\_\_\_ DEED \_\_\_\_\_  
 SALES PRICE \_\_\_\_\_  
 OWNER \_\_\_\_\_

AFF.# \_\_\_\_\_ DATE \_\_\_\_\_ DEED \_\_\_\_\_  
 SALES PRICE \_\_\_\_\_  
 OWNER \_\_\_\_\_

## COMMENTS

AFF.# \_\_\_\_\_ DATE \_\_\_\_\_ DEED \_\_\_\_\_  
 SALES PRICE \_\_\_\_\_  
 OWNER \_\_\_\_\_

AFF.# \_\_\_\_\_ DATE \_\_\_\_\_ DEED \_\_\_\_\_  
 SALES PRICE \_\_\_\_\_  
 OWNER \_\_\_\_\_



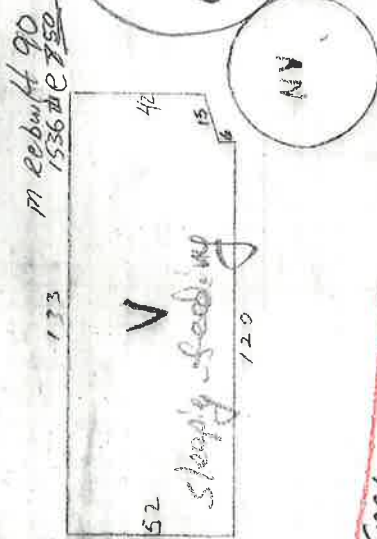
PROPERTY DATA	
DEVELOPED ACCESS:	NONE <input type="checkbox"/>
	POOR <input type="checkbox"/>
	GOOD <input type="checkbox"/>
UTILITIES:	
ELECTRICITY	<input type="checkbox"/>
WELL	<input type="checkbox"/>
WATER SYTEM	<input type="checkbox"/>
SEPTIC:	
CONVENTIONAL	<input type="checkbox"/>
MOUND	<input type="checkbox"/>
OTHER	<input type="checkbox"/>
SEWER	<input type="checkbox"/>
ADDITIONAL COMMENTS	







ROGER  
SHORT  
PROPERTY  
S 1/2 SW 1/4 Between  
Creek and County  
Road Area 1500  
523-729-RW



1987/1991

Misc Buildings — 15,000  
Milk Parlor 35,000  
Commodities shed 10,000  
Shop 51,000  
2500  
SBSD 91"

"R" Residential Rate

# COMPUTATIONS

Identif ication	IF	Rate Commercial	Cost	Dep	Dep Ref
A					
B					
C					
D	1000	4.50	4500	-85	4500
E	500	1.48	740	50	740
F					
G					
H					
I					
J					
K					
L					
M	576	4.16	2396	30	2396
N	54	R = 383	207	50	207
O	256	513	1313	50	1313
P	600	513	3078	50	3078
Q	4224	330	13939	95	13939
R	384	297	1140	90	1140
S	2880	336	9677	70	9677
T	7800	63	4914	50	4914
U	3240	311	10076	60	10076
V	6786	311	21104	45	21104

11600 Farm  
Improvements

277705  
29,675



"79" FARM Bldgs  
assessments on this  
Sheet (inside)

OPEN  
HERE

for Roger Short

Pull

down



3  
( \$35,000 NEW milking  
\$10,000 parlor  
on floor )

32x48 commodity shed

X  
Tin roof  
- Conc siding @ Boards  
open side



<b>Owner:</b> ROGER D SHORT 1720 CENTER RD CHIMACUM WA 98325-9779	<b>Parcel Type:</b> R	<b>Improvements:</b> 85,135 <b>Non-CU Land:</b> 15,000 <b>OS/Tbr FMV:</b> 80,200 <b>Total FMV:</b> 180,335 <b>OS/Tbr CUV:</b> 3,528 <b>Total Land:</b> 18,528 <b>Frozen Value:</b>  <b>Taxable Value:</b> <b>103,663</b>	<b>PID:</b> 21991 <b>Parcel (Geo) #:</b> 901233010 S23 T29 R1W S1/2 SW(BETWEEN CO RD & CREEK) LESS N 500' LESS R/W SUBJ/CONS EASE EX#125752  <b>Land Use Code:</b> 8300 <b>Status:</b> TX <b>Situs:</b>
<b>Tax District:</b> 0211 <b>Mkt/Neigh %</b>	<b>Neighborhood:</b> 4270 <b>Imps:</b> 105.00	<b>Acres:</b> 15.63 <b>Land:</b> 100.00	

Previous Year: 2017 Imps: 81,081 Land: 95,200 Taxable: 99,609

Event Log	Date	By	Note
APPR_NOTE	05/25/2017	EN	EN 5/25/17 TWO, HOUSE ROOF NOW METAL, HPUMP, 6 AG BLDGS ON PROPERTY, 7 PICS.

**Improvements:**

Imprv ID	Type	Description	Year Built			Stories	Imprv Comment									
7091	R	House	1944			1.0	Remodel Yr: 1986									
Detail ID	Type	Description	Class	SubC	Yr Built	Cond	Dep%	Phy-Econ-Func%	Cp%	Qty	Area	Rate/SqFt	Adj	Calc		
24419	MA	Main Floor	2-	1S	1944	04	41	100	100	100	100	1	1,498.0	74.40	0.41	46,529
		Features:	Description			Code			Qty			Value Included (*in base rate if applicable)				
			Inside Verify			YES-FIX			1			*				
			Foundation			PO&BL			1			*				
			Floor Construction			FRAME			1			*				
			Floor Cover (allowance)			01BASE			1			*				
			Exterior Wall			PL/T1			1			*				
			Roof Cover			METAL			1			*				
			Heating/Cooling			HPUMP			1			*				
			Fireplace			WD ST-AVG			1			800				
			Appliances (base/list)			01BASE			1			2,200				
			Plumbing Fixtures Cnt (#)			5			1			-965				
24422	BSMTU	Basement	1	*	1944	03	31	100	100	100	100	1	320.0	27.12	0.31	2,690
24420	HDECK	House Deck	2	*	1944	03	41	100	100	100	100	1	252.0	15.62	0.41	1,614
24421	BARN	6 AG BUILDINGS	1	*	1944	03	27	100	100	100	100	1	21,528.0	7.50	0.27	30,000
Imp 7091 Total:		Flat: 81,081		Calc:		Source: Flat				Mkt/Neigh %: 1.05			Assessed:		85,135	
Improvements Total:															85,135	

**Land:**Characteristics: APCALC: Erik  
VIEW: Territorial  
ZONING: AP-20

Segmt ID	SC	Type	Land Type	Base Area	Codes	Qty	UOM	Rate	Adjustments Adj(x)	Mkt/ Amt \$	Neigh(x)	Value
26704	11	9810	Well, Septic, & Power			1	SiteImps	15,000	1.00		1.00	15,000
26705	83	1775A	Terr/Mtn View >15-25 Acres			2.75	Acre	5,000	1.00		1.00	13,750
26703	83	4270-1375S	Residential Sites 1+/- Ac SomeTerritorial Views			1	Site	36,750	1.00		1.00	36,750
26706	83	4270-8775A	Terr View Acreage Used Primarily for Pasture			11.88	Acre	2,500	1.00		1.00	29,700
<b>Land FMV Total:</b>												<b>95,200</b>

**Current Use:**

Segmt ID	SC	Type	Description	Qty	UOM	Rate	Value
26705	83	AG2	AG Open Space Agriculture	2.75	Acre	225	619
26703	83	AGH	AG Open Space Agriculture	1.00	Acre	236	236
26706	83	AG2	AG Open Space Agriculture	11.88	Acre	225	2,673
<b>Land CU Total:</b>							<b>3,528</b>

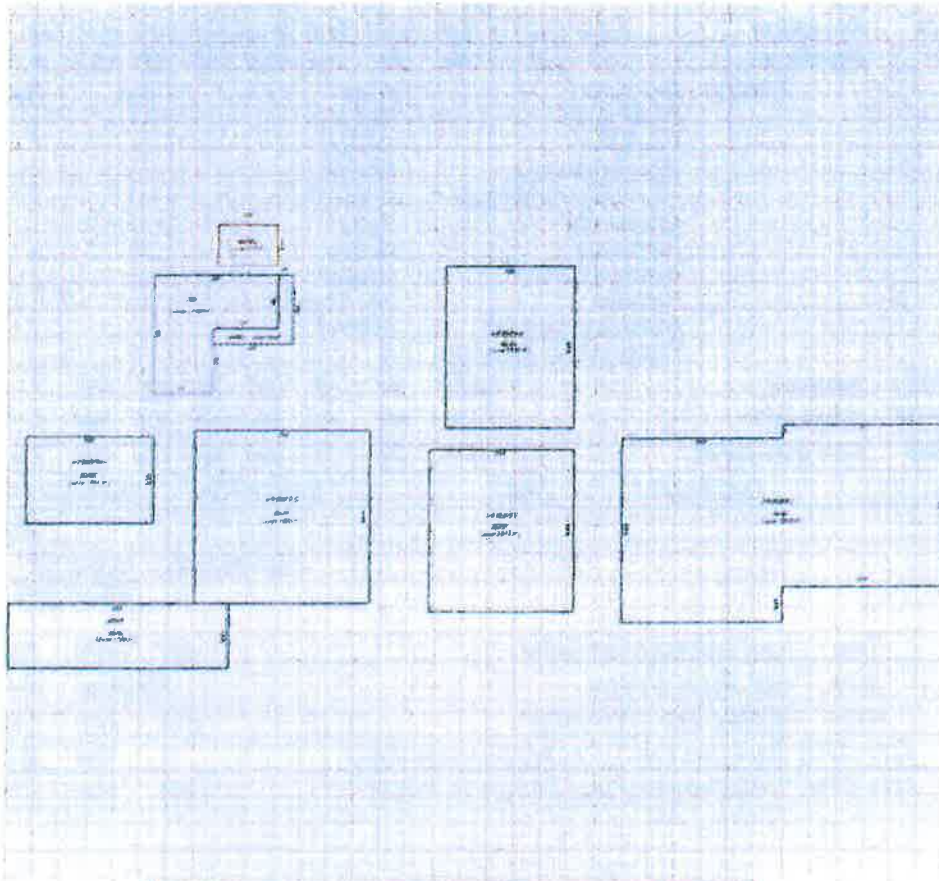


Imprv ID: 0  
Image #: 89797  
Date: 05/25/2017  
Type: PIC (Main)  
Subtype: DISPLAY  
By: EN



↓ SKETCH ↓

Imprv ID: 7091  
Image #: 103479  
Date: 05/26/2017  
Type: SKETCH\_LG  
Subtype: SKETCH\_LG  
By: EN



Imprv ID: 0  
Image #: 89791  
Date: 05/25/2017  
Type: PIC  
Subtype: REFERENCE  
By: EN





Imprv ID: 0  
Image #: 89792  
Date: 05/25/2017  
Type: PIC  
Subtype: REFERENCE  
By: EN



Imprv ID: 0  
Image #: 89793  
Date: 05/25/2017  
Type: PIC  
Subtype: REFERENCE  
By: EN



Imprv ID: 0  
Image #: 89794  
Date: 05/25/2017  
Type: PIC  
Subtype: REFERENCE  
By: EN





Imprv ID: 0  
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Date: 05/25/2017  
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Subtype: REFERENCE  
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Imprv ID: 0  
Image #: 89796  
Date: 05/25/2017  
Type: PIC  
Subtype: REFERENCE  
By: EN





# 901 262002 RESIDENTIAL APPRAISAL

Roll No. .... Page No. ....  
Map No. .... Photo No. ....  
Monthly Rent .....  
Remodeled 19..... Cost \$.....  
Sold 19..... Amount \$.....  
Sold 19..... Amount \$.....

Owner .....  
Address .....  
Permit No. ....  
Date .....

Roger D. Short

Box 338

CHIMACUM, WASH 98325

SEC/LOT | TWP | RGE | BLOCK 27 | DISTRICT  
526 TR9 RIW 80.00 1-49 F1  
26.36

NW 1/4 CLESS PTNS E of CO. RD.

3 W of VALLEY RIDGELINE  
LAND QUALITY

GOOD AVERAGE POOR

ACCESS AND TOP SOIL

Class FAV. AV Perimeter  
Condition Square ft.  
Year Built Const. Cost \$

2330

Rate Adj. - +  
Base Rate

1978 FLEETWOOD  
70'X14' REV 48  
REAL PROPERTY

TOTAL RATES

ADJ. BASE RATE - +  
ADDED FEATURES

Basement  
Basement Rooms  
Heating  
Plumbing 40'X10' OUP. 4000 3 1200  
Fireplace  
Attached Garage  
Upper Stories  
Extras

See Over

TOTALS

Adjusted Total  
Area.....x.....P.S.F.  
Added Features  
Total Base Cost  
19.....Cost Index.....% x Base C.  
Depreciation.....% Phy.-Func.-Econ.  
Additional Buildings  
Total Value  
Assessed Value MH 14285 + 4980 19265

BUILDING	CONSTRUCTION	STORIES	1	1/2	2	A	B
Dwelling	Single	No. Rooms					
Duplex	Double	No. Rooms					
FOUNDATION	Block	No. Bedrooms					
Conc. 6 8 10	Insul.						
Concrete Block		PARTITIONS					
Brick		Plaster					
Stone	HEATING	Drywall					
Piers	Forced	Compo.					
EXT. WALLS	Gravity	Paper					
Bevel	Floor or Wall	Wood Panel					
Rustic		Plywood					
B. and B.	Hot Water	CEILING					
Vertical	Baseboard	Plaster					
Wood Shingles	C. I. Rad.	Drywall					
Comp. Shingles	Floor Rad.	Compo.					
Aluminum		Plywood					
Comp. Shakes	Electric	Tile					
Wood Shakes	Wall Units	Paper					
Low Cost	Baseboard	Wood Panel					
Average	Glass Panel						
Good	Ceiling Rad.	FLOORS					
Concrete Block	Floor Rad.	Single					
Stucco		Double					
Brick		Softwood					
Common		Hardwood					
Roman	FIREPLACE	Plywood					
Stone	1 Sty. Single	Carpet					
	1 Sty. Bkd.	Tile					
	2 Sty. Single	Concrete					
ROOF	2 Sty. Bkd.	Linoleum					
Flat	2 Sty. Stkd.						
Hip		BASEMENT					
Gable	EXTRAS	None					
	B. I. Oven	Full					
Pitch	B. I. Range	Part					
Low	Hood and Fan	No. Rooms					
Medium	Water Soft.	Class Rooms					
Steep		Daylight					
Shingles							
Wood	BUILT-INS	PLUMBING					
Composition	Fir	1st G.					
Aluminum	Hardwood	Toilet					
	Metal	Tub					
Shakes	Lineal Feet	Lav.					
Light	LIGHTING	Sink					
Medium	Good	Laundry Fac.					
Heavy	Average	Garbage Disp.					
Built-up	Poor	Dishwasher					
Roll		Hot Water Heater					
Tile		Counters - Sq. Feet					
		No. Fixtures					

Deputy	Mo	Da	Yr	Remarks
MM	12	24	82	RS 4-87 RS 3-13-91 N/C RS 10-14-98 RS 6-18-03 RS 7-9-07
CH	7	7	11	





# PHYSICAL DATA

Frontage \_\_\_\_\_ Width \_\_\_\_\_ Depth \_\_\_\_\_

Unit Foot Frontage \_\_\_\_\_

Shape \_\_\_\_\_ Contour, Topography Rolling

Soil and Subsoil \_\_\_\_\_

Landscape Features Wooded & cleared

Utility Connections (Underline):

Electricity, Water, Sewer, Storm Sewer,

Sanitary Sewer, Gas, Telephone

Comments \_\_\_\_\_

Corner Influence \_\_\_\_\_

Type of Street, Curbs, Walks B+

## SPECIAL ASSESSMENTS

Zoning (Use) \_\_\_\_\_

Restrictions, Easements \_\_\_\_\_

## OTHER BUILDINGS

## IMPROVEMENTS

No.	Type	DESCRIPTION						Dimensions	Area	Rate	Qual. Index % MDF	Repl. Cost	Dep. %	Depreciated Replacement Cost
	Use	Found.	Floor	Roof	Walls	Condition								
								42x60	Lofting shed					
								#	Rate	Cost		Dep.		
								2520	2	5040		20%		= 3780 2500

Bldg Z

(see map - Section 23)  
(Roger Short's property)

## PLATTED

## PLATTED

Lot No.	Land Value	Impr.	Total	Mo	Dr	Yr	Deputy	Lot No.	Land Value	Impr.	Total	Mo	Dr	Yr	Deputy

1987

MV 1500/acre

## LAND USE

No. Acres	Class	AV @ Ac	Total	No. Acres	Class	AV @ Ac	Total	No. Acres	Class	AV @ Ac	Total

(approx) 76 36 Ac @ 225 = 17,180

Orchard

Pasture

FM

1,500

P/A

Unimproved

FM

Timber

17,500 per

## ROADS

## WATER

Paved	Good	Source	Quantity	
Gravel	Average	Well	Ample	
Dirt	Poor	Spring	Limited	
Private	Limited Ac.	River		
		None	Quality Good Poor	
State	County	Supplier:		
		Water Rights with Land	Yes No	

80 @ 225 = 18,000  
16,36 17,180

50 @ 550 = 27,500



# RESIDENTIAL APPRAISAL

Roll No. \_\_\_\_\_ Page No. \_\_\_\_\_  
 Map No. \_\_\_\_\_ Photo No. \_\_\_\_\_  
 Monthly Rent \_\_\_\_\_  
 Remodeled 19 25-79 Cost \$ 46,500 W.P. # 38269  
 Sold 19 25-79 Amount \$ 46,735 # 38270  
 Sold 19 \_\_\_\_\_ Amount \$ \_\_\_\_\_

Owner \_\_\_\_\_  
 Address \_\_\_\_\_

Roger D. Short

P.O. Box 338

Chimacum, wa 98325

Permit No. \_\_\_\_\_  
 Date \_\_\_\_\_

SEC/LOT | TWP | RGE | BLOCK | DISTRICT  
 26 | 29N | 1W | 4364 | 1-49142

NW 1/4 (w/ Valley Ridge line)

BUILDING	CONSTRUCTION	STORIES	1	1/2	2	A	B
Dwelling	Single	No. Rooms					
Duplex	Double	No. Baths					
FOUNDATION	Block	No. Bedrooms					
Conc. 6 8 10	Insulation						
Concrete Block		PARTITIONS					
Brick		Plaster					
Stone	HEATING	Drywall					
Piers	Forced	Compo.					
EXT. WALLS	Gravity	Paper					
Bevel	Floor or Wall	Wood Panel					
Rustic		Plywood					
B. and B.	Hot Water	CEILING					
Vertical	Baseboard	Plaster					
Wood Shingles	C. I. Rad.	Drywall					
Comp. Shingles	Floor Rad.	Compo.					
Aluminum		Plywood					
Comp. Shakes	Electric	Tile					
Wood Shakes	Wall Units	Paper					
Low Cost	Baseboard	Wood Panel					
Average	Glass Panel						
Good	Ceiling Rad.	FLOORS					
Concrete Block	Floor Rad.	Single					
Stucco		Double					
Brick		Softwood					
Common		Hardwood					
Roman	FIREPLACE	Plywood					
Stone	1 Sty. Single	Carpet					
	1 Sty. Bkd.	Tile					
	2 Sty. Single	Concrete					
ROOF	2 Sty. Bkd.	Linoleum					
Flat	2 Sty. Stkd.						
Hip		BASEMENT					
Gable	EXTRAS	None					
	B. I. Oven	Full					
Pitch	B. I. Range	Part					
Low	Hood and Fan	No. Rooms					
Medium	Water Soft.	Class Rooms					
Steep		Daylight					
Shingles							
Wood	BUILT-INS	PLUMBING					
Composition	Fir	1st G.					
Aluminum	Hardwood	Toilet					
	Metal	Tub					
Shakes	Lineal Feet	Lav.					
Light	LIGHTING	Laundry Fac.					
Medium	Good	Garbage Disp.					
Heavy	Average	Dishwasher					
Built-up	Poor	Hot Water Heater					
Roll		Counters - Sq. Feet					
Tile		No. Fixtures					

GOOD **DANS QUALITY** AVERAGE POOR

GOOD AVERAGE POOR

ACCESS AND TOPOGRAPHY

FAV AV DIFF INOP

Class \_\_\_\_\_ Perimeter \_\_\_\_\_  
 Condition \_\_\_\_\_ Square ft \_\_\_\_\_  
 Year Built \_\_\_\_\_ Const. Cost \$ \_\_\_\_\_

Rate Adj. - +

Base Rate

Deputy Mo Da Yr Remarks

Timbr / 3930







# 201233010 RESIDENTIAL APPRAISAL

Roll No. .... Page No. ....

Map No. .... Photo No. ....

Monthly Rent. ....

Remodeled 19... Cost \$ WOP  
Sold 19 2-28-79 Amount \$ 96,735 # 38270

Sold 19... Amount \$ .....

Owner ...

Address ...

Permit No. ....

Date ...

SEC/LOT | TWP | RGE | BLOCK | DISTRICT  
23 29 1W 18.62A 1-4911H2  
1614

5 1/2 SW 1/4 (Between Creek & Co Rd  
less N 500')

**OPEN SPACE** age

Class FAIR Perimeter...  
Condition P Square ft. 920  
Year Built 1944 Const. Cost \$ .....

Rate Adj. ...  
Base Rate 900# siding 25.14  
Floor 1412  
Heat  
Rag

TOTAL RATES 2626

ADJ. BASE RATE

ADDED FEATURES

Basement 320# wfin. & 7.71 2463

Basement Rooms

Heating

Plumbing - 10

Fireplace

Attached Garage

Upper Stories

Extras

144# EFP @ 502 8 1225

OWP 252 @ 5 1260

TOTALS 4950

Adjusted Total

Area 920 2626 P.S.F. 2460

Added Features

Total Base Cost 29110

1972 Cost Index 1.13 % x Base C. 321894

Depreciation 20 % Phy.-Func.-Econ. 126313

Additional Buildings See add sheet + 29673

Total Value

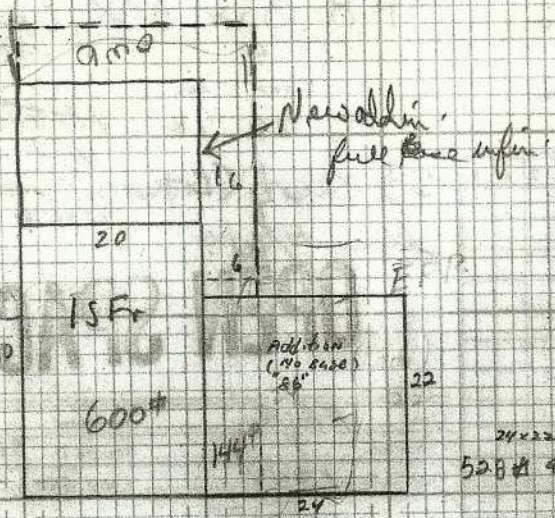
Assessed Value 100% 55990

BUILDING	CONSTRUCTION	STORIES	1	1/2	2	A	B
<input checked="" type="checkbox"/> Dwelling	Single	No. Rooms	4				
<input type="checkbox"/> Duplex	Double	No. Baths	1				
FOUNDATION	Block	No. Bedrooms	2				
Conc. 6 8 10	Insulation						
Concrete Block		PARTITIONS					
Brick		Plaster					
Stone	HEATING	Drywall					
<input checked="" type="checkbox"/> Piers	Forced	Compo.					
EXT. WALLS	Gravity	Paper					
Bevel	Floor or Wall	Wood Panel					
Rustic	<u>Spe Htr</u>	Plywood					
B. and B.	Hot Water	CEILING					
<input checked="" type="checkbox"/> Vertical T-III	Baseboard	Plaster					
Wood Shingles	C. I. Rad.	Drywall					
Comp. Shingles	Floor Rad.	Compo.					
Aluminum	<u>Wood</u>	Plywood					
Comp. Shakes	Electric	Tile					
Wood Shakes	Wall Units	Paper					
Low Cost	Baseboard	Wood Panel					
Average	Glass Panel	<u>DB</u>					
Good	Ceiling Rad.	FLOORS					
Concrete Block	Floor Rad.	Single					
<input checked="" type="checkbox"/> Stucco		Double					
Brick		Softwood					
Common		Hardwood					
Roman	0 FIREPLACE	Plywood					
Stone	1 Sty. Single	Carpet					
<input checked="" type="checkbox"/> Drop	1 Sty. Bkd.	Tile					
	2 Sty. Single	Concrete					
ROOF	2 Sty. Bkd.	Linoleum					
Flat	2 Sty. Stkd.						
<input checked="" type="checkbox"/> Hip		BASEMENT					
Gable	0 EXTRAS	None					
	B. I. Oven	Full					
Pitch	B. I. Range	<u>Part 20x16 wfin.</u>					
<input checked="" type="checkbox"/> Low	Hood and Fan	No. Rooms					
Medium	Water Soft.	Class Rooms					
Sleep		Daylight					
<input checked="" type="checkbox"/> Shingles							
Wood	BUILT-INS	PLUMBING					
<input checked="" type="checkbox"/> Composition	<input checked="" type="checkbox"/> Fir	1st G.					
Aluminum	Hardwood	Toilet					
	Metal	Tub					
Shakes	Lineal Feet	Lav.					
Light	LIGHTING	<input checked="" type="checkbox"/> Laundry Fac.					
Medium	Good	Garbage Disp.					
Heavy	Average	Dishwasher					
Built-up	<input checked="" type="checkbox"/> Poor	Hot Water Heater					
Roll		Counters - Sq. Feet					
Tile		No. Fixtures					

Deputy	Mo	Da	Yr	Remarks
<u>R901</u>	<u>2</u>	<u>10</u>	<u>75</u>	<u>Jan 12-22/92 TWO N/C</u>
<u>mm</u>	<u>12</u>	<u>6</u>	<u>78</u>	<u>Picked up New add. N/E</u>
<u>PSULIR</u>	<u>3</u>	<u>26</u>	<u>91</u>	<u>TWO SHED BAKED 32X44 OTHER BUILDINGS SAME N/E</u>

1/RS 427-8 > TWO. now 08A) 3965  
Low to FAIR RS 429-03  
See add sheet + 29673  
LIAND 6600  
Street 1 of 2 R57407





# PHYSICAL DATA

Frontage \_\_\_\_\_ Width \_\_\_\_\_ Depth \_\_\_\_\_  
 Unit Foot Frontage \_\_\_\_\_  
 Shape \_\_\_\_\_ Contour, Topography HOLLING

Soil and Subsoil \_\_\_\_\_  
 Landscape Features \_\_\_\_\_

Utility Connections (Underline):  
Electricity, Water, Sewer, Storm Sewer,  
Sanitary Sewer, Gas, Telephone  
 Comments \_\_\_\_\_

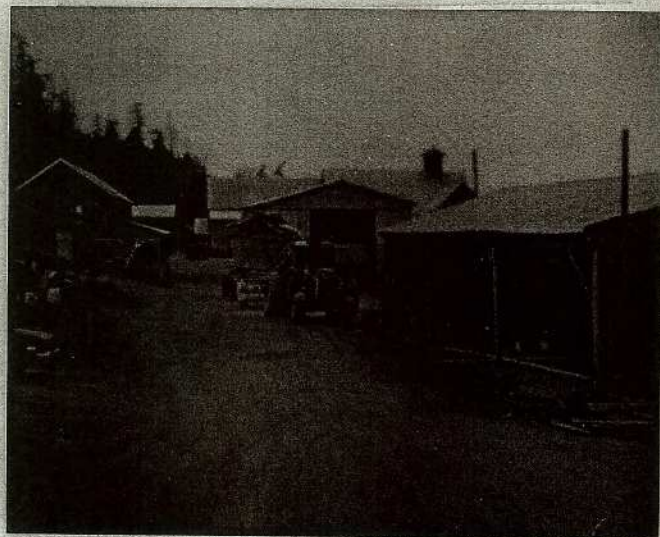
Corner Influence \_\_\_\_\_  
 Type of Street, Curbs, Walks BT

## SPECIAL ASSESSMENTS

Zoning (Use) \_\_\_\_\_  
 Restrictions, Easements +

## OTHER BUILDINGS

## IMPROVEMENTS



4/26/91

4-26-91

Private	25000	60000	Quantity	1 AC Set 3000 + 1000 = 4000
Gravel	Average	Well 20	Ample	18 AC PAST 1500
Dirt	Poor	Spring	Limited	
Private	Limited Ac.	River		
		None	Quality Good Poor	
State	County	Supplies		
		Water Rights with Land	Yes No	

27000  
 31,000



OWNERSHIP HISTORY			PARCEL NO. 901 233 011			
AFF.# 01914	DATE 4-9-90	DEED SWD	SEC/LOT 23	TWP 29N	RGE 1W	BLOCK
SALES PRICE 44,355			TAX 24 (ENLG BY TAX 25)			
OWNER ROGER SHORT			W/EASE			
AFF.#			TAX 25 # 62056			
DATE			TOTAL SIZE 29.56 A 30.31 A			
SALES PRICE			TAX CODE 211 NEIGHBORHOOD			
OWNER			IMPROVEMENTS			
AFF.#			PERMIT #			
DATE			DATE			
DEED			EST VALUE			
SALES PRICE			USE CODE			
OWNER			BLDG INFO			
AFF.#			PROGRAM INFO.			
DATE			SENIOR CITIZEN EXEMPTION			
DEED			SINGLE FAMILY EXEMPTION			
SALES PRICE			TO BE REMOVED			
OWNER			OPEN SPACE			
AFF.#			AG			
DATE			TBR			
DEED			O.S.			
SALES PRICE			DESIG.			
OWNER			CLAS.			
AFF.#			ACRES			
DATE			GRADE			
DEED			FOREST LANDS			
SALES PRICE			DESIG.			
OWNER			CLAS.			
AFF.#			ACRES			
DATE			GRADE			
DEED			COMMENTS			
SALES PRICE						
OWNER						
AFF.#						
DATE						
DEED						
SALES PRICE						
OWNER						
AFF.#						
DATE						
DEED						
SALES PRICE						
OWNER						
AFF.#						
DATE						
DEED						
SALES PRICE						
OWNER						



901 224001 R/W 93  
RESIDENTIAL APPRAISAL 353

Roll No. .... Page No. ....  
Map No. .... Photo No. ....  
Monthly Rent .....  
Remodeled 19 ..... Cost \$ .....  
Sold 19 ..... Amount \$ .....  
Sold 19 7/14/90 Amount \$ TRUST #63570

Owner ...  
Address ...  
Permit No. ....  
Date .....

THE VALLEY VIEW FAMILY TRUST

Norris W. Short.

Box 296

Chinatown, Wash 98325

SEC/LOT | TWP | RGE | BLOCK | DISTRICT  
S22 T29 R1W 80.00 1-47F1  
E 1/2 SE

59.92  
77.92  
Less R/W, less TX 17  
**OPEN SPACE**

Hay Storage and  
Feeding shelters

BUILDING	CONSTRUCTION	STORIES	1	1/2	2	A	B
Dwelling	Single	No. Rooms					
Duplex	Double	No. Baths					
FOUNDATION	Block	No. Bedrooms					
Conc. 6 8 10	Insulation						
Concrete Block		PARTITIONS					
Brick		Plaster					
Stone	HEATING	Drywall					
Piers	Forced	Compo.					
EXT. WALLS	Gravity	Paper					
Bevel	Floor or Wall	Wood Panel					
Rustic		Plywood					
B. and B.	Hot Water	CEILING					
Vertical	Baseboard	Plaster					
Wood Shingles	C. I. Rad.	Drywall					
Comp. Shingles	Floor Rad.	Compo.					
Aluminum		Plywood					
Comp. Shakes	Electric	Tile					
Wood Shakes	Wall Units	Paper					
Low Cost	Baseboard	Wood Panel					
Average	Glass Panel						
Good	Ceiling Rad.	FLOORS					
Concrete Block	Floor Rad.	Single					
Stucco		Double					
Brick		Softwood					
Common		Hardwood					
Roman	FIREPLACE	Plywood					
Stone	1 Sty. Single	Carper					
	1 Sty. Bkd.	Tile					
	2 Sty. Single	Concrete					
ROOF	2 Sty. Bkd.	Linoeum					
Flat	2 Sty. Stkd.						
Hip		BASEMENT					
Gable	EXTRAS	None					
	B. I. Oven	Full					
Pitch	B. I. Range	Part					
Low	Hood and Fan	No. Rooms					
Medium	Water Soft.	Class Rooms					
Steep		Daylight					
Shingles							
Wood	BUILT-INS	PLUMBING					
Composition	Fir	1st G.					
Aluminum	Hardwood	Toilet					
	Metal	Tub					
Shakes	Lined Feet	Lav.					
Light	LIGHTING	Sink					
Medium	Good	Laundry Fac.					
Heavy	Average	Garbage Disp.					
Built-up	Poor	Dishwasher					
Roll		Hot Water Heater					
Tile		Counters - Sq. Feet					
		No. Fixtures					

Class Com - Ar. Shed Derimeter.  
Condition ..... Square ft. (24004) X2  
Year Built ..... Const. Cost \$

Rate Adj. - +  
Base Rate

2 identical units  
of 24007

TOTAL RATES

ADJ. BASE RATE - +  
ADDED FEATURES

Basement  
Basement Rooms  
Heating  
Plumbing  
Fireplace  
Attached Garage  
Upper Stories  
Extras

TOTALS

Adjusted Total  
Area 48.00 x ..... P.S.F.

Added Features

Total Br. Cost

19.87 Cost Index. .... % x Base C.

Depreciation 30. % Phy. - Func. - Econ.

Additional Buildings

Total Value

Assessed Value

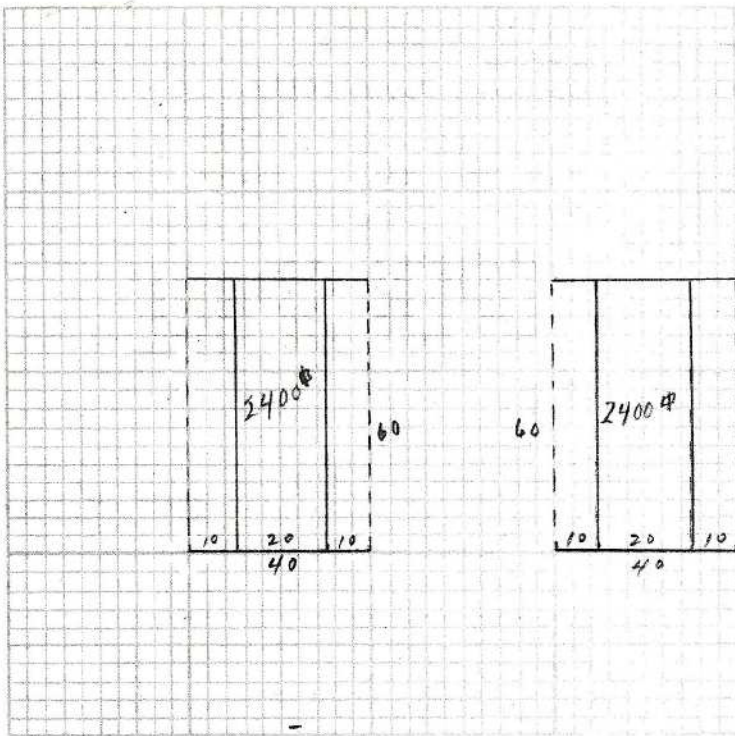
Deputy	Mo	Da	Yr	Remarks
L.H.	12	30	74	Request Over from 25-3 11/16/29/1
U.S.	1	12	83	RS 4.5787

4000

100%  
Land

13,500





# PHYSICAL DATA

Frontage \_\_\_\_\_ Width \_\_\_\_\_ Depth \_\_\_\_\_

Unit Foot Frontage \_\_\_\_\_

Shape \_\_\_\_\_ Contour, Topography Some level - rolling

Soil and Subsoil \_\_\_\_\_

Landscape Features PASTURE

## Utility Connections (Underline):

Electricity, Water, Sewer, Storm Sewer,

Sanitary Sewer, Gas, Telephone

Comments \_\_\_\_\_

Corner Influence \_\_\_\_\_

Type of Street, Curbs, Walks RT

## SPECIAL ASSESSMENTS

Zoning (Use) \_\_\_\_\_

Restrictions, Easements \_\_\_\_\_

OTHER BUILDINGS								IMPROVEMENTS					
No.	Type	DESCRIPTION						Area	Rate	Qual. Index % MDF	Repl. Cost	Dep. %	Depreciated Replacement Cost
	Use	Found.	Floor	Roof	Walls	Condition	Dimensions						

PLATTED								PLATTED							
Lot No.	Land Value	Impr.	Total	Mo	Dr	Yr	Deputy	Lot No.	Land Value	Impr.	Total	Mo	Dr	Yr	Deputy

LAND USE															
No. Acres	Class	AV @ Ac	Total	No. Acres	Class	AV @ Ac	Total	No. Acres	Class	AV @ Ac	Total	No. Acres	Class	AV @ Ac	Total
	Cultivated	59.93	05												
	Orchard														
	Pasture														

ROADS				WATER			
Paved	Good	Source	Quantity				
Gravel	Average	Well	Ample				
Dirt	Poor	Spring	Limited				
Private	Limited Ac.	River					
		None	Quality Good Poor				
State	County	Supplier:					
		Water Rights with Land	Yes No				



# 901235002 RESIDENTIAL APPRAISAL

Roll No. \_\_\_\_\_ Page No. \_\_\_\_\_  
Map No. \_\_\_\_\_ Photo \_\_\_\_\_  
Monthly Rent \_\_\_\_\_  
Remodeled 19 \_\_\_\_\_ Cost \$ \_\_\_\_\_  
Sold 19 \_\_\_\_\_ Amount \$ \_\_\_\_\_  
Sold 19 \_\_\_\_\_ Amount \$ \_\_\_\_\_

## OPEN SPACE

Permit No. 620  
Date 7-1-24  
14000.00

Norris Short  
SEC/WOT | TWP | RGE | 40.18 | DISTRICT  
23 29 1W 59.184 1-49-F1H

S 1/2 SW 1/4 (LESS pth E of Co Rd,  
LESS pth between Creek & Co Rd ~~1-49-F1H~~)

New Construction

BUILDING	CONSTRUCTION	STORIES	1	1/2	2	A	B
✓ Dwelling	✓ Single m. Floor	No. Rooms					3
Duplex	✓ Double Basement	No. Baths	1				3/4
FOUNDATION	Block	No. Bedrooms					2
✓ Conc. 6 8 10	✓ Insulation						
Concrete Block		PARTITIONS					
Brick		Plaster					
Stone	7 HEATING	Drywall					
Piers	Forced	Compo.					
EXT. WALLS	Gravity	Paper					
✓ Bevel	Floor or Wall	Wood Panel					✓
Rustic	✓ wood furn	Plywood					✓
B. and B.	Hot Water	CEILING					
✓ Vertical T111	Baseboard	Plaster					
Wood Shingles	C. I. Rad.	Drywall					
Comp. Shingles	Floor Rad.	Compo.					
Aluminum		Plywood					
Comp. Shakes	Electric	Tile					
Wood Shakes	Wall Units	Paper					
Low Cost	Baseboard	Wood Panel					✓
Average	Glass Panel						
Good	Ceiling Rad.	FLOORS					
Concrete Block	Floor Rad.	Single					
Stucco		Double					
Brick		Softwood					
Common		Hardwood					
Roman	FIREPLACE	Plywood					
Stone	✓ 1 Sty. Single	Carpet					
	1 Sty. Bkd.	Tile					
	2 Sty. Single	Concrete					
ROOF	2 Sty. Bkd.	Linoleum	✓ 100%				✓
Flat	2 Sty. Stkd.						
Hip		BASEMENT					
✓ Gable	0 EXTRAS	None					
	B. 55 on	✓ Full					
Pitch	B. 1. Range	Part					
✓ Low	✓ Hood and Fan	No. Rooms					
Medium	Water Soft.	Class Rooms					
Steep	BT microwave	Daylight					
Shingles							
Wood	0 BUILT-INS	PLUMBING					
Composition	Fir	1st G.					
Aluminum	Hardwood	1 Toilet					
	Metal	Tub					
Shakes	Lineal Feet	1 Lav.					
Light	LIGHTING	✓ Laundry Fac.					
Medium	Good	✓ Garbage Disp.					
Heavy	✓ Average	✓ Dishwasher					
Built-up	Poor	1 Hot Water Heater					
Roll		Counters - Sq. Feet					
✓ Tile		5 No. Fixtures					

Class Fair-Ave Perimeter  
Condition In construction Square ft. 1136  
Year Built 1974 Const. Cost \$

Rate Adj. - +  
Base Rate 1200# siding 2836  
Tile roof 820  
Floor 907  
Heat 3 -

TOTAL RATES 2408

ADJ. BASE RATE

ADDED FEATURES - +

Basement 1380# @ 5.27 7270  
Basement Rooms 1380# @ 1222

Heating 445

Plumbing - 1 unit @ 445

Fireplace 1945 2000

Attached Garage

Upper Stories

Extras

368# Ce. Slab @ 370

624# Ce. Slab @ 625

368# F.G. Roof @ 90 1970

288# F.G. Roof @ 90 275

Intercom Syst.

TOTALS 2429

Adjusted Total

Area 1136 2809 P.S.F. 31900

Added Features 24490

Total Base Cost 56190

1982 Cost Index 1.13 x Base C. 63490

Depreciation 15% Phy.-Func.-Econ. 33970

Additional Buildings

Total Value 53970

Assessed Value

Deputy	Mo	Da	Yr	Remarks
REOT	2	10	75	\$17535 Recorded as new Construction 1975 April 18 REOT
				Reduced to \$14610 - 1975 June 23 REOT RES 4-27-87 NOH
REOT	4	30	76	New construction at - \$14.95 TMM 12-1-70 = 80% comp. Sheet 1 of 2

HA  
1-7-11

PS  
4-29-03  
7-9-07

RSWCB  
4-26-91  
TWO  
N/C

MM-4-26-7  
90% comp.  
and const 1991  
\$5070







# 901233002 RESIDENTIAL APPRAISAL

Roll No. \_\_\_\_\_ Page No. \_\_\_\_\_  
 Map No. \_\_\_\_\_ Photo No. \_\_\_\_\_  
 Monthly Rent \_\_\_\_\_  
 Remodeled 19 \_\_\_\_\_ Cost \$ \_\_\_\_\_  
 Sold 19 \_\_\_\_\_ Amount \$ \_\_\_\_\_  
 Sold 19 \_\_\_\_\_ Amount \$ \_\_\_\_\_

Owner \_\_\_\_\_  
 Address \_\_\_\_\_  
 Permit No. \_\_\_\_\_  
 Date \_\_\_\_\_

SEC/LOT | TWP | RGE | BLOCK | DISTRICT  
 23-29-1W 40-18 1-49F1H2

5 1/2 SW 1/4 (LESS PTN E of  
 Co. Rd.)  
 (Less ptn between creek & Co Rd less N500')

BUILDING	CONSTRUCTION	STORIES	1	1/2	2	A	B
✓ Dwelling	Single	No. Rooms	5				1
Duplex	✓ Double	No. Baths	1				
FOUNDATION	Block	No. Bedrooms	3				
✓ Conc. 6 8 10	Insulation						
Concrete Block		PARTITIONS					
Brick		Plaster					
Stone	HEATING	Drywall					
Piers	✓ Forced	Compo.					
EXT. WALLS	Gravity	Raper Tile	✓				
✓ Bevel	Floor or Wall	Wood Panel					
Rustic		Plywood					
B. and B.	Hot Water	CEILING					
Vertical	Baseboard	Plaster					
Wood Shingles	C. Y. Rad.	Drywall					
Comp. Shingles	✓ Floor Rad.	Compo.					
Aluminum	✓ Wood Furnace	Plywood					
Comp. Shakes	Electric	Tile	✓				
Wood Shakes	Wall Units	Paper					
Low Cost	Baseboard	Wood Panel					
Average	Glass Panel						
Good	Ceiling Rad.	FLOORS					
Concrete Block	Floor Rad.	Single					
Stucco		Double					
Brick		Softwood					
Common		Hardwood					
Roman	0 FIREPLACE	Plywood					
Stone	1 Sty. Single	Carpet	✓ 50%				
	1 Sty. Bkd.	Tile					
	2 Sty. Single	Concrete	✓ 50%				
ROOF	2 Sty. Bkd.	Linoleum	✓ 50%				
Flat	2 Sty. Strkd.						
Hip		BASEMENT					
Gable	0 EXTRAS	None					
✓ Pyramid	B. I. Oven	✓ Full					
Pitch	B. I. Range	Part					
Low	Hood and Fan	No. Rooms					
Medium	Water Soft.	Class Rooms					
Steep		Daylight					
✓ Shingles							
Wood	BUILT-INS	PLUMBING					
✓ Composition	✓ Fir	1st G.					
Aluminum	Hardwood	1 Toilet					
	Metal	1 Tub					
Shakes	Lineal Feet	1 Lav.					
Light	LIGHTING	✓ Laundry Fac.					
Medium	Good	Garbage Disp.					
Heavy	✓ Average	Dishwasher					
Built-up	Poor	1 Hot Water Heater					
Roll		Counters - Sq. Feet					
Tile		5 No. Fixtures					

Class Low Perimeter \_\_\_\_\_  
 Condition Fair Square ft. 1344  
 Year Built 1980 Const. Cost \$ \_\_\_\_\_

Rate Adj. \_\_\_\_\_  
 Base Rate 1300# siding 20.80  
 Heat \_\_\_\_\_  
 Roof \_\_\_\_\_  
 Floor 90

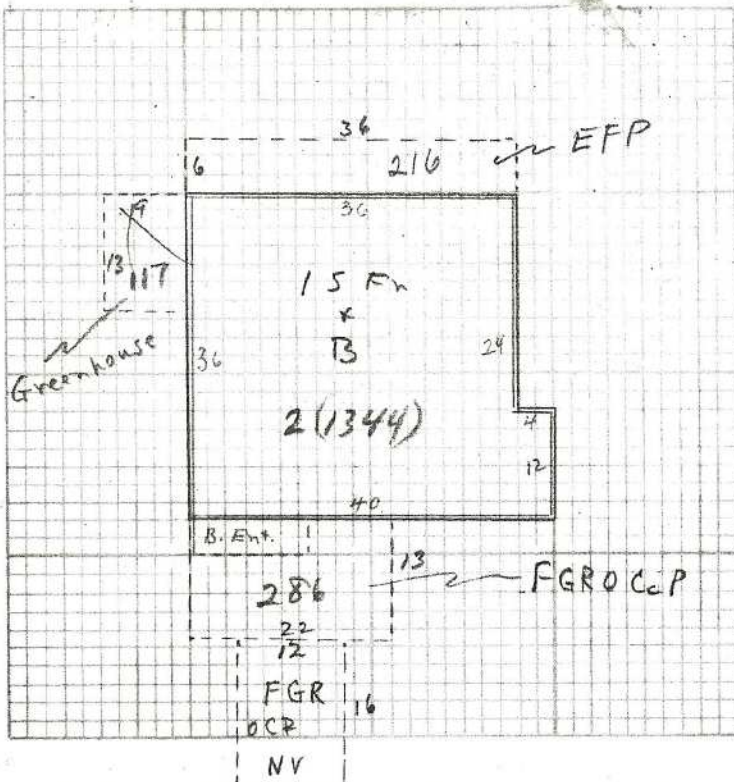
TOTAL RATES \_\_\_\_\_  
 ADJ. BASE RATE 91.80

ADDED FEATURES \_\_\_\_\_  
 Basement 1344# @ 4.75 6560  
 Basement Below Grade 200  
 Heating \_\_\_\_\_  
 Plumbing \_\_\_\_\_  
 Fireplace \_\_\_\_\_  
 Attached Garage \_\_\_\_\_  
 Upper Stories \_\_\_\_\_  
 Extras \_\_\_\_\_  
Greenhouse \_\_\_\_\_  
216# EFP @ 6.20 1345  
286# FGROCP @ 3.00 860

TOTALS \_\_\_\_\_  
 Adjusted Total 9015  
 Area 1344 x 24.10 P.S.F. 32416  
 Added Features \_\_\_\_\_  
 Total Base Cost \_\_\_\_\_  
 19.78 Cost Index 1.13% x Base C. \_\_\_\_\_  
 Depreciation 50% Phy.-Func.-Econ. 21570  
 Additional Buildings See Attached drawing  
 Total Value with competition  
 Assessed Value 100% 21570

Deputy Mo Da Yr Remarks  
REOT 2 10 75 RS 4-27-57 somewhat improved this has  
mm 12 6 78 N/C  
 Sheet 9 of 2





# PHYSICAL DATA

Frontage \_\_\_\_\_ Width \_\_\_\_\_ Depth \_\_\_\_\_

Unit Foot Frontage \_\_\_\_\_

Shape \_\_\_\_\_ Contour, Topography \_\_\_\_\_

Soil and Subsoil \_\_\_\_\_

Landscape Features \_\_\_\_\_

Utility Connections (Underline):

Electricity, Water, Sewer, Storm Sewer,

Sanitary Sewer, Gas, Telephone

Comments \_\_\_\_\_

Corner Influence \_\_\_\_\_

Type of Street, Curbs, Walks \_\_\_\_\_

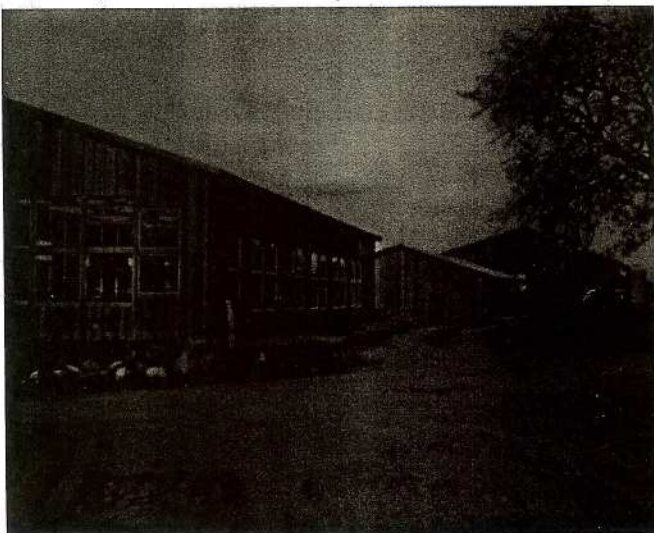
## SPECIAL ASSESSMENTS

Zoning (Use) \_\_\_\_\_

Restrictions, Easements \_\_\_\_\_

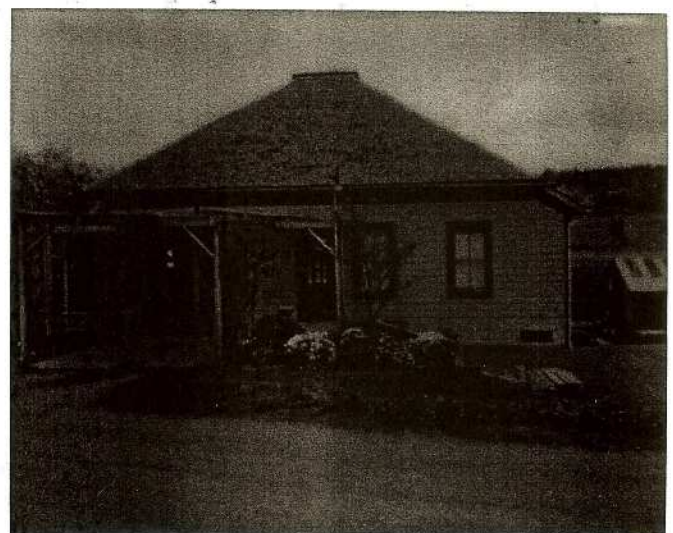
OTHER BUILDINGS							IMPROVEMENTS						
No.	Type	DESCRIPTION					Dimensions	Area	Rate	Qual. Index % MDF	Repl. Cost	Dep. %	Depreciated Replacement Cost
	Use	Found.	Floor	Roof	Walls	Condition							

PLATTED	PLATTED
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1/1/85

4/26/91



4-21-91



# 401233005 RESIDENTIAL APPRAISAL

VALLEY VIEW N.E.L TRUST

Roll No. .... Page No. ....  
Map No. .... Photo No. ....  
Monthly Rent. ....  
Remodeled 19..... Cost \$..... 33225  
Sold 19..... Amount \$.....  
Sold 19 9/4/90 Amount \$ -0-63569

Owner ... Norris W. Short ...  
Address ... Box 296 ...  
Chimacum, Wash 98325 ...  
Permit No. ....  
Date ...

SEC/LOT | TWP | RGE | 5.00 | DISTRICT  
6.27A | 4.89 |  
S23 T29 R1W 1-49F1  
S 1/2 NE SW (W of Hwy) Less Tax No. 7  
(Less ROW) Less Tax 15

BUILDING	CONSTRUCTION	STORIES	1	1/2	2	A	B
Dwelling	Single	No. Rooms					
Duplex	Double	No. Baths					
FOUNDATION	Block	No. Bedrooms					
Conc. 6 8 10	Insulation						
Concrete Block		PARTITIONS					
Brick		Plaster					
Stone	HEATING	Drywall					
Piers	Forced	Compo.					
EXT. WALLS	Gravity	Paper					
Bevel	Floor or Wall	Wood Panel					
Rustic		Plywood					
B. and B.	Hot Water	CEILING					
Vertical	Baseboard	Plaster					
Wood Shingles	C. I. Rad.	Drywall					
Comp. Shingles	Floor Rad.	Compo.					
Aluminum		Plywood					
Comp. Shakes	Electric	Tile					
Wood Shakes	Wall Units	Paper					
Low Cost	Baseboard	Wood Panel					
Average	Glass Panel						
Good	Ceiling Rad.	FLOORS					
Concrete Block	Floor Rad.	Single					
Stucco		Double					
Brick		Softwood					
Common		Hardwood					
Roman	FIREPLACE	Plywood					
Stone	1 Sty. Single	Carpet					
	1 Sty. Bkd.	Tile					
	2 Sty. Single	Concrete					
ROOF	2 Sty. Bkd.	Linoleum					
Flat	2 Sty. Skd.						
Hip		BASEMENT					
Gable	EXTRAS	None					
	B. I. Oven	Full					
	B. I. Range	Part					
Pitch							
Low	Hood and Fan	No. Rooms					
Medium	Water Soft.	Class Rooms					
Steep		Daylight					
Shingles							
Wood	BUILT-INS	PLUMBING					
Composition	Fir	1st G.					
Aluminum	Hardwood	Toilet					
	Metal	Tub					
Shakes	Lined Feet	Lav.					
Light	LIGHTING	Sink					
Medium	Good	Laundry Fac.					
Heavy	Average	Garbage Disp.					
Built-up	Poor	Dishwasher					
Roll		Hot Water Heater					
Tile		Counters - Sq. Feet					
		No. Fixtures					

## OPEN SPACE

Class ..... Perimeter .....  
Condition ..... Square ft .....  
Year Built ..... Const. Cost \$ .....

Rate Adj. - +  
Base Rate

1/2 ROW = to .27 ac

TOTAL RATES

ADJ. BASE RATE - +  
ADDED FEATURES

Basement  
Basement Rooms  
Heating  
Plumbing  
Fireplace  
Attached Garage  
Upper Stories  
Extras

TOTALS

Adjusted Total  
Area ..... x ..... P.S.F.  
Added Features  
Total Base Cost  
19 ..... Cost Index ..... % x Base C.  
Depreciation ..... % Phy.-Func.-Econ.  
Additional Buildings  
Total Value  
Assessed Value

Deputy	Mo	Da	Yr	Remarks
LH	12	30	74	Open Space Application 75-3

VLAND/3150







# 901233008 RESIDENTIAL APPRAISAL

VALLEY VIEW N<sup>o</sup> L TRUST

Roll No. .... Page No. ....  
Map No. .... Photo No. ....  
Monthly Rent. ....  
Remodeled 19. .... Cost \$ .....  
Sold 19. 9/4/90 Amount \$ .....  
Sold 19. 9/4/90 Amount \$ -0- #63569

Owner ... Norris W. Short  
Box 296 ...  
Address ... Chimacum, Wash. 98325  
Permit No. ....  
Date .....  
SEC/LOT | TWP | RGE | BLOCK | DISTRICT  
S23 T29 R1W | 2.83A | 1-49F1  
Tax No. 8

## OPEN SPACE

BUILDING	CONSTRUCTION	STORIES	1	1/2	2	A	B
Dwelling	Single	No. Rooms					
Duplex	Double	No. Baths					
FOUNDATION	Block	No. Bedrooms					
Conc. 6 8 10	Insulation						
Concrete Block		PARTITIONS					
Brick		Plaster					
Stone	HEATING	Drywall					
Piers	Forced	Compo.					
EXT. WALLS	Gravity	Paper					
Bevel	Floor or Wall	Wood Panel					
Rustic		Plywood					
B. and B.	Hot Water	CEILING					
Vertical	Baseboard	Plaster					
Wood Shingles	C. I. Rad.	Drywall					
Comp. Shingles	Floor Rad.	Compo.					
Aluminum		Plywood					
Comp. Shakes	Electric	Tile					
Wood Shakes	Wall Units	Paper					
Low Cost	Baseboard	Wood Panel					
Average	Glass Panel						
Good	Ceiling Rad.	FLOORS					
Concrete Block	Floor Rad.	Single					
Stucco		Double					
Brick		Softwood					
Common		Hardwood					
Roman	FIREPLACE	Plywood					
Stone	1 Sty. Single	Carpet					
	1 Sty. Bkd.	Tile					
	2 Sty. Single	Concrete					
ROOF	2 Sty. Bkd.	Linoleum					
Flat	2 Sty. Sld.						
Hip		BASEMENT					
Gable	EXTRAS	None					
	B. I. Oven	Full					
Pitch	B. I. Range	Part					
Low	Hood and Fan	No. Rooms					
Medium	Water Soft.	Class Rooms					
Steep		Daylight					
Shingles							
Wood	BUILT-INS	PLUMBING					
Composition	Fir	1st G.			2nd G.		
Aluminum	Hardwood	Toilet			Shower Stall		
	Metal	Tub			Tub Shower		
Shakes	Lineal Feet	Lav.			Sink		
Light	LIGHTING	Laundry Fac.					
Medium	Good	Garbage Disp.					
Heavy	Average	Dishwasher					
Built-up	Poor	Hot Water Heater					
Roll		Counters - Sq. Feet					
Tile		No. Fixtures					

Class ..... Perimeter.....  
Condition..... Square ft.....  
Year Built..... Const. Cost \$ .....

Rate Adj. .... - +  
Base Rate .....

TOTAL RATES .....

ADJ. BASE RATE .....

ADDED FEATURES - +

Basement .....

Basement Rooms .....

Heating .....

Plumbing .....

Fireplace .....

Attached Garage .....

Upper Stories .....

Extras .....

TOTALS .....

Adjusted Total .....

Area ..... x ..... P.S.F. ....

Added Features .....

Total Base Cost .....

19..... Cost Index..... % x Base C. ....

Depreciation..... % Phy.-Func.-Econ. ....

Additional Buildings .....

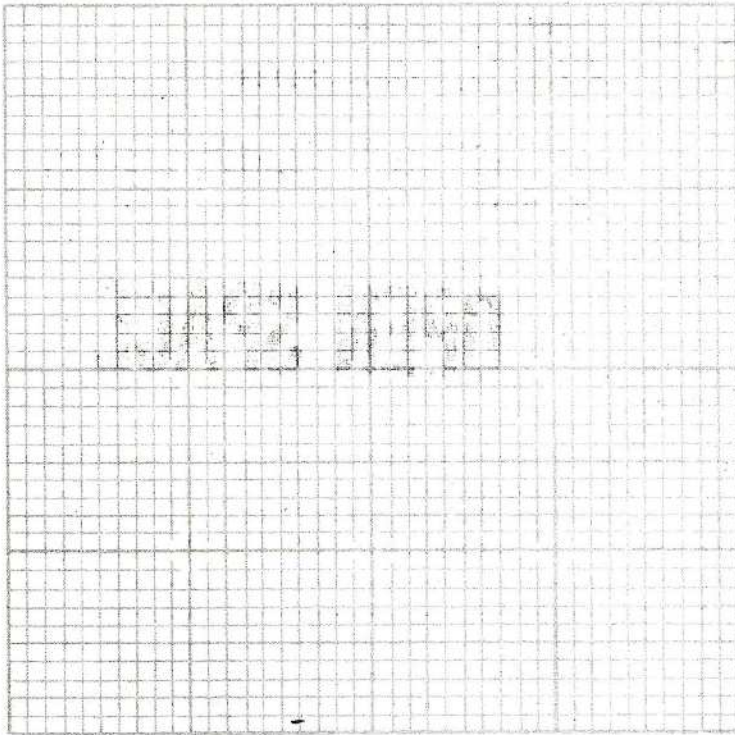
Total Value .....

Assessed Value .....

Deputy	Mo	Da	Yr	Remarks
LH	12	30	94	Open Space Agent 75-3

✓ 2nd ✓ 635 ✓





### PHYSICAL DATA

Frontage \_\_\_\_\_ Width \_\_\_\_\_ Depth \_\_\_\_\_

Unit Foot Frontage \_\_\_\_\_

Shape \_\_\_\_\_ Contour, Topography ROLLING

Soil and Subsoil \_\_\_\_\_

Landscape Features CLEARED

### Utility Connections (Underline):

Electricity, Water, Sewer, Storm Sewer,

Sanitary Sewer, Gas, Telephone

Comments Water STAND

Corner Influence \_\_\_\_\_

Type of Street, Curbs, Walks \_\_\_\_\_

### SPECIAL ASSESSMENTS

Zoning (Use) \_\_\_\_\_

Restrictions, Easements \_\_\_\_\_

### OTHER BUILDINGS

### IMPROVEMENTS

No.	Type	DESCRIPTION					Dimensions	Area	Rate	Qual. Index % MDF	Repl. Cost	Dep. %	Depreciated Replacement Cost
	Use	Found.	Floor	Roof	Walls	Condition							

### PLATTED

### PLATTED

Lot No.	Land Value	Impr.	Total	Mo	Dr	Yr	Deputy	Lot No.	Land Value	Impr.	Total	Mo	Dr	Yr	Deputy

1987  
OSMV 3500  
LESS 50 = 1750/AL

### LAND USE

No. Acres	Class	AV @ Ac	Total	No. Acres	Class	AV @ Ac	Total	No. Acres	Class	AV @ Ac	Total
	Cultivated				Improved				STANDING		
	Orchard				Bldg. Site				WATER		
	Pasture				Unimproved						

1983  
2.83 Ac @ 3250  
= 9197.50  
- 50%  
= 4598.75

ROADS				WATER			
Paved	Good	Source	Quantity				
Gravel	Average	Well	Ample				
Dirt	Poor	Spring	Limited				
Private	Limited Ac.	River					
State	County	None	Quality Good Poor				
		Supplier:					
		Water Rights with Land	Yes No				

79" O.S.  
2.83 @ 225 = 635  
2.83 @ 2750 = 7780  
- 50% WATER PROB. = 3890



**JEFFERSON COUNTY****DEPARTMENT OF COMMUNITY DEVELOPMENT**

621 Sheridan Street | Port Townsend, WA 98368 | Web: [www.co.jefferson.wa.us/communitydevelopment](http://www.co.jefferson.wa.us/communitydevelopment)  
Tel: 360.379.4450 | Fax: 360.379.4451 | Email: [dcd@co.jefferson.wa.us](mailto:dcd@co.jefferson.wa.us)

Building Permits & Inspections | Development Consistency Review | Long Range Planning | SquareONE Resource Center

Instructions: Please complete this form and submit to DCD with payment to the address or email above.

**Customer Assistance Meeting (CAM) Intake Form**

**OCT 13 2014**  
Help us provide you the information you need by filling out this form prior to meeting with our Coaching staff.

The fee for the CAM is a minimum of one hour at DCD's hourly rate, not including the first 15 minutes of staff time. Additional time over one hour will be billed in 15 minute increments. Upon submittal of a complete CAM application and payment of the initial hour fee, an appointment will be scheduled for the CAM meeting.

**Office Use Only**Receipt #: **151598**Check / CC #: **Cash**Date Paid: **10/13/14**Received By: **Eliz**

NAME:	<b>Greg Halberg</b>			DATE:	<b>10/13/14</b>
EMAIL ADDRESS:	<b>greghalberg@hotmail.com</b>				
MAILING ADDRESS:	<b>1507 East Beach Road Port Angeles WA 98362</b>				
TELEPHONE: (HOME)	<b>360 928-3341</b>	(WORK)	<b>360 477-3015</b>		
OWNER OR REPRESENTATIVE:	<b>Roger Short</b>				
MAILING ADDRESS:	<b>Center Road</b>				
TELEPHONE: (HOME)		(WORK)			

Staff will call with in 7-10 days to arrange a meeting. Our goal is to meet with you within 14 calendar days of the request.

Your Signature (if not the owner):

**Greg Halberg**

**PLEASE NOTE:** Information and guidance provided through Customer Assistance is advisory only and is based on information provided by the customer. It is impossible for the meeting to be an exhaustive review of all potential issues. Any discussion or information provided shall not bind or prohibit the County's future implementation or enforcement of all applicable laws and regulations. No statements or assurances made by County representatives shall in any way relieve the applicant of his or her duty to submit an application consistent with all relevant requirements of County, state and federal codes, laws, regulations, land use plans, and other requirements.

**Schedule 1****OCT 13 2014**

JEFFERSON COUNTY  
DEPT. OF COMMUNITY DEVELOPMENT

Friday, January 03, 2014

CAM # **14-00561** Parcel # **8 parcels**



**Project Description** – List all information about your project and any questions you need addressed prior to the CAM meeting so we can be prepared. Attach additional sheets of paper if necessary.

We are appraising the property for the Shorts & JLT. We need information about divisibility, wetlands, septic, etc as much as possible in the "before" conditions.

### Property Description

General Location: <u>Chimacum</u>		
Property Address: <u>901233011, 901230006, 901230009</u>		
9-Digit Parcel Number (from Property Tax Statement): <u>901233002, 901233010, 901262003, 901262002, 901224001</u>		
Total Acreage: <u>258</u>	Zone: <u>AP20</u>	% Lot Coverage:
Applicant:	<input type="checkbox"/> Owner	<input type="checkbox"/> Lessee
	<input type="checkbox"/> Contract Purchaser	Other <u>appraiser</u>

See attached sheet.

☐ **Attach conceptual site plan.** It should illustrate proposed access, location of existing and proposed building(s), parking, and other on-site improvements. TBD

☐ Proposed use(s): residential development at 1/20

☐ Proposed access: West Valley Road and Center Road

☐ If there are existing structures on the site, in what year were they constructed? Demo?

mixed

☒ Do you propose a land division? If so what? Yes. Possibly 1/20, Possibly cluster

☐ Number and Type of Proposed Dwellings: 8 to 13

Single or Multi-family homes: single

ADU/Garage: yes possibly

☐ Commercial or Mixed Use Development: \_\_\_\_\_ Sq/Ft: \_\_\_\_\_

Please circle Yes ("Y") or No ("N") below:

Any known wetlands or buffers on the property? ☒ ☐

Any steep slopes (greater than 15%)? ☐ ☒ not sure

Any conditions or restrictions (e.g., easements, street vacation)? ☒ ☐

Is your property bordering on, or within 200' of a body of water? ☒ ☐

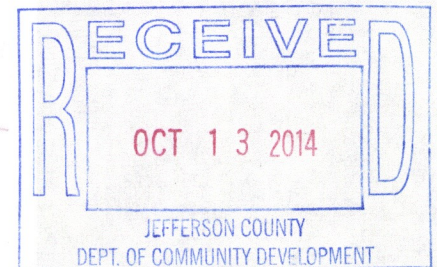
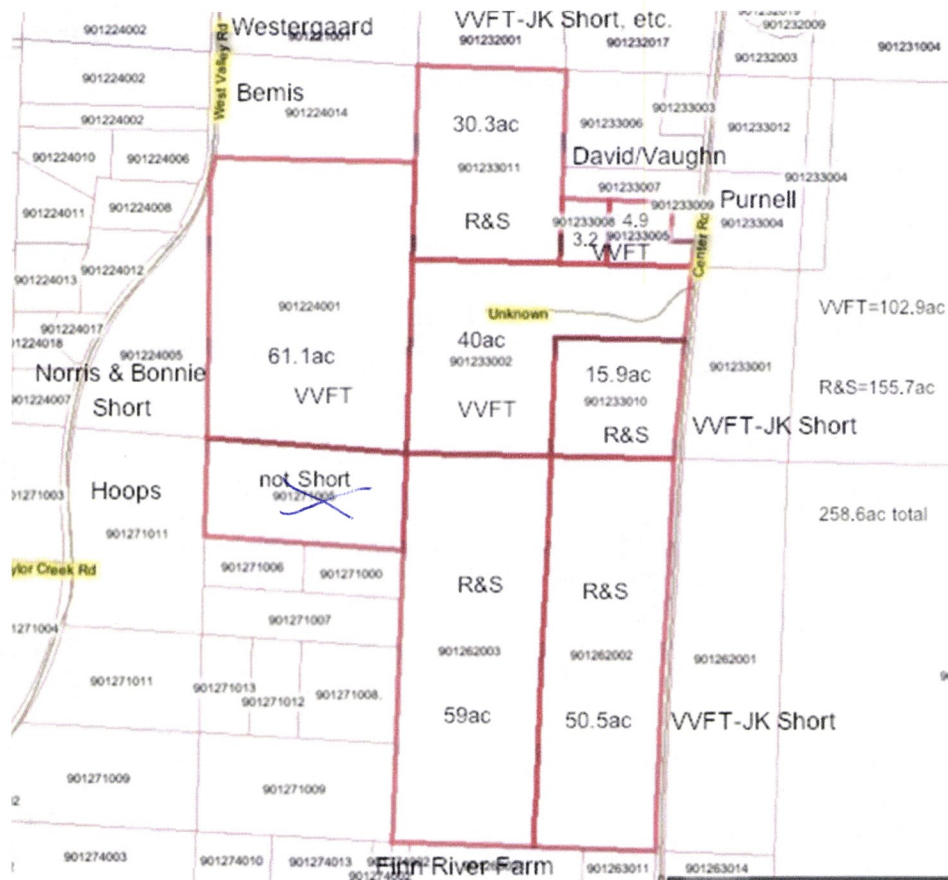
Have you discussed the project with county staff? ☐ ☒

If yes, name: \_\_\_\_\_

CAM #

Parcel #





Question 1: Is there enough area outside of critical areas for 8 homes + parcels i.e. BLA only?

Question 2: Is there enough <sup>land outside critical area</sup> for maximal development of the 258 acres i.e.  $1/20 = 13 \pm$  homesites/parcels?

Question 3: Is there a <sup>6</sup>possibility of a cluster development + if so would there be more homes possible?





JEFFERSON COUNTY

## DEPARTMENT OF COMMUNITY DEVELOPMENT

621 Sheridan Street, Port Townsend, WA 98368 | Web: [www.co.jefferson.wa.us/communitydevelopment](http://www.co.jefferson.wa.us/communitydevelopment)

Tel: 360.379.4450 | Fax: 360.379.4451 | Email: [dcd@co.jefferson.wa.us](mailto:dcd@co.jefferson.wa.us)

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*SquareONE Resource Center | Building Permits & Inspections | Development Review | Long Range Planning*

December 4, 2014

Greg Halberg  
1507 East Beach Road  
Port Angeles, WA 98362

Re: Customer Assistance Meeting Application No. CAM14-00561 – Short Farm

Dear Greg,

We have reviewed your inquiry provided in the above referenced application and are providing our response as an attachment to this letter. I want to thank you for taking the time and making an effort to inquire about the potential for development of the property.

If you have any further questions, please don't hesitate to contact me by email ([twolett@co.jefferson.wa.us](mailto:twolett@co.jefferson.wa.us)) or by phone (360-379-4484).

Sincerely,

A handwritten signature in dark ink, appearing to read "Tim Woolett".

Tim Woolett  
Assistant Planner

Encl: CAM Response dated 12/04/2014



DATE: DECEMBER 3, 2014

APPLICATION NO: CAM14-00561

OWNER'S REPRESENTATIVE: Greg Halberg

PROPERTY OWNER: Roger Short

PARCEL NO: 901233011; 901230006; 901230091; 901233002; 901233010;  
901262003; 901262002; and 901224001

PROPOSAL: Evaluate Development/Division Potential

ZONING: Agricultural - AP1:20 and AL 1:20 (PN 901262003)

**INQUIRY:** In your appraisal of the property for the property owner and the Jefferson Land Trust, you need information about the potential for division of the property with consideration of wetlands, onsite septic system potential, and any other information needed to appraise the property. Your CAM poses three questions paraphrased as follows:

1. Is there enough area outside of critical areas for 8 homes and parcels through the boundary line adjustment process only?
2. Is there enough land outside critical areas to achieve the maximum development potential of the 258 acres considering an overall residential density of one residence/lot per 20 acres?
3. Is there a possibility for cluster development and, if so, would there be more homes possible?

**SUMMARY:**

In answer to the first question, we cannot determine if there is enough area short of full review of a proposed layout with surveyed boundaries of proposed lot lines and the boundaries of wetlands and their associated buffers. The review would weigh the proposed lot layout against the boundary line adjustment standards of *Subsection 18.35.060(2) JCC* in order to determine that the proposal would not:

- (a) Result in the creation of an additional lot, tract, parcel, site within a binding site plan or division as defined in Chapter 18.10 JCC;
- (b) Result in a lot, tract or parcel or site within a binding site plan that does not qualify as a buildable lot as defined in Chapter 18.10 JCC;
- (c) Relocate an entire lot, tract or parcel from one parent parcel into another parent parcel;
- (d) An adjustment that crosses zoning district boundaries. Adjustments may be allowed across different rural residential densities;
- (e) Be inconsistent with any restrictions or conditions of approval for a recorded short plat or long plat; or circumvent the short subdivision or long subdivision procedures set forth in this chapter;
- (f) Separate an accessory dwelling unit from the primary use of the property.

As provided in *Subsection 18.35.060(1) JCC*, the purpose of a boundary line adjustment is to provide procedures and criteria for the review and approval of adjustments to boundary lines between platted or unplatted lots, tracts or parcels, or both in order to:

- (a) Allow the enlargement or merging of lots, tracts or parcels to improve or qualify as a buildable lot or for any other lawful purpose;
- (b) Rectify defects in legal descriptions;
- (c) Achieve increased setbacks from property lines or environmentally sensitive areas;
- (d) Correct situations wherein an established use is located across a lot line; or
- (e) For other similar purposes.

In order for a reconfiguration to be reviewed as a boundary line adjustment we would have to evaluate the purpose and scope of the adjustment relative to the above stated standards. Once again, without benefit



of a proposed lot configuration to review we are unable to be more specific; however, this is not to say that the potential for boundary line adjustment is not possible. One additional note is that Assessor's parcel number 901262003 is in a different zoning designation than the rest of the listed parcels. A proposal for boundary line adjustment cannot result in an adjustment that crosses zoning district boundaries [JCC 18.36.060(2)(d)].

In answer to your second question regarding the potential to achieve maximum development potential outside of critical areas, we can only offer certain guiding facts at this point. The information in your CAM request provides that there are 258 acres total over eight parcels of property. In both the AP20 and AL20 zones the maximum residential density is one residence per 20 acres. Based on the accuracy of your acreage total, this would allow up to 12 units (12.9). One key issue that may fit into the answer for question number 3 is that the minimum lot area for the underlying zones is as follows: "None specified. Lot sizes shall be sufficient to meet the public health and environmental protection standards contained in Jefferson County regulations. Ability to subdivide is regulated by the mapped development density." [JCC 18.30.050 Table 6.1]

Finally, to answer your question number 3, the possibility of cluster development does exist and the provisions for such are contained in *Article VI-M of Chapter 18.15 JCC*, Planned Rural Residential Developments (PRRDs). *Subsection 18.15.485 JCC* provides that "the permissible number of dwelling units within a PRRD shall be calculated based upon the dwelling unit density of the underlying land use district." A PRRD in an agricultural district is required to contain a reserve tract being a minimum of 85 percent with emphasis on preserving land with prime agricultural soils for the practice of agriculture [JCC 18.15.495]. Without consideration of bonus density, eighty-five percent for reserve area would require approximately 219 acres, leaving approximately 38.7 acres. With a residential density that allows twelve units the average lot size would be approximately 3.225 acres. Once again, refer to the minimum lot area provisions cited above in the answer to your question number 2.


The second part of your question number 3 asks of the possibility "for more homes", or as I understand your question, bonus density. This question can also be answered in the affirmative. It is possible if approved by the Hearing Examiner subject to the criteria provided in *Subsection 18.20.520(4)(a through h) JCC*. The provisions for density bonuses are found in *Section 18.15.520 JCC*, which can be accessed through our Jefferson County website and following the "Jefferson County Code" link.

The project if processed as a PRRD/subdivision would also subject to the requirements of the State Environmental Policy Act (SEPA) in accordance with *WAC197-11* and does not meet the thresholds for categorical exemptions listed in **WAC 197-11-800**; therefore a completed environmental checklist will be required along with a completed land use applications containing the minimum requirements provided in **Section 18.25.630 JCC**.

The PRRD/subdivision permit application would be processed as a Type III permit which is subject to the public review process that includes public notice and hearing before the Jefferson County Hearing Examiner. Because it would be a Type III permit, a pre-application conference would be required prior to application submittal pursuant to the requirements of **Section 18.40.090 JCC**.

---

**NOTE: THESE COMMENTS ARE PRELIMINARY IN NATURE AND ARE SUBJECT TO CHANGE UPON DISCOVERY OR RECEIPT OF NEW INFORMATION. THIS REVIEW IS TO DETERMINE WHETHER A USE IS ALLOWABLE ON A SPECIFIC PROPERTY AND TO PROVIDE THE PROPONENTS AND/OR THEIR AGENT WITH THE PROCESS REVIEW REQUIREMENTS OF JEFFERSON COUNTY, AND DOES NOT PROVIDE THE SCOPE OF OUTSIDE AGENCY INVOLVEMENT. THE CONTENT OF THIS REVIEW SHOULD IN NO WAY BE CONSTRUED AND AN APPROVAL OR AN INTENT TO APPROVE OR DENY, BUT MERELY PROVIDES THE MEANS BY WHICH A PROPONENT MAY CONSIDER AND SUBSEQUENTLY APPLY FOR REVIEW OF A SPECIFIC PROPOSAL.**

  
PREPARED BY: TIM WOOLETT, ASSISTANT PLANNER  
EMAIL: [twoolett@co.jefferson.wa.us](mailto:twoolett@co.jefferson.wa.us)  
Phone: (360) 379-4484





JEFFERSON COUNTY

## DEPARTMENT OF COMMUNITY DEVELOPMENT

621 Sheridan Street | Port Townsend, WA 98368 | Web: [www.co.jefferson.wa.us/communitydevelopment](http://www.co.jefferson.wa.us/communitydevelopment)  
Tel: 360.379.4450 | Fax: 360.379.4451 | Email: [dcd@co.jefferson.wa.us](mailto:dcd@co.jefferson.wa.us)

Building Permits & Inspections | Development Consistency Review | Long Range Planning | SquareONE Resource Center

Instructions: Please complete this form and submit to DCD with payment to the address or email above.

### Customer Assistance Meeting (CAM) Intake Form

Help us provide you the information you need by filling out this form prior to meeting with our Coaching staff.

The fee for the CAM is a minimum of one hour at DCD's hourly rate, not including the first 15 minutes of staff time. Additional time over one hour will be billed in 15 minute increments. Upon submittal of a complete CAM application and payment of the initial hour fee, an appointment will be scheduled for the CAM meeting.

Office Use Only

Receipt #: 151598

Check / CC #: Cash

Date Paid: 10/13/14

Received By: Eliz

NAME:	Greg Halberg			DATE:	10/13/14
EMAIL ADDRESS:	greg.halberg@hotmail.com				
MAILING ADDRESS:	1507 East Beach Road Port Angeles WA 98362				
TELEPHONE: (HOME)	360 928-3841	(WORK)	360 477-3015		
OWNER OR REPRESENTATIVE:	Roger Short				
MAILING ADDRESS:	Center Road				
TELEPHONE: (HOME)		(WORK)			

Staff will call with in 7-10 days to arrange a meeting. Our goal is to meet with you within 14 calendar days of the request.

Your Signature (if not the owner):

Greg Halberg

**PLEASE NOTE:** Information and guidance provided through Customer Assistance is advisory only and is based on information provided by the customer. It is impossible for the meeting to be an exhaustive review of all potential issues. Any discussion or information provided shall not bind or prohibit the County's future implementation or enforcement of all applicable laws and regulations. No statements or assurances made by County representatives shall in any way relieve the applicant of his or her duty to submit an application consistent with all relevant requirements of County, state and federal codes, laws, regulations, land use plans, and other requirements.

Schedule 1

OCT 13 2014

Friday, January 03, 2014

CAM # 14-00561 Parcel # 8 parcels



**Project Description** – List all information about your project and any questions you need addressed prior to the CAM meeting so we can be prepared. Attach additional sheets of paper if necessary.

We are appraising the property for the Shorts & JLTs.
We need information about divisability, wetlands, septic,
etc as much as possible in the "before" condition.

### Property Description

General Location: <u>Chimacum</u>		
Property Address:	<u>901233011, 901230006, 901230009,</u>	
9-Digit Parcel Number (from Property Tax Statement):	<u>901233002, 901233010, 901262003,</u> <u>901262002, 901224001</u>	
Total Acreage: <u>258</u>	Zone: <u>AP20</u>	% Lot Coverage:
Applicant:	<input type="checkbox"/> Owner	<input type="checkbox"/> Lessee
	<input type="checkbox"/> Contract Purchaser	Other <u>appraiser</u>

See attached sheet.

- ☐ **Attach conceptual site plan.** It should illustrate proposed access, location of existing and proposed building(s), parking, and other on-site improvements. TBD

☐ Proposed use(s): residential development at 1/20

☐ Proposed access: West Valley Road / and Center Road

- ☐ If there are existing structures on the site, in what year were they constructed? Demo?

mixed

☒ Do you propose a land division? If so what? Yes. Possibly 1/20, Possibly cluster

☐ Number and Type of Proposed Dwellings: 8 to 13

Single or Multi-family homes: single

ADU/Garage: yes possibly

☐ Commercial or Mixed Use Development: \_\_\_\_\_ Sq/Ft: \_\_\_\_\_

Please circle Yes ("Y") or No ("N") below:

Any known wetlands or buffers on the property? ☒ ☐

Any steep slopes (greater than 15%)? ☐ ☒ not sure

Any conditions or restrictions (e.g., easements, street vacation)? ☒ ☐

Is your property bordering on, or within 200' of a body of water? ☒ ☐

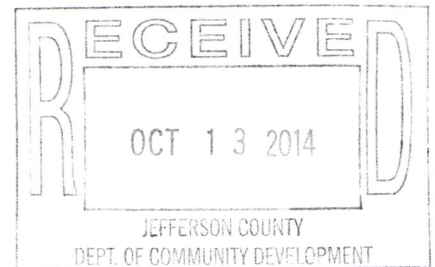
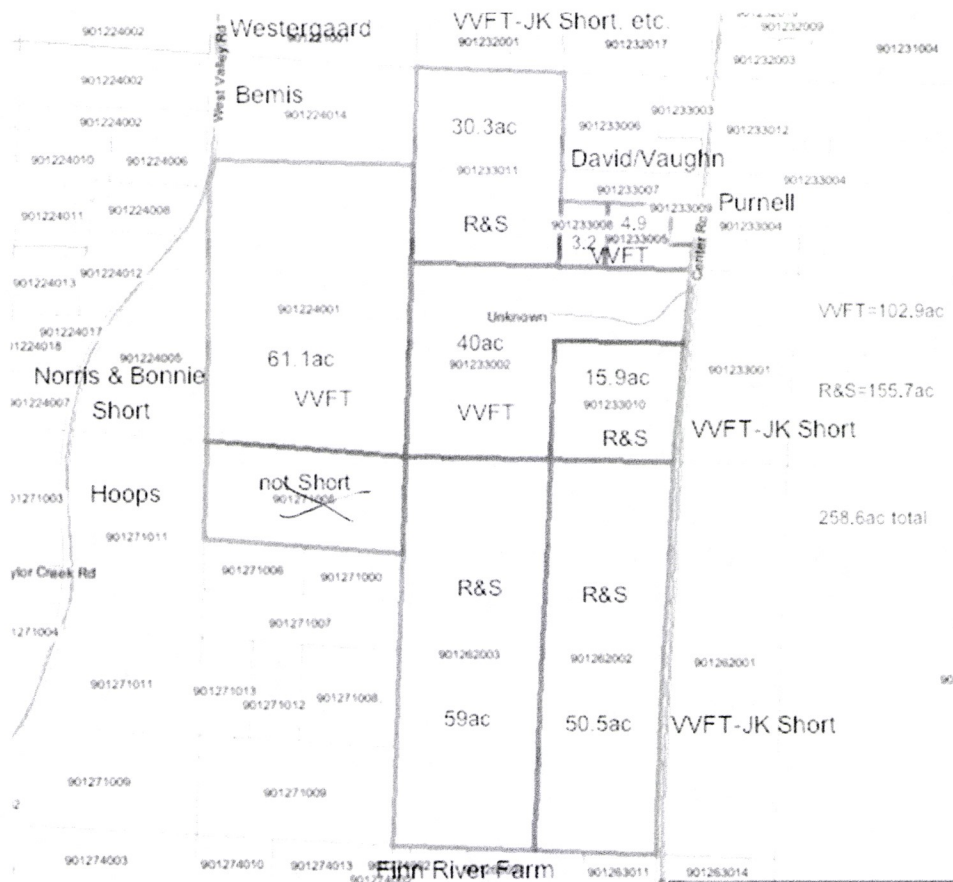
Have you discussed the project with county staff? ☐ ☒

If yes, name: \_\_\_\_\_

CAM #

Parcel #





Question 1: Is there enough area outside of critical areas for 8 homes + parcels i.e. BLA only?

Question 2: Is there enough <sup>land outside critical area</sup> for maximal development of the 258 acres i.e.  $1/20 = 13$  H- homesites/parcels?

Question 3: Is there a <sup>6</sup>possibility of a cluster development + if so would there be more homes possible?





**JEFFERSON COUNTY**

**DEPARTMENT OF COMMUNITY DEVELOPMENT**

621 Sheridan Street, Port Townsend, WA 98368 | Web: [www.co.jefferson.wa.us/communitydevelopment](http://www.co.jefferson.wa.us/communitydevelopment)

Tel: 360.379.4450 | Fax: 360.379.4451 | Email: [dcd@co.jefferson.wa.us](mailto:dcd@co.jefferson.wa.us)

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*SquareONE Resource Center | Building Permits & Inspections | Development Review | Long Range Planning*

December 4, 2014

Greg Halberg  
1507 East Beach Road  
Port Angeles, WA 98362

Re: Customer Assistance Meeting Application No. CAM14-00561 – Short Farm

Dear Greg,

We have reviewed your inquiry provided in the above referenced application and are providing our response as an attachment to this letter. I want to thank you for taking the time and making an effort to inquire about the potential for development of the property.

If you have any further questions, please don't hesitate to contact me by email ([twoolett@co.jefferson.wa.us](mailto:twoolett@co.jefferson.wa.us)) or by phone (360-379-4484).

Sincerely,

A handwritten signature in black ink, appearing to read "Tim Woolett".

Tim Woolett  
Assistant Planner

Encl: CAM Response dated 12/04/2014



DATE: DECEMBER 3, 2014

APPLICATION NO: CAM14-00561

OWNER'S REPRESENTATIVE: Greg Halberg

PROPERTY OWNER: Roger Short

PARCEL NO: 901233011; 901230006; 901230091; 901233002; 901233010;  
901262003; 901262002; and 901224001

PROPOSAL: Evaluate Development/Division Potential

ZONING: Agricultural - AP1:20 and AL 1:20 (PN 901262003)

**INQUIRY:** In your appraisal of the property for the property owner and the Jefferson Land Trust, you need information about the potential for division of the property with consideration of wetlands, onsite septic system potential, and any other information needed to appraise the property. Your CAM poses three questions paraphrased as follows:

1. Is there enough area outside of critical areas for 8 homes and parcels through the boundary line adjustment process only?
2. Is there enough land outside critical areas to achieve the maximum development potential of the 258 acres considering an overall residential density of one residence/lot per 20 acres?
3. Is there a possibility for cluster development and, if so, would there be more homes possible?

**SUMMARY:**

In answer to the first question, we cannot determine if there is enough area short of full review of a proposed layout with surveyed boundaries of proposed lot lines and the boundaries of wetlands and their associated buffers. The review would weigh the proposed lot layout against the boundary line adjustment standards of *Subsection 18.35.060(2) JCC* in order to determine that the proposal would not:

- (a) Result in the creation of an additional lot, tract, parcel, site within a binding site plan or division as defined in Chapter 18.10 JCC;
- (b) Result in a lot, tract or parcel or site within a binding site plan that does not qualify as a buildable lot as defined in Chapter 18.10 JCC;
- (c) Relocate an entire lot, tract or parcel from one parent parcel into another parent parcel;
- (d) An adjustment that crosses zoning district boundaries. Adjustments may be allowed across different rural residential densities;
- (e) Be inconsistent with any restrictions or conditions of approval for a recorded short plat or long plat; or circumvent the short subdivision or long subdivision procedures set forth in this chapter;
- (f) Separate an accessory dwelling unit from the primary use of the property.

As provided in *Subsection 18.35.060(1) JCC*, the purpose of a boundary line adjustment is to provide procedures and criteria for the review and approval of adjustments to boundary lines between platted or unplatted lots, tracts or parcels, or both in order to:

- (a) Allow the enlargement or merging of lots, tracts or parcels to improve or qualify as a buildable lot or for any other lawful purpose;
- (b) Rectify defects in legal descriptions;
- (c) Achieve increased setbacks from property lines or environmentally sensitive areas;
- (d) Correct situations wherein an established use is located across a lot line; or
- (e) For other similar purposes.

In order for a reconfiguration to be reviewed as a boundary line adjustment we would have to evaluate the purpose and scope of the adjustment relative to the above stated standards. Once again, without benefit



of a proposed lot configuration to review we are unable to be more specific; however, this is not to say that the potential for boundary line adjustment is not possible. One additional note is that Assessor's parcel number 901262003 is in a different zoning designation than the rest of the listed parcels. A proposal for boundary line adjustment cannot result in an adjustment that crosses zoning district boundaries [JCC 18.36.060(2)(d)].

In answer to your second question regarding the potential to achieve maximum development potential outside of critical areas, we can only offer certain guiding facts at this point. The information in your CAM request provides that there are 258 acres total over eight parcels of property. In both the AP20 and AL20 zones the maximum residential density is one residence per 20 acres. Based on the accuracy of your acreage total, this would allow up to 12 units (12.9). One key issue that may fit into the answer for question number 3 is that the minimum lot area for the underlying zones is as follows: "*None specified. Lot sizes shall be sufficient to meet the public health and environmental protection standards contained in Jefferson County regulations. Ability to subdivide is regulated by the mapped development density.*" [JCC 18.30.050 Table 6.1]

Finally, to answer your question number 3, the possibility of cluster development does exist and the provisions for such are contained in *Article VI-M of Chapter 18.15 JCC*, Planned Rural Residential Developments (PRRDs). *Subsection 18.15.485 JCC* provides that "*the permissible number of dwelling units within a PRRD shall be calculated based upon the dwelling unit density of the underlying land use district.*" A PRRD in an agricultural district is required to contain a reserve tract being a minimum of 85 percent with emphasis on preserving land with prime agricultural soils for the practice of agriculture [JCC 18.15.495]. Without consideration of bonus density, eighty-five percent for reserve area would require approximately 219 acres, leaving approximately 38.7 acres. With a residential density that allows twelve units the average lot size would be approximately 3.225 acres. Once again, refer to the minimum lot area provisions cited above in the answer to your question number 2.

The second part of your question number 3 asks of the possibility "for more homes", or as I understand your question, bonus density. This question can also be answered in the affirmative. It is possible if approved by the Hearing Examiner subject to the criteria provided in *Subsection 18.20.520(4)(a through h) JCC*. The provisions for density bonuses are found in *Section 18.15.520 JCC*, which can be accessed through our Jefferson County website and following the "Jefferson County Code" link.

The project if processed as a PRRD/subdivision would also subject to the requirements of the State Environmental Policy Act (SEPA) in accordance with *WAC197-11* and does not meet the thresholds for categorical exemptions listed in **WAC 197-11-800**; therefore a completed environmental checklist will be required along with a completed land use applications containing the minimum requirements provided in **Section 18.25.630 JCC**.

The PRRD/subdivision permit application would be processed as a Type III permit which is subject to the public review process that includes public notice and hearing before the Jefferson County Hearing Examiner. Because it would be a Type III permit, a pre-application conference would be required prior to application submittal pursuant to the requirements of **Section 18.40.090 JCC**.

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PREPARED BY: TIM WOOLETT, ASSISTANT PLANNER  
EMAIL: [twoolett@co.jefferson.wa.us](mailto:twoolett@co.jefferson.wa.us)  
Phone: (360) 379-4484



# CASE SUMMARY FOR COM2005-00030

Printed November 14, 2022

Applicant: ROGER D SHORT  
1720 CENTER RD  
CHIMACUM WA 983259779

Status: F

Project Description: Dumping large amounts of fill.

Parcel Number: 901262003 S-T-R: 26-29N-1W

Site 1720 CENTER RD  
Address: WA,

---

## ACTIVITIES:

Description	Activity Notes	Signed Off
Case Entered		3/14/2005
Close case "F"	Sent NOVC letter to determine status of VIO	3/1/2010
Close case "F"	Spoke to Roger Short and he advised that the issue with the fill dirt was dealt with in 2005. CASE CLOSED	7/2/2019

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## CONDITIONS:

No conditions found for this case.

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## CASE NOTES:

No notes found for this case.

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## PARCEL TAGS:

No parcel tags found for this parcel.

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## ASSOCIATED CASES:

<u>Cases in Project#</u>	<u>Cases for Parcel# 901262003</u>	<u>Cases with Master# COM2005-00030 and Review</u>
<u>COM2005-00030</u>	BLD2001-00689	<u>Type</u>
COM2005-00030	COM2005-00030	COM2005-00030

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## Case Activity Listing

Case #: SEP1973-00268

11/8/2022

11:50:23AM

Activity	Description	Date 1	Date 2	Date 3	Hold	Disp	Assigned To	Done By	Updated By	Notes
SEPA010	Case Entered "P"			3/9/2015	None			DLS	3/9/2015 DLS	
SEPC051	Issue permit no form "A"			11/23/1973	None	DONE		RMD	3/9/2015 DLS	
SEPD030	Not finaled "N"			3/9/2015	Warn	DONE		DLS	3/9/2015 DLS	
SEPM400	Miscellaneous Action			10/31/2022	None	DONE		SAR2	10/31/2022 SAR2	Rec'd tank decommissioning & pump report, routed to Emma, 10/31/2022 SAR
SEPM110	Override - Parcel Holds			11/1/2022	None			ELE	11/1/2022 ELE	
SEPC102	Decommission SEP sys "DCM"			10/25/2022	None	DONE		ELE	11/1/2022 ELE	system decommissioned, received certificate of DCM on 10/31/2022 from Tim Johnson Shold Excavating





## Case Activity Listing

Case #: SOM1973-00268

11/8/2022

11:49:57AM

Activity	Description	Date 1	Date 2	Date 3	Hold	Disp	Assigned To	Done By	Updated By	Notes
SOMA002	Case Entered SEP Status "N"			3/9/2015	None	DONE		DLS	3/9/2015 DLS	
SOMC210	Insp Required (1st Notice)			9/11/2017	None				9/11/2017 TFS	ADDED FROM BATCH
SOMC210	Insp Required (1st Notice)(fm)			3/22/2019	None				3/23/2019 TCS	ADDED FROM BATCH
SOMC110	Misc. Correspond. -letter			8/20/2019	None	DONE		DLS	8/20/2019 DLS	Letter from Roger Short. Had Goodman look at the tank. Replaced the baffles himself. Was not inspected.
SOMC110	Misc. Correspond. -letter			12/19/2019	None	DONE		DLS	12/19/2019 DLS	Roger Short applied to be the HO inspector. He has completed the class and paid the fee but this system is not finaled. Memo sent to him advising will need a site plan
SOMC100	Misc. Conversation or email			1/2/2020	None	DONE		DLS	1/2/2020 DLS	HO states he has made repairs to several of the 5 septic he owns. He will hire a designer when he has the money to pay.
SOMA050	System Decommissioned "DCM"			10/25/2022	None	DONE		ELE	11/1/2022 ELE	system decommissioned as of 10/25/2022, received certificate of DCM from Tim Johnson of Shold Excavating



**SEP1973-00268**

**DECOMMISSIONED**

**NO LONGER VALID**






615 Sheridan Street  
Port Townsend, WA 98368  
[www.JeffersonCountyPublicHealth.org](http://www.JeffersonCountyPublicHealth.org)

### CERTIFICATION OF TANK DECOMMISSIONING

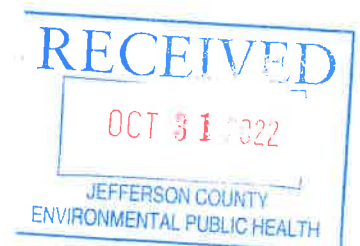
Parcel number 901 233 002  
Address 1584 Center Rd Chimacium WA 98325  
Property Owner Name Roger Short  
Septic Permit # (if applicable) Sep 73 - 00268  
Individual/Company Certifying Abandonment  
Shold Excavating Inc.  
Phone Number 360-385-0480

I certify that all sewage was removed from the septic tank and/or pump chamber on the above referenced site by a Jefferson County Certified Septic Tank Pumper, the lid was crushed and the tank filled with soil or gravel.

I certify that the septic tank and/or pump chamber on the above referenced site has been decommissioned to Washington State and Jefferson County Public Health Requirements.

Signature  Date 10-25-2022  
Print Name Timothy A Tolinson

Pump receipt attached X



Community Health  
Developmental Disabilities  
360-385-9400  
360-385-9401 (f)

Always working for a safer and healthier community

Environmental Health  
Water Quality  
360-385-9444  
(f) 360-379-4487



# TANK PUMPING REPORT

Site Name:

Location: 1584 Center Rd

Chimacum

Tax ID: 901233002

Use: Residential, Single Family

## Service Company:

Goodman, Inc.

2495 Cape George Rd

Port Townsend, WA 98368

360-385-7155

Serviced: 08/12/2022 by: John Hill

Submitted 09/06/2022 by: Doug Nebel

Dump Location: Bio-Recycling

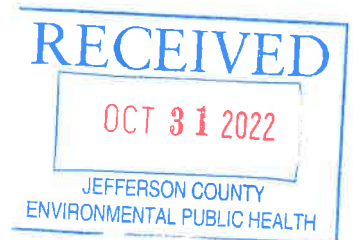
Jurisdiction ID: SOM1973-00268

## COMMENTS

Old system attached to a burned down house.

### TANK: Septic Tank - 1 Compartment

Tank Pumped:	YES	
Tank Size (Gallons)(Number only, no text):	500	
Effluent level within operational limits (if NO explain in comments):	YES	
Total Gallons pumped from tank (Number only, no text):	500	
Effluent returning back into tank after pumping:	NO	
Tank depth below grade (inches):	0	
Access Risers installed to grade (N/A if not present):	N/A	
Access Risers securely fastened (N/A if no riser present):	N/A	
Tank Construction Material:	Concrete	
Tank Condition Good:	NO	Deficient
Roots or ground water observed leaking into the tank or around the risers:	NO	
Baffles in good condition (N/A if not present):	NO	Deficient
Effluent screen cleaned (N/A if not present):	N/A	
Effluent surfacing around site components (N/A if not checked):	NO	
Tank abandoned after pumping:	YES	
Were repairs made to the Tank or Tank Components? (if YES explain in comments):	NO	
Compartment 1 Scum accumulation (Inches, if other specify):	4	
Compartment 1 Sludge accumulation (Inches, if other specify):	24	
Drainfield was vacuumed or hydro-jetted? (If YES, explain in comments)	NO	





1584 Center Rd. Roger Dean Short BLD2022-00581 for demo of fire damaged house.

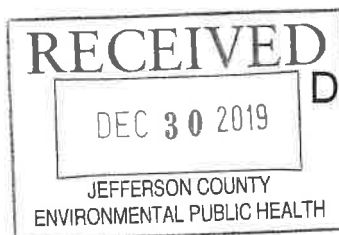
Assessor info indicates built 1880

### Photos for Parcel Number: 901233002





## MEMORANDUM



December 19, 2019

To: Roger Short  
1720 Center Rd  
Chimacum, WA 98325

From: Linda Atkins, Environmental Health  
Subject: Homeowner Authorization Application to complete Monitoring Inspection of Onsite Sewage System at parcel # 901233010-901233002/SOM85-00177 and SOM73-00268

Roger  
Sandy

Santa

### Message:

A review of our records shows that the system under case number SEP85-00177 and SEP73-00268 was never 'finaled/completed' or we have no site plan for the septic system. Therefore we have no records of the location of system components.

Per Jefferson County Code 8.15.150 (7) e. Where there are no county records regarding the type, size, location and other applicable information on a septic system, a site plan identifying the tank location and other components must be completed by a certified O&M Specialist or Licensed Designer and submitted to JCPH prior to any inspection by a homeowner holding an Inspection Authorization.

Please contact us at 360-385-9407 if you have further questions.

Enc. List of O&M Providers,

1-26-19

Linda,

We have made a few repairs of several of the 5 septic's in my name. All appear to have no problems and working properly. There have been so many changes I will hire a Licensed Designer when I have dollars to pay him or her. Finances are very very bad at this time. Getting rid of the beaver would be a better investment if there is concern for water quality.

Roger





## MEMORANDUM

December 19, 2019

To: Roger Short  
1720 Center Rd  
Chimacum, WA 98325

From: Linda Atkins, Environmental Health  
Subject: Homeowner Authorization Application to complete Monitoring Inspection of Onsite Sewage System at parcel # 901233010-901233002/SOM85-00177 and SOM73-00268

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Please contact us at 360-385-9407 if you have further questions.

Enc. List of O&M Providers,



JEFFERSON COUNTY PUBLIC HEALTH  
APPLICATION FOR  
HOMEOWNER INSPECTION AUTHORIZATION

Receipt # \_\_\_\_\_  
Date \_\_\_\_\_  
Authorization # \_\_\_\_\_

Property Owner / Applicant Roger Short  
Mailing Address 1720 Center Road  
Chimacum, Wa 98325  
Phone Number 360 732 4601 Email Address rshort42@gmail.com

Jefferson County Code 8.15.150 (7) a. i. and ii. states that:

a. The owner shall assure that the On-site Sewage System (OSS) receives a complete evaluation of the system components and/or property to determine functionality, maintenance needs and compliance with regulation and any permits:

- i. At least once every three years for all systems consisting solely of a septic tank and gravity drainfield;
- ii. Annually for all other systems unless more frequent inspections are specified by these regulations or the local health officer.

Additionally Jefferson County Code 8.15.150 q. states that:

A property owner may complete monitoring inspections for any OSS on property they own at the frequency identified in Table 1 after completing approved training and meeting the requirements of JCC 8.15.145.

By signing this application for a Homeowner Inspection Authorization I agree to be responsible to review inspection materials prior to completing an inspection of my on-site sewage system including the existing records on file with Jefferson County Public Health, the approved training courses and the Field Inspection Guide.

If I receive assistance in the inspection, the safety, liability and representation of information reported is mine as the system owner. This Inspection Authorization is not transferable.

I certify that I am the legal owner of the parcel/s referenced below and that I have completed approved training on the basics of OSS operation, maintenance and monitoring and on how to complete and report a monitoring inspection, and have provided documentation to JCPH.

I acknowledge that JCPH reserves the right to observe, audit, or inspect the on-site sewage system and related activities to follow-up on the results of this monitoring inspection.

I acknowledge that false reporting of on-site sewage system or site conditions or non-compliance with the requirements of JCC 8.15 constitutes a violation and is subject to the penalties of said code.

I further acknowledge that when this property is listed for sale or the title is transferred an OSS Monitoring Inspection Report completed by a Jefferson County Certified O&M Specialist or Licensed Designer shall be filed within the time frame identified in JCC 8.15.150 (7) a. prior to the time of transfer of the title.

Roger Short

Signature of Property Owner/Applicant

12-19-19

Date

Property Address 1720 Center Rd Chimacum, Wa. 98325

Tax parcel # 901 233 010 SEP case # 85-177

If you own multiple properties with OSS where you will be completing a monitoring inspection list them here:

Address 2330 Center Rd Bill Parcel # 901 262 002 SEP case # 78-366

Address 1594 Center Rd Parker Parcel # 901 233 010 SEP case # 85-177

Address 1584 Center Rd Santo Parcel # 901 233 002 SEP case # 73-268

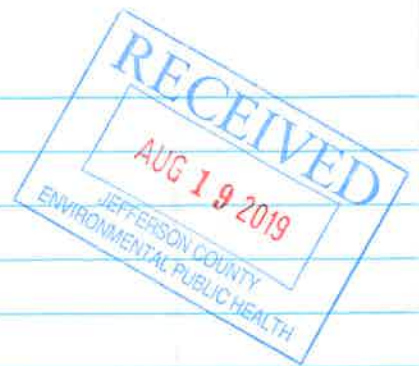
1582 Center Rd Jose 901 233 005

G:\B-ONSITE\O & M\HOMEOWNER Authorization Program\Forms\_and\_FormLetters\HOInspct\_Cert\_application.doc

Unit 74



Aug 15, 2019  
J. C Public Health



Parcel 901 233 002

Goodman looked at septic in  
June

Baffles were missing  
Roger Short replaced.

Tank did not need pumping

Roger took class a couple weeks  
before fixing baffle. I  
thought class was free but had  
no money for certificate.

*Roger Short*





SEATTLE WA 980

17 AUG 2019 PM 6 L



SC Public Health  
615 Sheridan St  
Port Townsend WA 98368

98368-247699







615 Sheridan Street  
Port Townsend, WA 98368  
[www.JeffersonCountyPublicHealth.org](http://www.JeffersonCountyPublicHealth.org)

March 23, 2019

ROGER DEAN SHORT  
SANDY S G SHORT  
1720 CENTER RD  
CHIMACUM WA 98325-9779



Parcel: **901233002**  
Site Address: **CENTER RD**  
Case Number **SOM73-00268**  
Inspections required: **Every Three Years**  
System Type: **CONVENTIONAL TRENCH**

Dear: ROGER DEAN SHORT

Jefferson County Environmental Public Health works in partnership with Jefferson County residents to protect local water quality for all of us. We are sending this notice out to all septic system owners with similar system types to inform you about your septic system monitoring requirements.

Your septic system has the ability to pollute ground and surface water if it is not properly maintained. Monitoring your system's condition is the first step to ensuring that necessary maintenance is completed.

Jefferson County Code requires that every septic system be inspected at the frequency required by state code. This is annually for any system with a pump (or is pressurized) and every three years for a simple gravity system. Your system requires an inspection every three years.

**We have no record of any monitoring inspections on your septic system.**

**You are required to have an inspection completed in the next 60 days (by 5/26/2019).**

Most of these monitoring inspections can be completed by the property owner after completing some training and becoming authorized by the county. You can find out if you are eligible to become authorized and complete the required inspections by going to the 'Resources for Homeowners' link below.

If you are eligible you must complete the necessary training and submit the \$11.00 fee. The 'Resources for Homeowners' link below contains links to both the online training and the schedule of classroom training.

Go to [www.co.jefferson.wa.us/650/Septic-Systems](http://www.co.jefferson.wa.us/650/Septic-Systems). A list of certified professionals and frequently asked questions are attached for your convenience.



Short, Norris  
File

5.00 11/23/73

DCM  
10/25/2022

SEP 73-268

903 E. Caroline  
Port Angeles

OLYMPIC HEALTH DISTRICT  
SEWAGE DISPOSAL PERMIT APPLICATION  
Submit in Duplicate

Permit No. 5350

Court House  
Port Townsend

Builder N/SHORT

Date 11/17/73

OWNER N SHORT

ADDRESS Bx 296 Chimauum

PHONE 732-4423

DIRECTIONS FOR LOCATING SITE 1 1/2 mi So of Chimauum

Valley View Farm

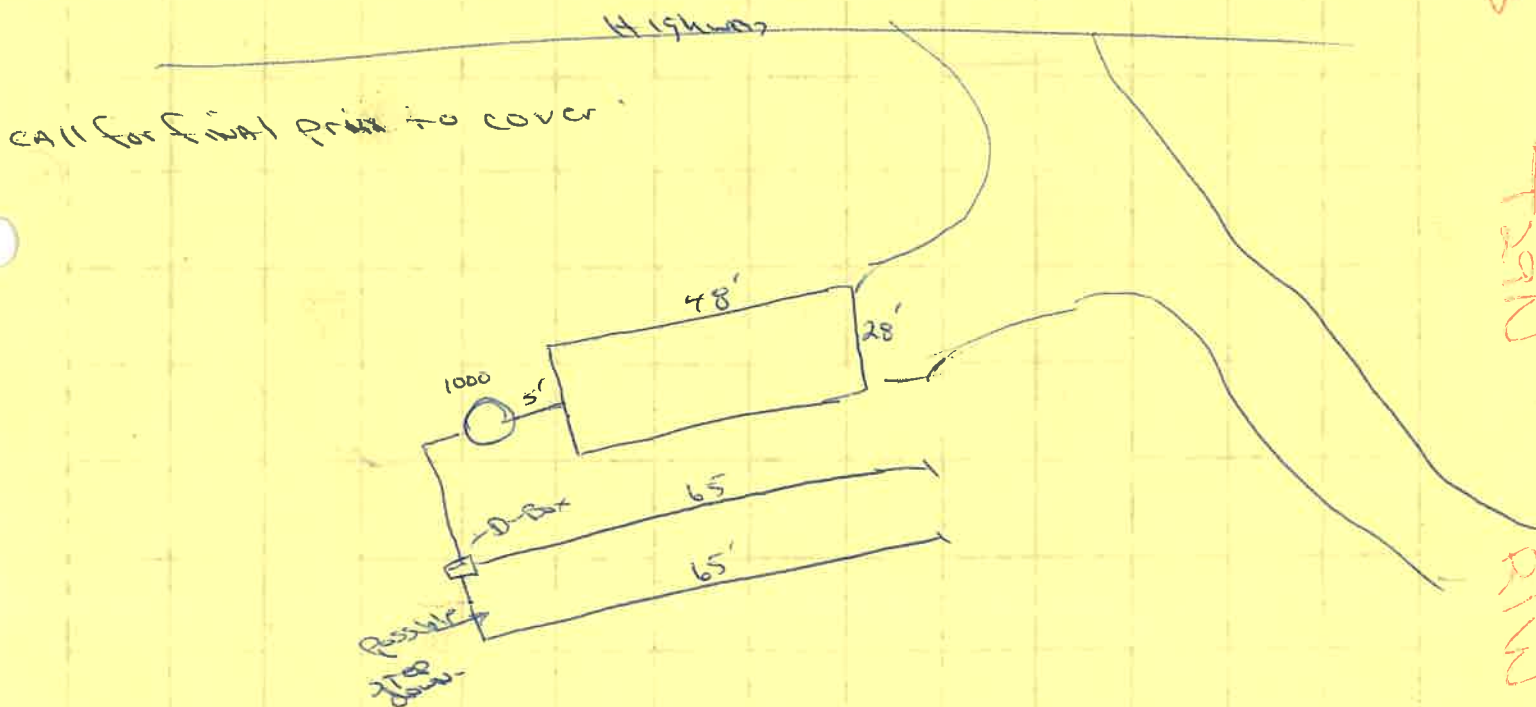
APPLICATION IS HEREBY MADE TO: INSTALL NEW SYSTEM ☒ REPAIR EXISTING SYSTEM ☐

TYPE OF BUILDING L NO. OF BEDROOMS 3 BASEMENT ☒ SITE SIZE 3500 sq ft NAME OF INSTALLER Self

DRAINFIELD LENGTH 130 WIDTH 24 DEPTH 24 #LINES 2 SEPTIC TANK SIZE 750-1000

DRAW A DETAILED PLOT PLAN BELOW. SEE INSTRUCTIONS.

See over



ANY CHANGE IN BUILDING OR SEWAGE DISPOSAL PLANS, LOCATION OR SITE, INVALIDATES THIS PERMIT UNLESS PRIOR APPROVAL OBTAINED FROM THE HEALTH DEPARTMENT.

DATE OF INSTALLATION April

SIGNATURE OF APPLICANT Norris W. Short

PLAN APPROVED ☒ DATE 11/23/73

INSPECTED BY

DATE

SANITARIAN'S COMMENTS:

- possible installation of curtain drain behind house
- 24'-28' deep trenches - 24" wide (12"-16" cover)
- 8' from centers between the two trenches
- 3"-4' fall in 65'

I CERTIFY THAT THIS SYSTEM WAS INSTALLED IN THE MANNER APPROVED BY THE HEALTH DEPARTMENT

DATE

INSTALLER'S NAME

owner did not call for final moved in & using RWD.

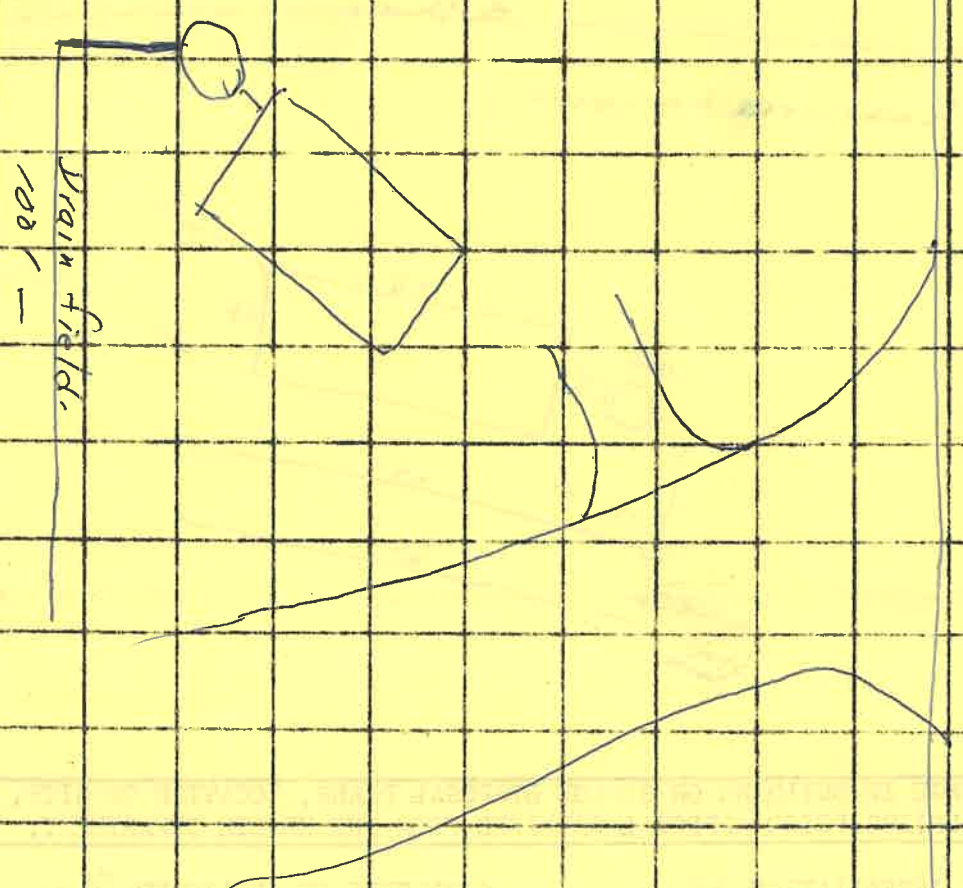
S23  
T29N  
R1N

001 233 002



Highway

NE





## Jefferson County Assessor & Treasurer

### 21983 VALLEY VIEW N&L FAM TRUST for Year 2014 - 2015

#### Property

##### Account

Property ID:	21983	Legal Description:	S23 T29 R1W S1/2 SW1/4(LS PTN E CO RD(LS PTN BTWN CO RD & CREEK
Parcel Number:	901233002	Agent Code:	
Type:	Real	Land Use Code	83
Tax Area:	0211 - 1-49F1E1H2L1	DFL	N
Open Space:	Y	Remodel Property:	N
Historic Property:	N		
Multi-Family Redevelopment:	N		
Township:	29N	Section:	23
Range:	1W		

##### Location


Address:		Mapscot:	
Neighborhood:	S21, 22,& 23 T29N R1W; MCNEIL PARK; STEWARTS GRDN; FAWN MDOW	Map ID:	
Neighborhood CD:	4270		

##### Owner

Name:	VALLEY VIEW N&L FAM TRUST	Owner ID:	29457
Mailing Address:	ETAL 204 FOX TRAIL RD PORT TOWNSEND, WA 98368-9606	% Ownership:	100.0000000000%
		Exemptions:	

#### Taxes and Assessment Details

Property Tax Information as of 03/05/2015

Amount Due if Paid on:  **NOTE:** If you plan to submit payment on a future date, make sure you enter the date and click RECALCULATE to obtain the correct total amount due.

Click on "Statement Details" to expand or collapse a tax statement.

Year	Statement ID	First Half Base Amt.	Second Half Base Amt.	Penalty	Interest	Base Paid	Amount Due
▶ Statement Details							
2015	11803	\$745.33	\$745.24	\$0.00	\$0.00	\$0.00	\$1490.57
▶ Statement Details							
2014	11878	\$744.22	\$744.14	\$0.00	\$0.00	\$1488.36	\$0.00

#### Values

#### Taxing Jurisdiction

#### Improvement / Building

<b>Improvement #1:</b> RESIDENTIAL BLDGS				<b>State Code:</b> 83	1136.0 sqft	<b>Value:</b> \$90,330
<b>Bathrooms (#):</b> 2 (FULL)	<b>Exterior Wall:</b>		PL/T1			
<b>Fireplace:</b> SIN 1-AVG	<b>Floor Construction:</b>		FRAME			
<b>Foundation:</b> CONPR	<b>Heating/Cooling:</b>		HPUMP			
<b>Inside Verify:</b> YES-FIX	<b>Roof Cover:</b>		TILE			

Type	Description	Class CD	Sub Class CD	Year Built	Area
------	-------------	----------	--------------	------------	------



MA	Main Area	2	1S	1974	1136.0
CARPTF	Carport W/Floor	1	*	1974	288.0
OTHER	Other	*	*	1974	0.0
BSMTF	House basement finished	1	*	1974	1380.0

House 1

**Improvement #2:** RESIDENTIAL BLDGS **State Code:** 11 1344.0 sqft **Value:** \$18,951**Bathrooms (#):** 1 (FULL) **Bedrooms (#):** 3**Exterior Wall:** SI/ST **Fireplace:** WD ST-FAIR**Floor Construction:** FRAME **Foundation:** CONPR**Heating/Cooling:** WD/NO **Inside Verify:** YES-FIX**Roof Cover:** COMP

Type	Description	Class CD	Sub Class CD	Year Built	Area
MA	Main Area	1	1S	1880	1344.0
HWPOR	House Wood Porch	1	*	1880	216.0
HENCL	House Enclosure	1	*	1880	216.0
BSMTU	House basement unfinished	1	*	1880	1344.0

House 2

**Sketch****Property Image**

This property contains TIFF images. Click on the button(s) to download the full image (which may contain multiple pages).



4/26/2011



# BUILDING PERMIT APPLICATION

BLD2022-00581  
Review Type:

Jefferson County Department of Community Development  
621 Sheridan Street Port Townsend, WA 98368

PERMIT #: BLD2022-00581 Received Date: 10/11/2022  
SITE ADDRESS: 1584 CENTER RD

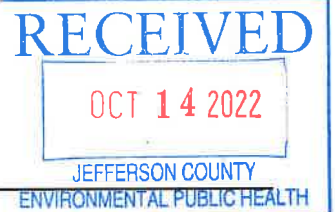
OWNER: ROGER DEAN SHORT PHONE: 360-301-3655  
SANDY S G SHORT  
1720 CENTER RD  
CHIMACUM WA 98325-9779

SUBDIVISION: Block: Lot:  
PARCEL NUMBER: 901233002 Section: 23 Township: 29 N Range: 1W

CONTRACTOR: ROBERT WEBSTER PHONE: 206-856-7282  
490 E BAY HEIGHTS DR  
ALLYN WA 98524

Contractor's License RWEXCWE842K5 Expires 6/3/2024

REPRESENTATIVE: PHONE:



## PROJECT DESCRIPTION: DEMO- FIRE DAMAGED HOUSE

Demo

TYPE OF WORK	RES	SQUARE FOOTAGE:
TYPE OF IMP	DEM	
VALUATION		MAIN:
CODE EDITION:	2018	ADD'L:
OCCUPANCY:		HEAT TYPE:
OCCUPANCY:		HEAT TYPE:
CONST TYPE:		# OF STORIES:
CONST TYPE:		SHORELINE:
		SETBACK:
		BANK HEIGHT:

SEWAGE DISPOSAL:  
WATER SYSTEM:

BEDROOMS:	BATHROOMS:	Type	Amount Paid	By:	Date:	Receipt
Exist:	Exist:	Permit DCD010	\$102.00	ACK	10/14/22	204946
Prop:	Prop:	EH SEP/RES Rev EH038	\$148.00	ACK	10/14/22	204946
Total:	Total:	Scanning Fee DCD022	\$25.50	ACK	10/14/22	204946
		Tech Fee DCD003	\$13.77	ACK	10/14/22	204946
		<b>Total:</b>	<b>\$289.27</b>			

10/17/2022 EE

SEP 73-268 no O&M on record  
pump report from 8/12/22 for "old system attached  
to a burned down house"

OK for septic w/ hold condition for  
decommissioning of OSS

SEP DCM documentation recvd 10/3/2022



## TANK PUMPING REPORT

Site Name:

Location: 1584 Center Rd

Chimacum

Tax ID: 901233002

Use: Residential, Single Family

### Service Company:

Goodman, Inc.

2495 Cape George Rd  
Port Townsend, WA 98368  
360-385-7155



Serviced: 08/12/2022 by: John Hill

Submitted 09/06/2022 by: Doug Nebel

Dump Location: Bio-Recycling

Jurisdiction ID: SOM1973-00268

### COMMENTS

Old system attached to a burned down house.

#### TANK: Septic Tank - 1 Compartment

Tank Pumped:	YES	
Tank Size (Gallons)(Number only, no text):	500	
Effluent level within operational limits (if NO explain in comments):	YES	
Total Gallons pumped from tank (Number only, no text):	500	
Effluent returning back into tank after pumping:	NO	
Tank depth below grade (inches):	0	
Access Risers installed to grade (N/A if not present):	N/A	
Access Risers securely fastened (N/A if no riser present):	N/A	
Tank Construction Material:	Concrete	
Tank Condition Good:	NO	Deficient
Roots or ground water observed leaking into the tank or around the risers:	NO	
Baffles in good condition (N/A if not present):	NO	Deficient
Effluent screen cleaned (N/A if not present):	N/A	
Effluent surfacing around site components (N/A if not checked):	NO	
Tank abandoned after pumping:	YES	
Were repairs made to the Tank or Tank Components? (if YES explain in comments):	NO	
Compartment 1 Scum accumulation (Inches, if other specify):	4	
Compartment 1 Sludge accumulation (Inches, if other specify):	24	
Drainfield was vacuumed or hydro-jetted? (If YES, explain in comments)	NO	

This report indicates certain characteristics of the onsite sewage system at the time of visit. In no way is this report a guarantee of operation or future performance.

ReportID: 608875

View pump reports online at [www.onlinermc.com](http://www.onlinermc.com)

Page 1 of 1



BLD 2022-00581  
RECEIVED BY DOD 10/17/22

- NOTES:
- FOUNDATION HOLE TO BE BACKFILLED AND SEEDED.
  - ALL VEGITATION AROUND STRUCTURE TO REMAIN
  - UTILITIES TO BE CUT AND CAPPED OUTSIDE BUILDING ENVELOPE
  - WATER TO BE USED FOR DUST SUPPERSSSION

10/17/22

OK for septic  
w/ hold condition

EXISTING  
STRUCTURE TO  
REMAIN

901233002

EXISTING FIRE  
DAMAGED  
STRUCTURE TO BE  
REMOVED

BLD 2022-581



SHARED  
DRIVEWAY  
ACCESS

EXISTING  
STRUCTURE TO  
REMAIN

OVERHEAD  
POWER (350')  
- DISCONNECTED

901233010



CENTER RD

901233005

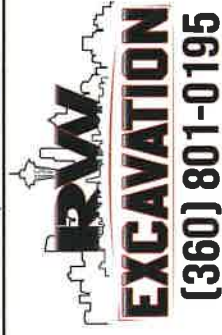
CHIMACUM CREEK

CHIMACUM CREEK

RECEIVED

OCT 14 2022

JEFFERSON COUNTY  
ENVIRONMENTAL PUBLIC HEALTH



SKETCH NUMBER

CHECKED BY  
RCW

SCALE  
1"=80'

SITE ADDRESS  
N/A

APPLICANT NAME  
ROBERT WEBSTER

DATE  
OCTOBER 04, 2022

PARCEL NUMBER  
901233002

PROJECT NUMBER  
22D-025

SITE PLAN





## Case Activity Listing

Case #: SEP1978-00366

11/8/2022

12:04:55PM

Activity	Description	Date 1	Date 2	Date 3	Hold	Disp	Assigned To	Done By	Updated By	Notes
SEPA010	Case Entered "P"			3/9/2015	None			DLS	3/9/2015 DLS	
SEPC051	Issue permit no form "A"			3/8/1978	None	DONE		LA	3/9/2015 DLS	
SEPD020	SEPTIC PERMIT FINALED "F"			4/20/1978	None	DONE		LA	3/9/2015 DLS	





## Case Activity Listing

Case #: SOM1978-00366

11/8/2022

12:05:26PM

Activity	Description	Date 1	Date 2	Date 3	Hold	Disp	Assigned To	Done By	Updated By	Notes
SOMA001	Case Entered SEP Status "F"			4/20/1978	None	DONE		LA	3/9/2015 DLS	signed off by Larry Anderson
SOMC210	Insp Required (1st Notice)(fm)			10/16/2019	None				10/16/2019 LAM	ADDED FROM BATCH



**Jefferson County Public Health  
Environmental Public Health Department**

615 Sheridan, Port Townsend WA 98368  
360-385-9444 <https://health.jeffcowa.us/septic>

Homeowner Authorization is granted to **Roger Short** complete Monitoring Inspections at the frequency identified

1594 Center Rd, Chimacum, WA 98325

The above named party agrees to comply with the rules and regulation adopted by the Jefferson County Board of Health under Jefferson County Code 8.15, Onsite Sewage Disposal Systems and any amendments. Further, the noted party agrees to all conditions of this Authorization.

This Authorization may be suspended or revoked by the Jefferson County Health Officer or their designee. An opportunity for a hearing shall be provided pursuant to Jefferson County Code 8.15 by any person aggrieved by a decision or notice made by the Health Officer.

This Authorization is not transferrable and is only valid for the address/s identified above.

This Authorization expires upon change of ownership or installation of a new system on the above referenced property or properties.

**AUTHORIZATION CONDITIONS**

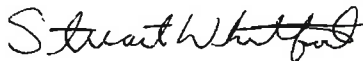
The Authorized Homeowner shall:

- Review inspection materials prior to completing an inspection of the on-site sewage system including the existing records on file with Jefferson County Public Health, the approved training courses and the Field Inspection Guide.
- Acknowledge that if they receive assistance in the inspection, the safety, liability and representation of information reported is theirs as the system owner.
- Report the results of the Monitoring Inspection completely in the form and manner required in JCC 8.15.
- Report failure of an on-site sewage system to JCPH within 24 hours of first identifying the failure.
- Acknowledge that JCPH reserves the right to observe, audit, or inspect the on-site sewage system and related activities to follow-up on the results of monitoring inspections completed under this authorization.
- Assure that when the property identified above is listed for sale or the title is transferred an OSS Monitoring Inspection Report completed by a Jefferson County Certified O&M Specialist or Licensed Designer shall be filed within the time frame identified in JCC8.15 prior to the transfer of the title.

Failure to comply with the terms and conditions of this Authorization may be cause for suspension or revocation of this Authorization.



JC Health Officer



Environmental Health Director

12/19/2019

Date



JEFFERSON COUNTY PUBLIC HEALTH  
APPLICATION FOR  
HOMEOWNER INSPECTION AUTHORIZATION

Fee \$ \_\_\_\_\_  
Receipt # \_\_\_\_\_  
Date \_\_\_\_\_  
Authorization # \_\_\_\_\_

Property Owner / Applicant Roger Short  
Mailing Address 1720 Center Road  
Chimacum, Wa 98325  
Phone Number 360 732 4601 Email Address rshort42@gmail.com

Jefferson County Code 8.15.150 (7) a. i. and ii. states that:

a. The owner shall assure that the On-site Sewage System (OSS) receives a complete evaluation of the system components and/or property to determine functionality, maintenance needs and compliance with regulation and any permits:

- i. At least once every three years for all systems consisting solely of a septic tank and gravity drainfield;
- ii. Annually for all other systems unless more frequent inspections are specified by these regulations or the local health officer.

Additionally Jefferson County Code 8.15.150 q. states that:

A property owner may complete monitoring inspections for any OSS on property they own at the frequency identified in Table 1 after completing approved training and meeting the requirements of JCC 8.15.145.

By signing this application for a Homeowner Inspection Authorization I agree to be responsible to review inspection materials prior to completing an inspection of my on-site sewage system including the existing records on file with Jefferson County Public Health, the approved training courses and the Field Inspection Guide.

If I receive assistance in the inspection, the safety, liability and representation of information reported is mine as the system owner. This Inspection Authorization is not transferable.

I certify that I am the legal owner of the parcel/s referenced below and that I have completed approved training on the basics of OSS operation, maintenance and monitoring and on how to complete and report a monitoring inspection, and have provided documentation to JCPH.

I acknowledge that JCPH reserves the right to observe, audit, or inspect the on-site sewage system and related activities to follow-up on the results of this monitoring inspection.

I acknowledge that false reporting of on-site sewage system or site conditions or non-compliance with the requirements of JCC 8.15 constitutes a violation and is subject to the penalties of said code.

I further acknowledge that when this property is listed for sale or the title is transferred an OSS Monitoring Inspection Report completed by a Jefferson County Certified O&M Specialist or Licensed Designer shall be filed within the time frame identified in JCC 8.15.150 (7) a. prior to the time of transfer of the title.

Roger Short

Signature of Property Owner/Applicant

12-19-19

Date

Property Address 1720 Center Rd Chimacum, Wa. 98325

Tax parcel # 901 233 010 SEP case # 85-177

If you own multiple properties with OSS where you will be completing a monitoring inspection list them here:

Address 2330 Center Rd Bill Parcel # 901 262 002 SEP case # 78366 *air change*

Address 1594 Center Rd Parker Parcel # 901 233 010 SEP case # 85-177 *NF*

Address 1584 Center Rd Santo Parcel # 901 233 002 SEP case # 73-268 *NF*

1582 Center Rd Jose 901 233 005

G:\B-ONSITE\O & M\HOMEOWNER Authorization Program\Forms\_and\_FormLetters\HOInspct\_Cert\_application.doc

*Built 74-*

*WID System*



If you have additional on-site sewage systems please list the above information on the back of this sheet.

Site address	Parcel #	SEP Case #



SHORT, Norris

JEFFERSON COUNTY HEALTH DEPARTMENT  
802 SHERIDAN AVENUE  
PORT TOWNSEND, WASHINGTON 98368  
(206) 385-0722

SEP 78-366

INSTALLER self  
BUILDER \_\_\_\_\_

RECEIPT NO. 7717  
DATE 3-7-78

SEWAGE DISPOSAL PERMIT  
Submit in Duplicate

Owner Norris Short Address Po Box 338 Chimacum Phone 732 4601  
2 miles South of Chimacum on Center Rd  
Directions for locating site  
1 1/2 South of Chimacum Valley View Farm D

INSTALL NEW SYSTEM ☒ REPLACE SYSTEM ☐ PARTIAL REPAIR ☐ TANK/DRAINFIELD ☐

TYPE OF BUILDING mobile NO. OF BEDROOMS 2 BASEMENT \_\_\_\_\_ SITE SIZE 1 Acre

DRAW DETAILED PLOT PLAN BELOW. STUB OUT PLUMBING ABOVE FOUNDATION FOOTING  
SOIL LOGS SANDY LOAM



Dig two holes per site. (min.)  
4' deep - 2' dia. - 50' apart & flag

APPLICANT \_\_\_\_\_

Drainfield Length 150' Width 24" Depth 30" # Lines 2 Tank Size 1000 Gal.

- COMMENTS:
- (1) USABLE AREA IS EXTREMELY LIMITED
  - (2) LEACH LINES LEVEL ACROSS SLOPE
  - (3) PROVIDE FILL ON DOWN HILL SIDE OF SYSTEM (APPROX 20')
  - (4) SET TANK SHALLOW
  - (5) NO DRIVING OR PARKING ON DRAINFIELD AREA
  - (6) FINAL INSPECTION REQUIRED PRIOR TO COVERING

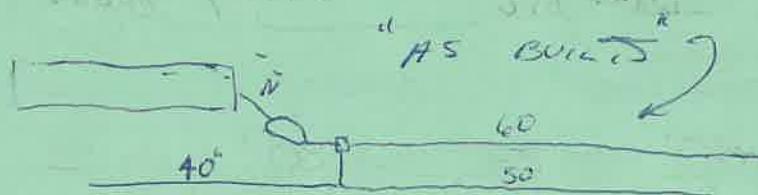
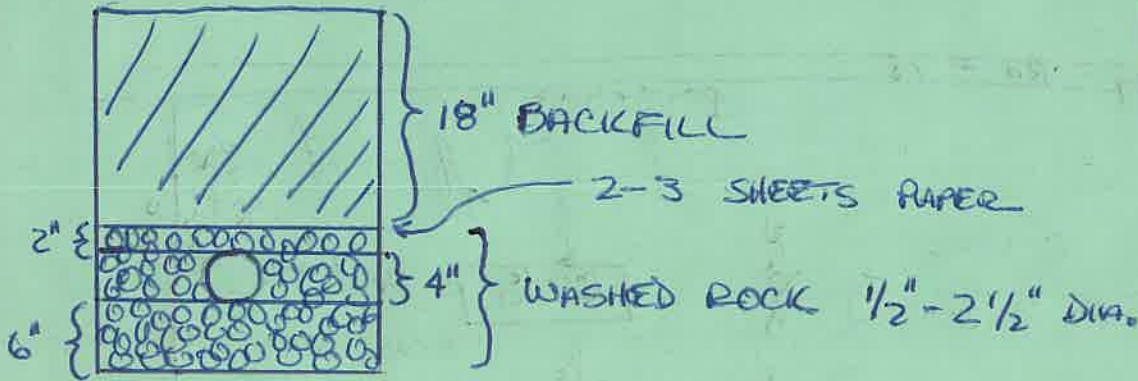
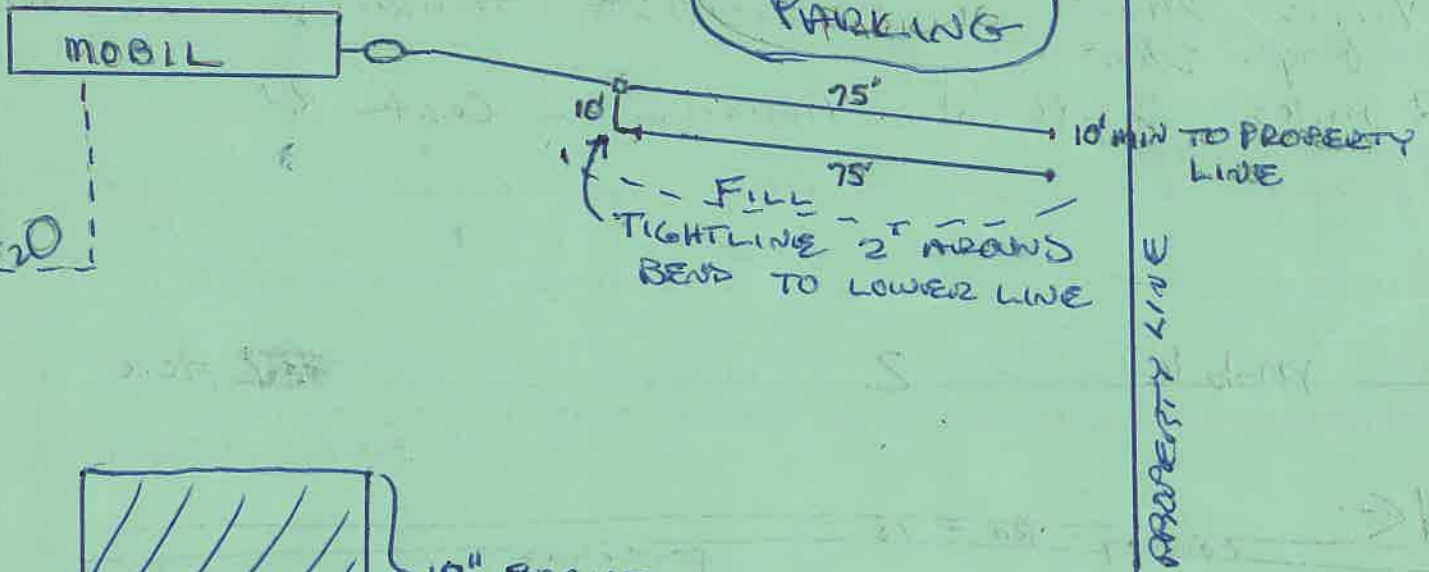
APPROVED [Signature] DATE 3/8/78 INSPECTED [Signature] PARTIAL/FINAL DATE 4/20/78  
I certify that this system was installed in a manner approved by the Health Department.

INSTALLER'S SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_ DATE INSTALLED \_\_\_\_\_

LEGAL DESCRIPTION: SECTION 23 TOWNSHIP 29N RANGE 1W QUARTER 901-262-002  
SUBDIVISION \_\_\_\_\_ DIVISION \_\_\_\_\_ BLOCK \_\_\_\_\_ LOT \_\_\_\_\_



Co ROAD



Gray L. Smith - in office 4/10/20 Read to final plan was changed! -





Filed for Record at Request of

AFTER RECORDING MAIL TO:

Roger & Sandy Short  
1720 Center Rd.  
Chimacum, WA  
98325

PIC 37724

THIS SPACE RESERVED FOR RECORDING  
303-256  
PIONEER TITLE COMPANY  
1350 APR -9 PM 3:48  
HARRY E. GAGGLEY  
JEFFERSON COUNTY AUDITOR  
BY MB DEPUTY  
329731

### Quit Claim Deed

THE GRANTOR NORRIS W. SHORT & LAURA L. SHORT

for and in consideration of LOVE AND AFFECTION  
convey and quit claim to ROGER DEAN SHORT & SANDY G. D. SHORT  
the following described real estate, situated in the County of JEFFERSON  
State of Washington including any interest therein which grantor may hereafter acquire:

AN EASEMENT: 60 FEET IN WIDTH FOR INGRESS, EGRESS, AND UTILITY PURPOSES OVER AND ACROSS THE NORTH 560 FEET OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 23, TOWNSHIP 29 NORTH, RANGE 1 WEST W.M., SAID EASEMENT TO BE THAT 60 FOOT STRIP IN WIDTH LYING ADJACENT TO AND WESTERLY OF THE WEST LINE OF THE PROPERTY OF THE CHIMACUM CREEK DRAINAGE DISTRICT.

Dated this 6th day of April, 1990

JEFFERSON COUNTY EXCISE TAX

AM. No. 61918

Date 4-9-90 Amt. \$

By Jeffrey D. Smith  
TREASURER

By Norris W. Short

By Laura L. Short

STATE OF WASHINGTON

COUNTY OF Jefferson

On this day personally appeared before me  
Norris W. Short and Laura L. Short  
known to be the individual described in and who  
acknowledged the above and foregoing instrument, and  
certified that they signed the same as  
their free and voluntary act and deed, for the  
uses and purposes therein contained.

GIVEN under my hand and official seal this  
19th day of April, 1990

Jeffrey D. Smith  
Notary Public in and for the State of Washington,  
residing at Chimacum, WA

My appointment expires on March 31, 1993

VIL 303 256

STATE OF WASHINGTON

COUNTY OF \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_,  
before me, the undersigned, a Notary Public in and for the State of Washington, duly  
commissioned and sworn, personally appeared \_\_\_\_\_

and \_\_\_\_\_  
known to be the \_\_\_\_\_ President and \_\_\_\_\_ Secretary  
respectively, of  
the corporation that executed the foregoing instrument, and acknowledged the said in-  
strument to be the free and voluntary act and deed of said corporation, for the uses  
and purposes therein mentioned, and he/she stated that  
authorized to execute the said instrument and that the said officer is the corporate  
agent of said corporation.

Witness my hand and official seal herein affixed the day and year first above  
written.

Notary Public in and for the State of Washington, residing at \_\_\_\_\_  
My appointment expires on \_\_\_\_\_

901233010







		Base Amt.	Base Amt.				
▶ Statement Details							
2015	11901	\$273.40	\$273.34	\$0.00	\$0.00	\$0.00	\$546.74
▶ Statement Details							
2014	11976	\$268.22	\$268.13	\$0.00	\$0.00	\$536.35	\$0.00

## Values

### Taxing Jurisdiction

### Improvement / Building

**Improvement #1:** MOBILE HOME **State Code:** 11M 980.0 sqft **Value:** \$4,065  
**Bathrooms (#):** 1 (FULL) **Bedrooms (#):** 2  
**Exterior Wall:** ECONO **Fireplace:** WD ST-FAIR  
**Floor Construction:** CONCR **Foundation:** PO&BL  
**Heating/Cooling:** F/A **Roof Cover:** METAL

Type	Description	Class CD	Sub Class CD	Year Built	Area
MA	Main Area	2	MSG	1978	980.0
MDECK	MH Deck	2	*	1978	400.0
OTHER	Other	*	*	1978	0.0

## Sketch

### Property Image



## Land

### Roll Value History



# Jefferson County Assessor & Treasurer

## 22081 ROGER D SHORT for Year 2014 - 2015

### Property

#### Account

Property ID:	22081	Legal Description:	S26 T29 R1W NW1/4(LS PTNS E OF CO RD & W OF VALLEY RIDGELINE)
Parcel Number:	901262002	Agent Code:	
Type:	Real		
Tax Area:	0211 - 1-49F1E1H2L1	Land Use Code	83
Open Space:	Y	DFL	N
Historic Property:	N	Remodel Property:	N
Multi-Family Redevelopment:	N		
Township:	29N	Section:	26
Range:	1W		

#### Location

Address:	2330 CENTER RD CHIMACUM, WA 98325	Mapsco:	
Neighborhood:	S26 & S27 T29N R1W	Map ID:	
Neighborhood CD:	4280		

#### Owner

Name:	ROGER D SHORT	Owner ID:	27306
Mailing Address:	1720 CENTER RD CHIMACUM, WA 98325-9779	% Ownership:	100.000000000000%
		Exemptions:	

### Taxes and Assessment Details

Property Tax Information as of 03/05/2015

Amount Due if Paid on: 

**NOTE:** If you plan to submit payment on a future date, make sure you enter the date and click RECALCULATE to obtain the correct total amount due.

Click on "Statement Details" to expand or collapse a tax statement.

Year	Statement ID	First Half	Second Half	Penalty	Interest	Base Paid	Amount Due





## Case Activity Listing

Case #: SEP1985-00177

11/8/2022

11:58:51AM

Activity	Description	Date 1	Date 2	Date 3	Hold	Disp	Assigned To	Done By	Updated By	Notes
SEPA010	Case Entered			10/12/2004	None			PRB	10/12/2004 PRB	
SEPC051	Issue permit no form			12/14/1985	None	DONE		RMD	10/12/2004 PRB	
SEPD030	Not finaled "N"			4/8/1986	Warn	DONE		JC	10/12/2004 PRB	





## Case Activity Listing

Case #: SOM1985-00177

11/8/2022

11:59:49AM

Activity	Description	Date 1	Date 2	Date 3	Hold	Disp	Assigned To	Done By	Updated By	Notes
SOMC110	Misc. Correspond. -letter			12/19/2019	None	DONE		DLS	12/19/2019 DLS	Roger Short has taken the class and paid the fee for the HO Inspector program. Sent a memo that we will need a site plan in order to authorize him.
SOMC100	Misc. Conversation or email			1/2/2020	None	DONE		DLS	1/2/2020 DLS	HO states he has made repairs to several of the 5 septic systems he owns. He will hire a designer when he has the money to pay.
SOMC210	Insp Required (1st Notice)(fm)			2/18/2020	None				2/18/2020 LAM	ADDED FROM BATCH



## MEMORANDUM



December 19, 2019

To: Roger Short  
1720 Center Rd  
Chimacum, WA 98325

From: Linda Atkins, Environmental Health  
Subject: Homeowner Authorization Application to complete Monitoring Inspection of Onsite Sewage System at parcel # 901233010-901233002/SOM85-00177 and SOM73-00268

Roger  
Sandy

Santa

### Message:

A review of our records shows that the system under case number SEP85-00177 and SEP73-00268 was never 'finaled/completed' or we have no site plan for the septic system. Therefore we have no records of the location of system components.

Per Jefferson County Code 8.15.150 (7) e. Where there are no county records regarding the type, size, location and other applicable information on a septic system, a site plan identifying the tank location and other components must be completed by a certified O&M Specialist or Licensed Designer and submitted to JCPH prior to any inspection by a homeowner holding an Inspection Authorization.

Please contact us at 360-385-9407 if you have further questions.

Enc. List of O&M Providers,

2-26-19 Linda,  
We have made a few repairs of several of the 5 septic's in my name. All appear to have no problems and working properly. There have been so many changes I will hire a Licensed Designer when I have dollars to pay him or her. Finances are very very bad at this time. Getting rid of the beaver would be a better investment if there is concern for water quality.  
Roger





## MEMORANDUM

December 19, 2019

To: Roger Short  
1720 Center Rd  
Chimacum, WA 98325

From: Linda Atkins, Environmental Health  
Subject: Homeowner Authorization Application to complete Monitoring Inspection of Onsite Sewage System at parcel # 901233010-901233002/SOM85-00177 and SOM73-00268

### Message:

A review of our records shows that the system under case number SEP85-00177 and SEP73-00268 was never 'finalized/completed' or we have no site plan for the septic system. Therefore we have no records of the location of system components.

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Please contact us at 360-385-9407 if you have further questions.

Enc. List of O&M Providers,



JEFFERSON COUNTY PUBLIC HEALTH  
APPLICATION FOR  
HOMEOWNER INSPECTION AUTHORIZATION

Receipt # \_\_\_\_\_  
Date \_\_\_\_\_  
Authorization # \_\_\_\_\_

Property Owner / Applicant Roger Short  
Mailing Address 1720 Center Road  
Chimacum, Wa 98325  
Phone Number 360 732 4601 Email Address rshort42@gmail.com

Jefferson County Code 8.15.150 (7) a. i. and ii. states that:

a. The owner shall assure that the On-site Sewage System (OSS) receives a complete evaluation of the system components and/or property to determine functionality, maintenance needs and compliance with regulation and any permits:

- i. At least once every three years for all systems consisting solely of a septic tank and gravity drainfield;
- ii. Annually for all other systems unless more frequent inspections are specified by these regulations or the local health officer.

Additionally Jefferson County Code 8.15.150 q. states that:

A property owner may complete monitoring inspections for any OSS on property they own at the frequency identified in Table 1 after completing approved training and meeting the requirements of JCC 8.15.145.

By signing this application for a Homeowner Inspection Authorization I agree to be responsible to review inspection materials prior to completing an inspection of my on-site sewage system including the existing records on file with Jefferson County Public Health, the approved training courses and the Field Inspection Guide.

If I receive assistance in the inspection, the safety, liability and representation of information reported is mine as the system owner. This Inspection Authorization is not transferable.

I certify that I am the legal owner of the parcel/s referenced below and that I have completed approved training on the basics of OSS operation, maintenance and monitoring and on how to complete and report a monitoring inspection, and have provided documentation to JCPH.

I acknowledge that JCPH reserves the right to observe, audit, or inspect the on-site sewage system and related activities to follow-up on the results of this monitoring inspection.

I acknowledge that false reporting of on-site sewage system or site conditions or non-compliance with the requirements of JCC 8.15 constitutes a violation and is subject to the penalties of said code.

I further acknowledge that when this property is listed for sale or the title is transferred an OSS Monitoring Inspection Report completed by a Jefferson County Certified O&M Specialist or Licensed Designer shall be filed within the time frame identified in JCC 8.15.150 (7) a. prior to the time of transfer of the title.

Roger Short

Signature of Property Owner/Applicant

12-19-19

Date

Property Address 1720 Center Rd Chimacum, Wa. 98325

Tax parcel # 901 233 010 SEP case # 85-177

If you own multiple properties with OSS where you will be completing a monitoring inspection list them here:

Address 2330 Center Rd Bill Parcel # 901 262 002 SEP case # 48366

Address 1594 Center Rd Parker Parcel # 901 233 010 SEP case # 85-177

Address 1584 Center Rd Santo Parcel # 901 233 002 SEP case # 73-268

1582 Center Rd Jose 901 233 005

G:\B-ONSITE\O & M\HOMEOWNER Authorization Program\Forms\_and\_FormLetters\HOInspct\_Cert\_application.doc

Built 74-

NF  
NF  
NF  
NO System



Paul 10/12/07

A building permit w/ plumbing gets  
EH review for septic sign off on properties  
> 5ac.

EH needs to know the following.

- + The quantity of sewage generated  
(number of employees)
- + Proposed disposal of sewage.
- + Full EES (Evaluation Existing System)
  - \* to determine current status + capacity of system to be used. Is it adequate to permit a new business with.
- + Designate a reserve drainfield

\* Current records do not indicate the system has been evaluated recently. Currently we do not find a septic permit on this or surrounding property owned by Roger.



SHORT, Roger & Sandy  
Valley View Dairy

THIS PERMIT WILL EXPIRE ONE YEAR FROM DATE ISSUED. APPLICATION  
FOR RENEWAL FOR ONE YEAR MUST BE MADE BEFORE EXPIRATION.

JEFFERSON COUNTY HEALTH DEPARTMENT

802 SHERIDAN AVENUE

INSTALLER Owner or Lic'd installer PORT TOWNSEND, WASHINGTON 98368

(206) 385-0722

RECEIPT NO. 1287

DATE 11-22-85

BUILDER \_\_\_\_\_

SEWAGE DISPOSAL PERMIT

**ROGER AND SANDY SHORT**

VALLEY VIEW DAIRY

7324601

Owner

1720 CENTER ROAD Address  
CHIMACUM, WA 98325

Phone

Directions for locating site

1720 Center Road

INSTALL NEW SYSTEM ☒ REPLACE SYSTEM ☐ PARTIAL REPAIR ☐ TANK/DRAINFIELD ☒

EXISTING - Built July 1985 -  
TYPE OF milking NO. OF 1 boiler  
BUILDING parlor BEDROOM

SITE Acres  
DATE 12/10/85

Previous site evaluation by  
Health Department  
Yes    No    ✓

Depth to maximum seasonal  
water table 30" ~~20"~~

Source of potable water supply  
Public    Private    ✓  
Source type: Drilled well     
Dug well     
Other   

if now doing  
cheese processing  
or other commercial  
activity

12' lean  
- sand/gravel  
12" gravel

EVERY APPLICANT HAS THE RIGHT  
APPEAL AS PER JEFFERSON COUNTY  
ORDINANCE 2-77.

Roger Short

SIGNATURE OF APPLICANT

ANY REMOVAL OF OR MAJOR DISTURBANCE OF SOIL IN THE PROPOSED OR APPROVED DRAINFIELD  
AREA MAY CREATE SITE CONDITIONS THAT ARE UNACCEPTABLE FOR THE INSTALLATION OF A  
SEWAGE DISPOSAL SYSTEM. ANY CHANGE IN BUILDING OR SEWAGE DISPOSAL PLANS (INCLUDING  
PLUMBING STUBOUT LOCATION) AND/OR LOCATION OF HOUSE OR DRAINFIELD INVALIDATES THIS  
PERMIT UNLESS PRIOR APPROVAL IS OBTAINED FROM THE HEALTH DEPARTMENT. (Call Health Dept.  
for final inspection). STUB OUT PLUMBING ABOVE FOUNDATION FOOTING, (Existing installed  
without SDR)

Drainfield Length 60' Trench width 3' Trench depth 18" No. lines 3 Tank size 500

Soil type and application rate used for design 3 GPD/ft<sup>2</sup> - .8

COMMENTS: - D-box level on slab - water level ✓ - water leveled D-box when it was on-site - OK  
- here drainfield lines follow level ✓ - level, etc. OK

See other attached comments & conditions of permit issuance.

(LIMITED USEABLE AREA)

d. field already covered w/ some soil, newspaper visible.

APPROVED

DATE

INSPECTED

PARTIAL/FINAL

DATE

I certify that this system was installed in a manner approved by the Health Department.

INSTALLER'S SIGNATURE

DATE

DATE INSTALLED

cc: Owner - 12/16/85, Bldg. Dept. - 12/16/85

JCHD/7-84 cc: Randall Watson, Dept. of Agriculture 12/16/85

cc: owner - 4/7/86

LEGAL DESCRIPTION: SECTION 23 TOWNSHIP 29N RANGE 1W QUARTER    PARCEL NUMBER 901233010  
SUBDIVISION    DIVISION    BLOCK    LOT     
DATE SUBDIVISION RECORDED



901233010



一三〇  
二六八



Roger and Sandy Short  
Section 23, Township 29 North, Range 1 West  
Sewage Disposal Permit - 12/14/85

Comments and Conditions:

4/8/86 - JC  
on-site

1. Disconnect existing 500 gallon septic tank from manure tank line. - *observed disconnect*
2. Divert all sources of surface water away from the drainfield area. - *still need to do, re-iterated instructions to R. Short*
3. Partial fill drainfield area with 6"-12" loamy sand and/or sand. - *done*
4. As indicated by owner use of restroom very minimal. (Four maximum employees. Twice a day was use described by owner.) - Conserve use of water.
5. Block off and protect drainfield from driving or parking on. - *still to do*
6. Call for final inspection. Also have exposed for inspection the disconnect to manure tank line and new line from the outlet side of the septic tank to the D-Box. ✓ *observed*



Milking  
parlor



septic  
tank



Shed



drainfield  
site



North



Center Village Road

Opportunity



To Chimney

Center Valley Road

1582

1720

Rose's house

Milking  
parlor

To Valley





State of Washington

Department of Agriculture  
Dairy and Food Division  
406 General Administration Bldg.  
Olympia, WA 98504

MEMO

Local  
Dairy Inspector - 11/10/85

Randall Watson

SCAN 234-5042  
(206) 753-5042

11/25/85

I was advised by Mr. David Goldsmith, Planning Director, and Mike Ajax, Building Inspector, the Roger Short Milk Parlor constructed with toilet facilities between June and August 1985 is exempt and not under their jurisdiction or the building code as it is an "agricultural building". RMD



MEMO

To: File

From: Randall M. Durant, R.S.

11/25/85      I was advised by Mr. David Goldsmith, Planning Director, and Mike Ajax, Building Inspector, the Roger Short Milk Parlor constructed with toilet facilities between June and August 1985 is exempt and not under their jurisdiction or the building code as it is an "agricultural building".      RMD



TO: R.  
DATE 11-18 TIME 4:03  
**A MESSAGE FOR YOU**  
M Roger Short  
OF 1720 CLIMAX  
MESSAGE:

<input type="checkbox"/>	Called You
<input checked="" type="checkbox"/>	Please Call
<input type="checkbox"/>	Returned Your Call
<input type="checkbox"/>	Was Here To See You
<input type="checkbox"/>	Will Call Again
<input type="checkbox"/>	Wants to See You
<input type="checkbox"/>	Left Information
SCAN No. <u>732-4601</u> OFF SCAN No.	

CLIMAX, WA.  
9.

S.D.P. & info sent 11/9/85 CP.

SF 8023



INITIALS



B. G. Brown  
James Withrow

re (Scan 234-5042).  
acing the old between  
proved his plans and  
stalled. Mr. Watson  
ch he said Mr. Short

complete. Mr. Watson  
Wednesday, 11/20/85.  
tc.) Building completed

the county, which

RMD

11/18/85

TC from Roger Short. The Dairy Inspector, Mr. Watson, saw him today. Roger said he did install a septic tank without a permit. Did not install a drainfield. Runs the sewage into his manure tank (then on to his fields?). As is in valley, I advised he try and find high ground with at least 2' of soil. He claims he has none. I advised he look for and discussed possible option of hookup to his home system if it is o.k. and since he claimed very limited use of the toilet and sink in his new milk house. Told Roger I would send him an application and he should proceed with the process in hopes an area can be approved.

SDP sent out 11/19/85.

RMD TC to Building Department. They have no record of a building permit.

RMD



MEMO TO FILE -----

11/18/85

OC - Randall Watson, Department of Agriculture (Scan 234-5042). Roger Short, Jr. built a new milkhouse replacing the old between June and August (1720 Center Road). Ag. approved his plans and now require a toilet with handwashing be installed. Mr. Watson told him to get a SDP from the local HD which he said Mr. Short said he would do (with reluctance).

CP could find no permit, pending, expired or complete, Mr. Watson will be contacting Mr. Short regarding this Wednesday, 11/20/85. We will also do follow-up. (BP? - SDP? - etc.) Building completed in August.

Mr. Watson said there are seven dairies in the county, which includes a goat dairy. These are:

Two Huntingfords  
Art Bishop  
Roger Short, Jr.  
B. G. Brown  
James Withrow

RMD

11/18/85

TC from Roger Short. The Dairy Inspector, Mr. Watson, saw him today. Roger said he did install a septic tank without a permit. Did not install a drainfield. Runs the sewage into his manure tank (then on to his fields?). As is in valley, I advised he try and find high ground with at least 2' of soil. He claims he has none. I advised he look for and discussed possible option of hookup to his home system if it is o.k. and since he claimed very limited use of the toilet and sink in his new milk house. Told Roger I would send him an application and he should proceed with the process in hopes an area can be approved.

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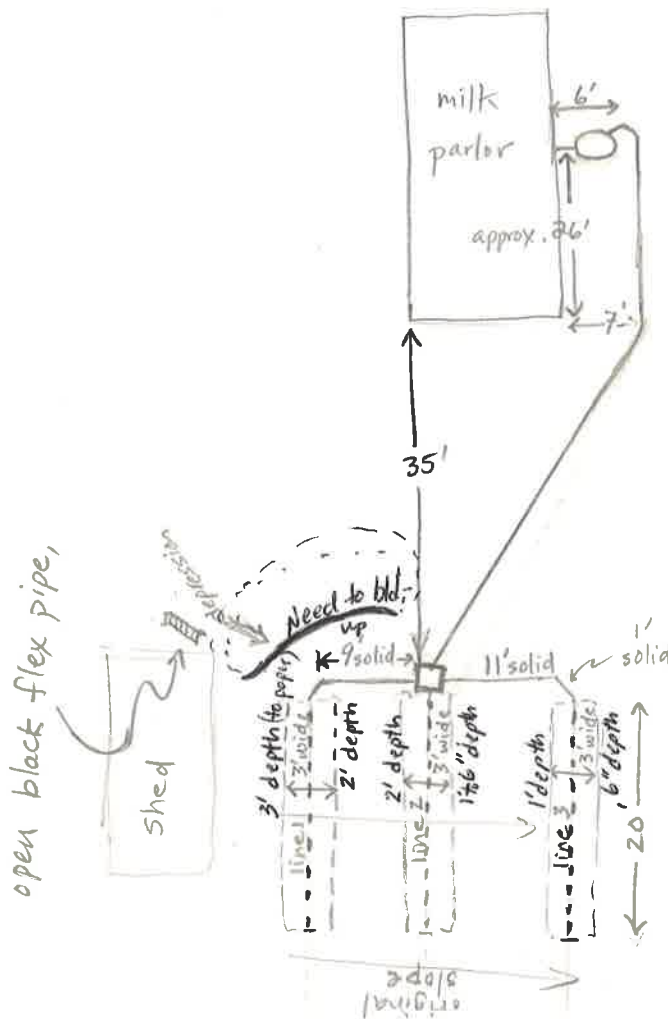
RMD



As Built - not drawn to scale

4/8/86

T. C. to Mrs. Short - OK to cover but noted changes to design of sys. She said ea. d.f. line was capped & Mr. Short said the s. tank di3connect to manure tank will be capped @ the m. tank end.



Observed

not installed as designed - today

- Still need to:
- 1) divert surface run-off by building up gd. surface level above drainfield
  - 2) <sup>add</sup> connect to black flexpipe to divert ~~water~~ <sup>toward</sup> water flow ~~from~~ d. field.
  - 3) block d. field from driving or parking
  - 4) Re-grout 2 outlet openings from D-box (to lines 1 & 3), leaking.

Note:

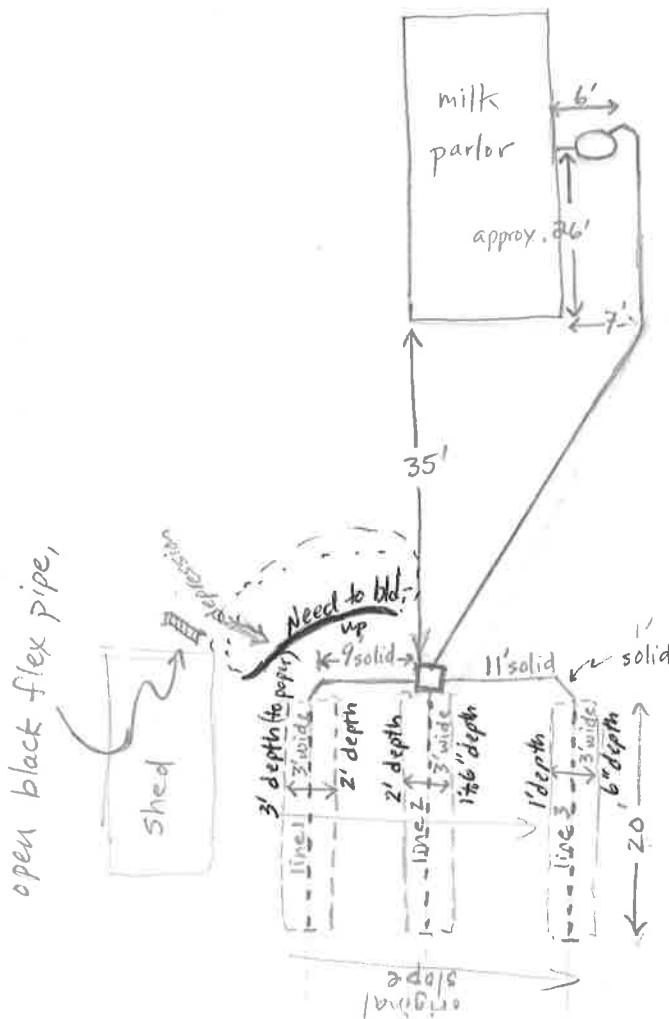
- a) drainfield not installed as designed
- b) d. field lines installed at av. depths deeper than designed max. depth.
- b) D-box placed on ~~mid-slope~~ placement in relation to d. field lines.
- c) No 2' minimum solid line around corners to each d.f. line.



As Built - not drawn to scale

4/8/86

T. C. to Mrs. Short - OK to cover but noted changes to design of sys. She said ca. d.f. line was capped & Mr. Short said the s. tank did connect to manure tank will be capped @ the m. tank end.



### Observed

- D-box water-levelled while JC was on-site.
- D-box sewage line inlet has downward directed ~~to~~ opening.   
 depth to trench bottom

Line 1 36"-48"  
Line 2 18"-36"  
Line 3 18"-24"

\* No water noted 4/8/86 in d.f. field today, but during SDP evaluation water noted in test holes

- Still need to:
- 1) divert surface run-off by building up gd. surface level above drainfield
  - 2) <sup>add</sup> connect to black flex pipe to divert ~~water~~ flow <sup>toward</sup> from d.f. field.
  - 3) block d.f. field from driving or parking
  - 4) Re-grout 2 outlet openings from D-box (to lines 1 & 3), leaking.

Note:

- a) drainfield not installed as designed
- b) d.f. field lines installed at av. depths deeper than designed max. depth.
- b) D-box placed on ~~mid-slope~~ placement in relation to d.f. field lines.
- c) No 2' minimum solid line around corners to each d.f. line.



100-29  
#6672  
10-29-90

WELL SITE INSPECTION CHECK LIST

Project: Short Water System

Received: 10-29-90

Location: 1582 Center Valley Rd. Chimacum WA.

Inspected: 10-29-90

T 29 N, R 1, Sec. 23

By: [Signature]

Owner: Norris W. Short

Name of any representative or owner present during your inspection:

1582 Center Valley Rd.

Roger Short

Chimacum WA.

1720 Center Valley Rd.

Chimacum WA.

Submitted by: \_\_\_\_\_  
Engineer or Land Surveyor

In answering the following, the term well site means all the area within one hundred feet of the well; the term well means the spot where the well is to be drilled or is already drilled. A Yes answer means agreement with the statement or question.

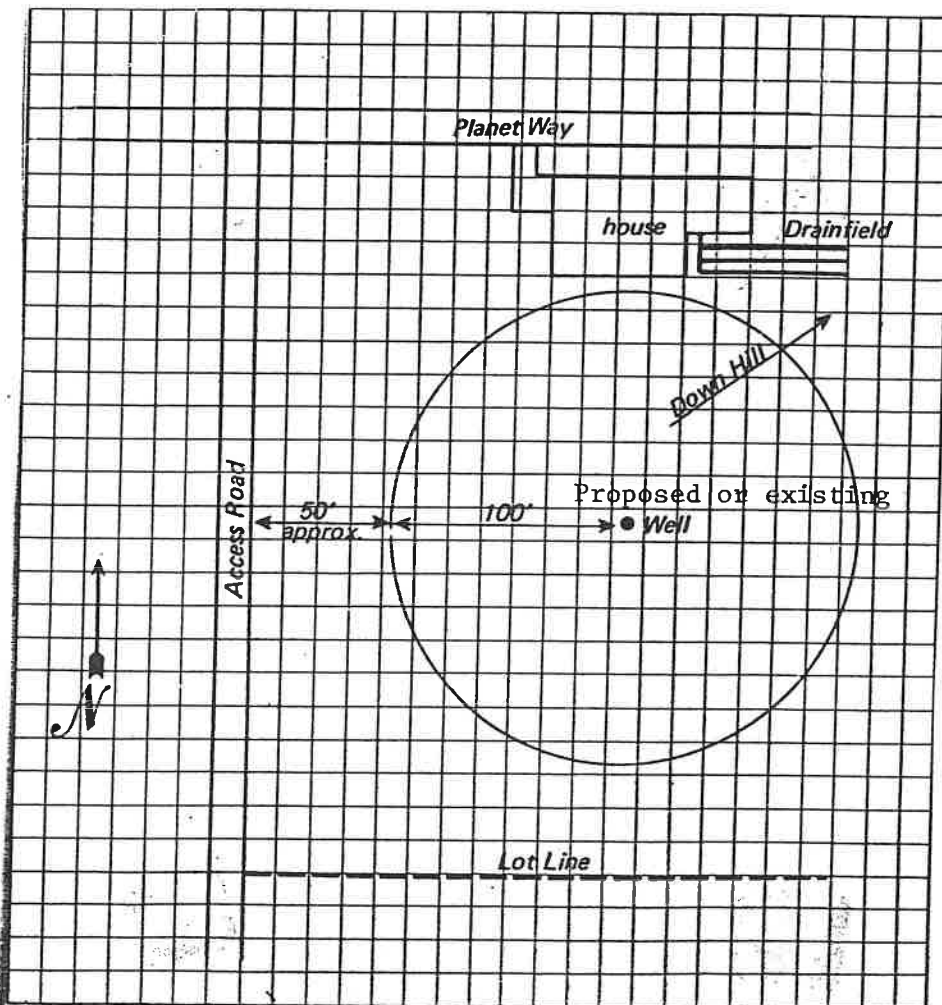
- |   | <u>Yes</u> | <u>No</u> |
|---|------------|-----------|
| 1. Map provided was accurate, based on your observations at the well site?  | _____      | <u>✓</u>  |
| 2. Slope of ground within well site and beyond is not such as to endanger well from possible run-off contamination?   | <u>✓</u>   | _____     |
| 3. No evidence of existing sources of contamination within 100 feet of the well?  | _____      | <u>✓</u>  |
| 4. If public or private roads pass within 100 feet of well, are they now ditched or otherwise drained in a manner which safely conducts surface run-off away from well? | <u>✓</u>   | _____     |
| 5. If well is an existing well:   |            |           |
| A. Does ground slope away from immediate vicinity of well?  | <u>✓</u>   | _____     |
| B. Is well adequately sealed and covered?   | _____      | <u>✓</u>  |
| C. Is visible construction in sound condition? (Concrete, piping, electrical, floor slab, building, etc.)   | <u>✓</u>   | _____     |
| D. Is there a substantial concrete slab poured around the well casing?  | <u>✓</u>   | _____     |
| E. Does casing extend at least 12-inches above slab?  | <u>✓</u>   | _____     |
| 6. In your opinion, is the overall well site satisfactory?  | <u>✓</u>   | _____     |



If any of the preceding questions were marked No, please explain:

- 1) Map not provided
- 3) Cow lot located 60-70 feet south of well. Potential for nitrate & fecal coliform - North portion of cow lot could be fenced off to maintain 100 ft radius
- 5) No sanitary seal on well at the time of inspection

If there were deficiencies noted, do you believe that they can be corrected to make the site acceptable? Explain briefly: yes. ~~move~~ move cow pen farther to south. Fit well with proper seal. Also may want to improve drainage ~~at~~ along farm road.



Not to Scale

EXAMPLE-Minimum Information for well site map.

Show well site, radius of protection control, and distances to property lines, roads, and potential sources of contamination. Show direction of ground slope.



Jan B.  
E.H.



**John F. Fischbach**  
1820 Jefferson Street  
PO Box 1220  
Port Townsend, WA 98368

25 Oct 04 JFD  
Randy:

October 18, 2004

Mr. Roger Short  
1720 Center Road  
Chimacum, WA 98376

Dear Mr. Short:

This is a follow up letter regarding your requests of the BOCC at their meeting on Monday, October 11, 2004.

I met with the Board to review the regulatory requirements that have been communicated to you through various departments under my authority. I have instructed my staff to be as flexible as the Code would provide while still maintaining the integrity of local and State mandates. We understand your frustration with these regulatory aspects, however, the County cannot unilaterally dismiss many of the permitting requirements. Equally, we are not in a position to approve the ten items that you requested be moved forward as some of them are controlled by the State.

You have worked very hard and continue to be very passionate about farming, and your farm is an important part of the history of Jefferson County. We understand that the transformation occurring within the dairy industry has caused our local economy to suffer. The Commissioners and I feel that it is crucial that the County support alternatives that give citizens new opportunities to earn a living. We remain willing to work with you on any proposal that you may generate for your farm in Center Valley.

Please do not hesitate to contact me should you have further concerns.

Sincerely,

John F. Fischbach  
County Administrator



Randy Marx

---

**From:** Dan Bruce  
**Sent:** Friday, October 15, 2004 9:35 AM  
**To:** Pat Rodgers; Glen Huntingford; Dan Titterness  
**Cc:** John Fischbach; Jean Baldwin  
**Subject:** FW: Chimucum Creamery / Group B Public Water System Determination  
**Importance:** High

Commissioners/Mr. Fishbach,

I am forwarding the response provided by DOH-ODW regarding application of the WAC to small water systems, changes to the WAC, and DOH's specific response concerning the water system for Mr. Short's proposed dairy operation. If I can assist further please let me know.

r/ Dan Bruce

**Dan Bruce, RS, REHS**  
**Jefferson County Environmental Health Director**  
**615 Sheridan Street,**  
**Port Townsend, WA 98368**  
**(360) 385-9444**

---

**From:** Davis, Jerrod [mailto:Jerrod.Davis@DOH.WA.GOV]  
**Sent:** Wednesday, October 13, 2004 8:05 PM  
**To:** Dan Bruce  
**Subject:** FW: Chimucum Creamery / Group B Public Water System Determination

-----Original Message-----

**From:** Clifford, Denise  
**Sent:** Wednesday, October 13, 2004 5:50 PM  
**To:** 'Dan Bruce '  
**Cc:** Adair, Janice; Grunenfelder, Gregg; Davis, Jerrod; Lahmann, Denise; Hoey, Rich; McLaughlin, Craig D  
**Subject:** Chimucum Creamery / Group B Public Water System Determination

Dan,

Thank you for your request to clarify The Department of Health's (DOH) interpretation of the Group B Public Water Systems regulation, Chapter 246-291, Washington Administrative Code (WAC), and how a determination is made to consider a business, such as the Chimacum Creamery, a Group B public water system.

As you know, ensuring a safe and reliable drinking water supply is of utmost importance to the DOH, Office of Drinking Water (ODW).

Based on conversations that my staff have had with Roger Short, Chimacum Creamery, and Will O'Donnell, business partner, it is our understanding that the Creamery's proposed facility has an existing private well that would be used to serve employees and produce a dairy product(s). It is also our understanding that the facility would employ individuals from outside the home. Based on this information, the proposed facility meets the definition of a Group B public water system in accordance with WAC 246-291-010.

10/18/2004



In addition, the Washington State Department of Agriculture (WSDA) classifies the water supply for the proposed facility as a Group B water system. Specifically WSDA directs food processor license applicants to seek water system approval before a license can be issued. As you know, under our Joint Plan of Operation Agreement with Jefferson County, the Department's ODW has the authority to approve Group B public water systems, not Jefferson County.

To ensure that a safe and reliable supply of water is available for both drinking and food processing, an evaluation of the water system (source of supply and conditions of operation) in addition to water quality monitoring is important. That is what is outlined in the "New Group B Water System Workbook" and is what we base our review and approval on. We will continue to work with the Chimacum Creamery as it pursues Group B water system approval.

You also asked about changing the regulation to allow an exemption or waiver for agricultural operations. Currently the waiver process outlined in WAC 246-291-060 does not seem to offer any effective or long-term alternative to the water system review and approval process. No special exceptions currently exist for agricultural food processing. We will relay this interest via a copy of this e-mail to the State Board of Health, the adopting authority of the Group B regulation for consideration in any future regulatory revisions.

If you need any further assistance, please contact Jerrod Davis, Assistant Regional Manager of the Southwest Drinking Water Operations at (360) 586-2510.

WSDA web link:

<http://www.agr.wa.gov/FoodAnimal/FoodProcessors/docs/FoodProcessorsLicenseWithAttachments.pdf>

Denise Addotta Clifford  
Director, Office of Drinking Water  
Washington State Department of Health  
360-236-3110  
FAX: 360-236-2253  
[denise.clifford@doh.wa.gov](mailto:denise.clifford@doh.wa.gov)  
<http://www.doh.wa.gov/ehp/dw>

*Public Health -- Always working for a safer and healthier Washington*





## JEFFERSON COUNTY

### DEPARTMENT OF COMMUNITY DEVELOPMENT

621 Sheridan Street • Port Townsend • Washington 98368  
360/379-4450 • 800/831-2678 • 360/379-4451 Fax

\$192.00  
MAR 26 2004

## Pre-Application Conference

The Jefferson County Unified Development Code (UDC) requires that before an application is made for all Type II and Type III project applications and Type I applications proposing impervious surfaces of ten thousand (10,000) square feet or more and/or non-single family structures of five thousand (5,000) square feet or more, a pre-application consultation must be held. The consultation includes preliminary review and administrative assistance. This service does not include extensive field inspection or correspondence. Pre-application consultation does not limit subsequent administrative review.

At the conference, Department of Community Development personnel shall provide the applicant with:

- (1) A list of the requirements for a completed application;
- (2) A general summary of the procedures to be used to process the application;
- (3) The references to relevant code provisions or development standards that may apply to the approval of the application; and
- (4) A list of any applicable hourly review fees that may be charged by one or more County agencies upon the filing of a project permit application with the County.

Discussions at the conference or the information provided by the staff shall not bind or prohibit the County's future application or enforcement of all applicable laws and regulations. No statements or assurances made by County representatives shall in any way relieve the applicant of his or her duty to submit an application consistent with all relevant requirements of County, state and federal codes, laws, regulations and land use plans.

NAME:	Chimacum Creamery Roger Short	
MAILING ADDRESS:	1592 Center Chimacum 1720 Center Rd 98376	
TELEPHONE: (HOME)	732 4601	(WORK) Cell 301 3521
REPRESENTATIVE:	Will O'Donnell	
MAILING ADDRESS:	781 Old Tarbo Quilcene Wa	
TELEPHONE: (HOME)	732 5054	(WORK)

### DIRECTIONS

1. Please answer all questions on this form completely.
2. Attach a sketch of the **Conceptual Design** for the proposed use or activity, showing the following information:
  - a. Vicinity sketch; ✓
  - b. North arrow and scale; ✓
  - c. Property boundaries and identification of land uses on adjacent properties; ✓
  - d. Means of ingress and egress; ✓
  - e. Property/lot drainage;
  - f. Possible locations of sewage disposal and water supply systems;
  - g. Location of utility easements; and
  - h. Proposed location of buildings, including setbacks to property boundaries.
3. Attach payment of the applicable fee, as set forth in the Jefferson County Fee Ordinance.

4/23/04 Roger Short  
Met w/ Need Public H2O  
Need Approval from  
the Dept of Ecology  
w/ disposal program  
if we then get  
what we want



## Property Description

General Location: <u>1.594 miles S. of Chimacum on Quilcene Rd</u>		
Legal Description (from Property Tax Statement): <u>S23, T29, R1W, S 1/2 SW 1/4 between Co. Rd and creek <del>Less 500'</del> Less N 500' Less R/W</u>		
9-Digit Parcel Number (from Property Tax Statement): <u>901 233 010</u>		
Total Acreage: <u>15.5 Ac</u>	Zone: <u>A9</u>	% Lot Coverage: <u>1%</u>
Applicant:	<input checked="" type="checkbox"/> Owner	<input type="checkbox"/> Lessee
	<input type="checkbox"/> Contract Purchaser	<input type="checkbox"/> Other _____

## Project Description

Build	<u>Concrete building close to present milking parlor to process the dairy's own milk into cheese and other dairy products.</u>
Property Owner (name and mailing address): <u>Roger + Sandy Short</u> <u>1720 Center Rd Chimacum WA 98325</u>	

## Standard Disclosure

Information provided to a prospective applicant during the pre-application consultation is based on County regulations in effect at the time of the pre-application consultation. Revised or new County regulations could affect a future development application. A pre-application consultation does not vest a future development application.

By signing the application form, the applicant/owner attests that the information provided herein is true and correct to the best of their knowledge. I also certify that this application is being made with the full knowledge and consent of all owners of the affected property. Any material falsehood or any omission of a material fact made by the applicant/owner with respect to this application packet may result in this permit being null and void.

I further agree to save, indemnify and hold harmless Jefferson County against all liabilities, judgments, court costs, reasonable attorney's fees and expenses which may in any way accrue against Jefferson County as a result of or in consequence of the granting of this permit.

I further agree to provide access and right of entry to Jefferson County and its employees, representatives or agents for the sole purpose of application review and any required later inspections. This right of entry shall expire when the County (through the Administrator or the Administrator's representatives) concludes the application has complied with all applicable laws and regulations. Access and right of entry to the applicant's property shall be requested and shall occur only during regular business hours.

<u>Roger Short</u> (SIGNATURE)	<u>3-26-04</u> (DATE)
I hereby designate <u>Will O'Donnell</u> <u>if Roger not available</u> to act as my agent in matters related to this pre-application conference.	
<u>Roger Short</u> (LANDOWNER SIGNATURE)	<u>3-26-04</u> (DATE)

MAR 26 2004



**From:** Randy Marx

**From:** Larry Fay  
**Sent:** Tuesday, May 18, 2004 12:05 PM  
**To:** Linda Atkins; Randy Marx; Al Scalf  
**Subject:** FW: Roger Short Cheese processing

-----Original Message-----

**From:** Al Latham, Jefferson CD [mailto:Latham@Jefferson.WSU.edu]  
**Sent:** Tuesday, May 18, 2004 10:51 AM  
**To:** Larry Fay  
**Subject:** Re: Roger Short Cheese processing

Yes, I'll do that. Al

----- Original Message -----

**From:** Larry Fay  
**To:** Al Latham, Jefferson CD  
**Sent:** Tuesday, May 18, 2004 9:53 AM  
**Subject:** RE: Roger Short Cheese processing

Can you get us something in writing from Dept. of Ag?????

Thanks,

Larry

-----Original Message-----

**From:** Al Latham, Jefferson CD [mailto:Latham@Jefferson.WSU.edu]  
**Sent:** Tuesday, May 18, 2004 9:57 AM  
**To:** Larry Fay  
**Subject:** Re: Roger Short Cheese processing

Dept of Ag regulates the dairy waste, or I mean nutrient. It got transferred from DOE last year. Basically a dairy farmer is in compliance with the regulations if they have an approved Dairy Nutrient Management Plan, are following it, and are not polluting surface or ground water. The waste from the cheese operation would be considered the same as "parlor waste" and the existing dairy nutrient management system on Roger's (for up to 620 dairy livestock is more than adequate to handle his proposed operation (50 milking cows + heifers/dry cows). I talked with Steve Nissley from NRCS in Mt. Vernon who works with dairy nutrient management plans in Skagit Co. and he said they have a couple of small scale cheese operation on dairy farms and the process waste is run through the dairy nutrient management system with no problem.

Al Latham

----- Original Message -----

**From:** Larry Fay  
**To:** Al Latham, Jefferson CD  
**Sent:** Monday, May 17, 2004 5:12 PM  
**Subject:** RE: Roger Short Cheese processing

Thanks Al,

I don't know who regulates the dairy waste but I thought that it was handled by DOE. Roger is planning on putting the process waste from the cheese operations into the dairy lagoon or whatever system he has in place. All we are looking for is an assurance from the regulating agency that it is ok.

Hope this clears up the issue.

Larry Fay

5/18/2004



-----Original Message-----

**From:** Al Latham, Jefferson CD [mailto:Latham@Jefferson.WSU.edu]

**Sent:** Monday, May 17, 2004 3:56 PM

**To:** Larry Fay; Al Scalf

**Cc:** Roger Short

**Subject:** Roger Short Cheese processing

Hi - I was talking with Roger Short and he indicated that there were concerns about what the proper disposal methods should be for any waste from his proposed cheese making facility, at his dairy. Perhaps the following will be helpful to you:

Roger has an approved Dairy Nutrient Management Plan, meeting USDA Natural Resource Conservation Service standards, that is designed to manage liquid and solid waste generated by the dairy in a manner that prevents degradation of water resources and protects public health and safety. This plan is designed to handle the waste for up to 620 dairy livestock. This "waste" includes manure and "parlor waste" resulting from the milking process. The waste from a cheese making operation would fall into the category of "parlor waste". His existing dairy waste management system is more than adequate to deal with any waste from the livestock and associated parlor waste of his planned cheese making operation, especially since the size of the dairy herd is much smaller than the design size.

If you have any questions or would like additional information on this matter feel free to contact me.

Al Latham  
Jefferson Co. Conservation District  
205 W. Patison St.  
Port Hadlock WA 98339  
360-385-4105

5/18/2004



**Tidemark Advantage**

File Edit Options Window Help

Close Edit Project Group Add Clone Parcel Activity Projects Fees Valuations Conditions Case Notes Type Documents GIS

**Pre-Application - PRE04-00009 Status F**

Name: **ROGER D. SHORT** Updated: **4/23/2004** KMR  
Address: CHIMACUM  
MLA#: PRE04-00009 Review Type:   
Description: Project:   
Milk Processing Facility.

Issues Discussed/People Present:  
water and waste treatment requires state approval. Building will upgrade existing ag exempt

Decisions/Conclusions:  
Applicant is required to submit engineering of existing structure... shall permit bid up to comp

General  
Utilities  
Lot Shading  
Summary

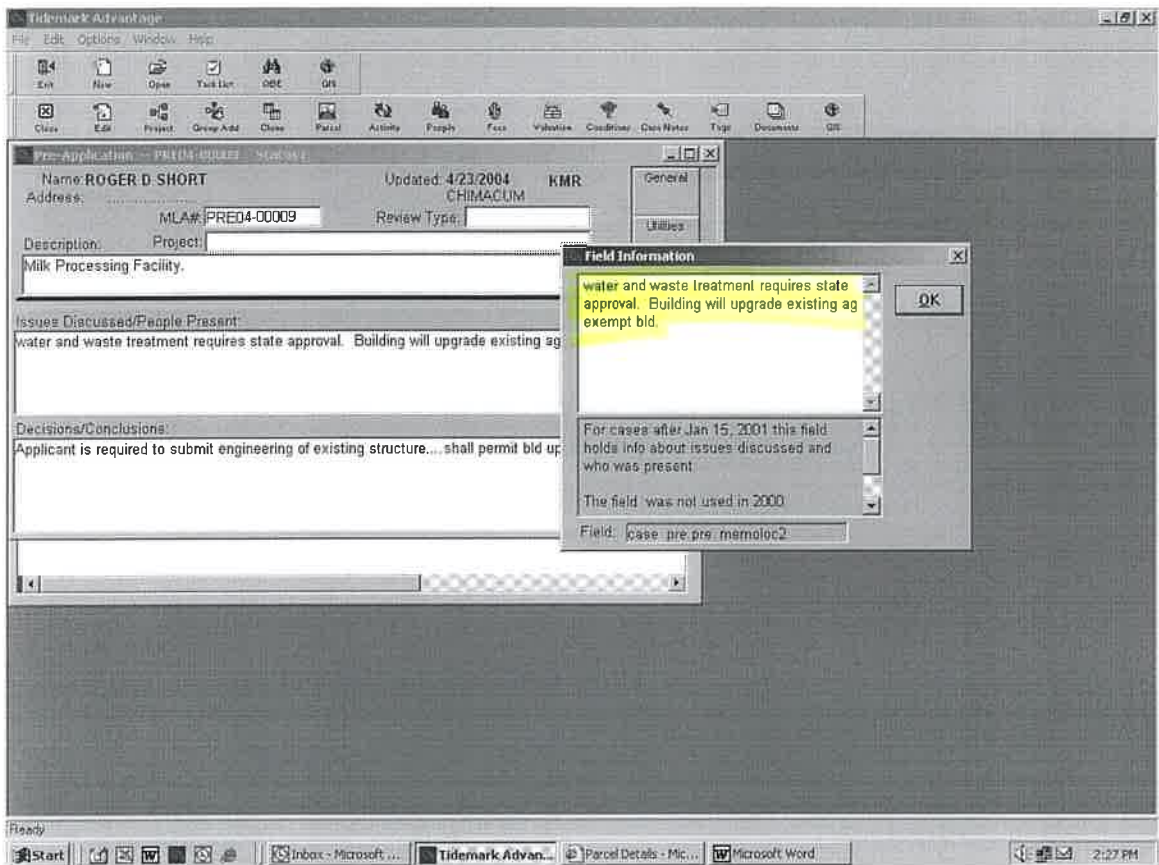
Ready

Start | Inbox - Microsoft Outlook | Tidemark Advantage | Parcel Details - Microsoft ... | Document1 - Microsoft W... | 2:17 PM

See attached for full text.

Info input By Kevin Russell, DCD!







The screenshot displays the 'Tidemark Advantage' software window. The main form is titled 'Pre-Application -- PRE04-00009' and contains the following fields:

- Name: ROGER D SHORT
- Updated: 4/23/2004
- KMR
- Address: CHIMACUM
- MLA#: PRE04-00009
- Review Type:
- Description: Project: Milk Processing Facility.

Below the form, there are sections for 'Issues Discussed/People Present:' and 'Decisions/Conclusions:'. The 'Decisions/Conclusions' section contains the text: 'Applicant is required to submit engineering of existing structure....shall permit bld up to'.

A 'Field Information' dialog box is open, showing details for the 'case: pre pre mem04c3' field. The dialog includes an 'OK' button and a text area with the following information:

- Applicant is required to submit engineering of existing structure....shall permit bld up to compliance with codes. Additions will comply with today's standards.
- For cases after Jan 15, 2001 this field holds info about any decisions made or conclusions reached.
- The field was not used in 2000.

The Windows taskbar at the bottom shows the 'Ready' state and several open applications: 'Start', 'Inbox - Microsoft Outlook', 'Tidemark Advantage', 'Parcel Details - Microsoft...', 'Document3 - Microsoft W...', and the system clock showing '2:27 PM'.



**Randy Marx**

---

**From:** Dan Bruce  
**Sent:** Monday, October 11, 2004 2:45 PM  
**To:** Randy Marx; Susan Porto  
**Subject:** FW: ROGER SHORT MEETING

**Dan Bruce, RS, REHS**  
**Jefferson County Environmental Health Director**  
**615 Sheridan Street,**  
**Port Townsend, WA 98368**  
**(360) 385-9444**

---

**From:** Dan Bruce  
**Sent:** Monday, October 11, 2004 12:41 PM  
**To:** John Fischbach  
**Cc:** Jean Baldwin  
**Subject:** ROGER SHORT MEETING

John,

Well, this morning was anything but dull!

After hearing the Board's comments to Mr. Short this morning, I am expecting to hear about the meeting with the principals to discuss his ultimatum. Not sure if you want to have representatives from Ag and DOH-Office of Drinking water at this meeting, which may be tough to coordinate on short notice. We may want to talk specifics at tomorrow morning's meeting.

I heard numerous comments which were supportive of Mr. Short's business and agricultural endeavors, and to be honest I know of no individual who believes differently. It does appear that regulatory oversight, especially public health-related oversight, is lumped into the same vein as other regulations. As some point, maybe that is so, but it came across to me that by defending public health we are viewed as unnecessarily obstructing business. I think the Board needs to reinforce that it is both pro-agriculture and pro-public health.

I would also strongly recommend that in any meetings we hold to discuss Mr. Short and his proposed dairy operation that we include Katherine Baril. Mrs. Baril, I believe, has Mr. Short's ear on many of these issues and once she also comprehends who is really driving this bus, she will be able to communicate that to others as well.

As we discussed briefly this morning before I departed - the Golden Glen Creamery in Skagit County (identified in the newspaper article passed out by Mr. Short, and commented on by Mrs. Short) is a single-family operation that, at least on record, does not maintain employees. As such, they are exempted from having their private well regulated as a public water system. If Mr. Short can make the claim that his operation will only employ family members, he too can receive this exemption from DOH. In fact, any exemption from drinking water standards would come as a direct result of a request, either through DOH-Office of Drinking Water, or the State

10/18/2004



Board of Health. The County has no authority to even consider such a request. I have communicated this on several occasions to Mr. Short and Mr. O'Donnell, as has Mr. Davis from DOH.

On a lighter note -- Jean and I have talked about it, and we both decided that we would like to sign up for one of those \$150K low interest loans!

r/ Dan

**Dan Bruce, RS, REHS**  
**Jefferson County Environmental Health Director**  
**615 Sheridan Street,**  
**Port Townsend, WA 98368**  
**(360) 385-9444**



**From:** Dan Bruce  
**Sent:** Monday, October 11, 2004 12:35 PM  
**To:** 'Lahmann, Denise'  
**Cc:** 'Campbell, Dennis'; Susan Porto; 'Davis, Jerrod'; Randy Marx  
**Subject:** RE: LHJ Drinking Water Training with SWRO  
**Importance:** High

I don't mind if the point paper is passed out to others and discussed at our meeting Thursday. ODW may want to address how we will address Ag's miscommunication with similar businesses. Ag's mishandling of their approvals has done a far larger disservice that one might imagine.

Not really sure what to make of his bluster, but you make want to give thought to your response to a request that may come in the next day or so for a meeting to identify how best to approach this issue. Buckle up for safety!

Dan Bruce, RS, REHS  
Jefferson County Environmental Health Director  
615 Sheridan Street,  
Port Townsend, WA 98368  
(360) 385-9444

From: Lahmann, Denise [mailto:Denise.Lahmann@DOH.WA.GOV]  
Sent: Monday, October 11, 2004 7:23 AM  
To: Dan Bruce  
Subject: RE: LHM Drinking Water Training with SWRO

[illegible]



-----Original Message-----

From: Dan Bruce [mailto:dbruce@co.jefferson.wa.us]  
Sent: Wednesday, October 06, 2004 2:10 PM  
To: Lahmann, Denise  
Subject: RE: LHJ Drinking Water Training with SWRO

Denise,

Thanks for the meeting info. I am faxing to you my lunch selection. I would also like to receive CEUs for the subject meeting. Let me know if you need anything else from me. Thanks.

r/ Dan

Dan Bruce, RS, REHS  
Jefferson County Environmental Health Director  
615 Sheridan Street,  
Port Townsend, WA 98368  
(360) 385-9444

-----Original Message-----

From: Lahmann, Denise [mailto:Denise.Lahmann@DOH.WA.GOV]  
Sent: Tuesday, October 05, 2004 11:49 AM  
To: Arlene Hyatt; Audrey Shaver; Brastad, Andy; Bruce Scherling; Dan Bruce; Dave Riggs; Ella Rae; Faith Taylor; Gary Duvall; Heather Saunders; Jeff Nelson; Joe Ellingson; Melina Knoop; Mike Means; Paul Greenwalt; Phil Brinker; Randy Phillips; Sue Kennedy; Susan Porto; Tony Barrett; Vickie Humphrey  
Cc: Phillips-Rawlings, Debbie; Davis, Jerrod  
Subject: LHJ Drinking Water Training with SWRO

Happy Autumn to all!

It's time for our Fall SWRO Office of Drinking Water and Local Health Jurisdiction Training -- on THURSDAY, OCTOBER 14, 2004, 9am to 4pm.  
Please  
plan to join us!

We've put together another interesting agenda and really look forward to visiting with you. We will have David Jennings give us a demonstration of the SWAP (source location) internet site and also the draft pages for Sentry internet access. We'll also be previewing a new ODW video (and have copies for you): "Keeping Your Drinking Water Safe".

Please:

1. Complete the attached lunch menu and return it to Debbie (debbie.phillips-rawlings@doh.wa.gov) by TUESDAY, OCTOBER 12.
2. Contact Debbie right away (360-753-4152), if you would like to bring someone who is not on the distribution list. (Which you are welcome to do.)
3. Review the agenda -- there is a pre-meeting assignment -- but just something to think about ahead of time, before the roundtable discussion.

A map to the meeting site (same as last meeting) in Plaza Point East (PPE) in Tumwater is attached.







**Randy Marx**

---

**From:** Dan Bruce  
**Sent:** Tuesday, October 12, 2004 4:41 PM  
**To:** John Fischbach; Jean Baldwin  
**Cc:** Al Scalf; Randy Marx  
**Subject:** ROGER SHORT ~ OSS PERMIT  
**Importance:** High

John/Jean,

I wanted to provide the some information after our meeting this morning in the Courthouse.

DCD actually turned up some historical documents dating back to the mid-80's regarding Mr. Short's OSS - apparently it has been misfiled in the wrong section. In order for Mr. Short to obtain a final septic permit (based entirely on what I surmise) he will need the following:

1. estimate of the sewage generated based on the number of users;
2. plan on how the sewage will be handled (toilets and sinks connected to X tank, tank into X drainfield, etc...);
3. evaluation of existing system (County fee is \$208, or could hire someone privately);
4. designate a reserve drainfield.

On a different front, the charge from DOH to undertake the process of approving a Group B water system is \$199. For planning purposes both Susan Porto and I will be attending a DOH meeting in Olympia on Thursday and will be out of the area all day. If I can provide something else please let me know.

r/ Dan

**Dan Bruce, RS, REHS**  
**Jefferson County Environmental Health Director**  
**615 Sheridan Street,**  
**Port Townsend, WA 98368**  
**(360) 385-9444**

10/18/2004



## Al Scalf

---

**From:** Leslie Locke  
**Sent:** Wednesday, October 13, 2004 10:10 AM  
**To:** Al Scalf  
**Subject:** FW: Thank you

Al, per your request.  
Leslie

> -----  
> From: L. Katherine Baril[SMTP:KBARIL@CABLESPEED.COM]  
> Sent: Wednesday, October 13, 2004 8:59:02 AM  
> To: Dan Titterness; Glen Huntingford; Pat Rodgers  
> Cc: John Fischbach  
> Subject: Thank you  
> Auto forwarded by a Rule  
>

I want to thank you and ensure you are up to date on developments:

I'm meeting with Roger and Will again Wednesday afternoon at WSU - Timar Kirac from the EDC and Briar Kolp from the Coop will join us to talk about the business framework itself--- Will will continue with the cheese company and processing permits

Wd have worked to transfer the Shorebank loan directly to Will as well as the consulting contract from the Tillamook cheese manager. As you may know Roger was at the doctors on Tuesday and was told he needs to back off and lower his stress for now. . .

I want to thank you for Monday's public hearing and the meeting afterward. I do think this is a BETA test for how well the bureaucracy responds and works together to facilitate the growing number of value added farms, as well as other entrepreneurs and small businesses. I hope that in the future we at WSU can be brought in earlier to help problem solve, facilitate resources and discussion, and continue our work in promoting entrepreneurship and economic development that also provides benefits for natural resources and the community

I remain at your service.

Forwarded message:

Washington State University

PUYALLUP, Wash. < More than 80 percent of Washington state consumers would like to purchase more products directly from local farmers, and farmers are retooling their operations to do more direct and local marketing, according to survey results released recently by Washington State University.

<sup>3</sup>In terms of a connection, it's a matchmaker's dream,<sup>2</sup> said survey lead Marcy Ostrom, a rural sociologist who directs WSU's Small Farms Program.  
<sup>3</sup>Consumers and farmers want to meet each other in the marketplace. Nearly half of the vegetable growers we surveyed said they plan to do more direct marketing to consumers in the next three years.<sup>2</sup>

The survey of 950 Washington consumers was designed to identify the motivations behind people's food-buying decisions, and to determine their interest in buying directly from farmers. A separate statewide survey of 1,200 farmers was designed to measure the importance of entrepreneurial marketing strategies to Washington's agriculture industry.

<sup>3</sup>In the consumer survey, we found that more than a quarter of the



**Dan Bruce**

**From:** Dan Bruce  
**Sent:** Wednesday, September 01, 2004 2:11 PM  
**To:** Al Scalf; John Fischbach  
**Cc:** Jean Baldwin  
**Subject:** RE: SHORT FARM CREAMERY

**Importance:** High

Al/John,

There are a couple of aspects with this project that I need to run down. Unfortunately, my contacts at both Ag and DOH are not available today. I have calls in to both and hope to have definitive responses before weeks' end. Here are the issues that will require more information/study:

a. Al, the approval from Ag you reference in your e-mail provides approval to dispose of the animal wastes in the lagoon, but the waste products from the dairy operation are not included in that approval. From my vantage point, there is no approval to dispose of the food processing waste in the lagoon. This issue will be addressed by Dept. of Ag.

b. I am not convinced that DOH will approve the water system as a Group B, or simply require the water system to meet and be regulated as a Group A, due in large part to the fact that the water is used in the production of a commercial food product. There may be more involved in this approval than many suspect. This issue will be addressed by DOH - Drinking Water.

c. EH has not received a permit application for this operation. This should not pose any real obstacle since the real questions will be addressed by Ag and DOH. Even so, without having an application providing me the specifics I would be speaking out of turn by commenting.

This brings up another subject - sale of the dairy products. While this is a slightly different subject, it should be understood clearly by all parties that such sales requires foodservice permits separate from the process we discuss here. EH is prepared to process this permit, provided the above questions have been addressed. If I can assist further, please let me know.

r/ Dan



**Dan Bruce, RS, REHS**  
**Jefferson County Environmental Health Director**  
**615 Sheridan Street,**  
**Port Townsend, WA 98368**  
**(360) 385-9444**

---

**From:** Al Scalf  
**Sent:** Wednesday, September 01, 2004 9:57 AM  
**To:** John Fischbach; Dan Bruce  
**Subject:** SHORT FARM CREAMERY

John and Dan

Roger Short was just in and very concerned about water approval for the proposed project at Shorts' farm in Chimacum. They (Roger and Will) have not applied for the building permit but will make that application in the next week. Due to funding/banking concerns, they need our review and approval in the next 30 days. They are worried if there are delays in permit review then the funding will fall through and the proposed project may fail.

Susan Porto has told them that they need a class B system approved by the State Dept of Health or get ahold of Jerrod Davis at DOH and get a letter from them that the current Dept of Ag water approval for the current dairy farming activities including water use in the parlor is adequate as well for the creamery. We are going to call Jerrod to discuss this possibility with him.

This is viable business opportunity that needs local support. What can we do to help facilitate this project?

Al





STATE OF WASHINGTON  
DEPARTMENT OF AGRICULTURE  
P.O. Box 42560 • Olympia, Washington 98504-2560 • (360) 902-1800

May 20, 2004

Mr. Al Latham  
Jefferson County Conservation District  
205 W. Patison Street  
Port Hadlock, WA 98339-9751

Re: Roger Short Dairy

Dear Mr. Latham:

This letter is a follow-up to our phone conversation this morning regarding the handling of wastewater from a cheese production operation. It is my feeling that there will be ample storage room in the lagoon to handle all wash down water and manure produced on this facility based on the number of cows the operator intends to milk (50 cows).

If you have additional questions please feel free to contact me at (360) 902-1928.

Sincerely yours,

A handwritten signature in black ink that reads "Kirk Robinson".

Kirk Robinson  
Lead Inspector Livestock Nutrient Management Program

8/25/04  
Left VM for Kirk R. Need to OK specifically that waste from the  
cheese processing is OK to be disposed of into "his" permitted lagoon system.  
Kirk on vacation/out till early September. PRR

9-3-04  
Spoke w/ Kirk R. It was not his intention to  
have cheese waste ~~to~~ enter permitted lagoon. PRR





**JEFFERSON COUNTY CONSERVATION DISTRICT**

205 W. Patison St., Port Hadlock, WA 98339 - Phone (360) 385-4105 FAX (360) 385-4823  
latham@jefferson.wsu.edu

5-25-04

Dave Christensen  
Jefferson Co. Dept of Environmental Health  
615 Sheridan St.  
Port Townsend, WA 98368

Re: Roger Short Dairy - cheese processing

Dear Dave,

Roger Short is in the process of obtaining permits so that he can process milk he produces into cheese. On May 18 I received an email from Larry Fay stating: "Roger is planning on putting the process waste from the cheese operations into the dairy lagoon or whatever system he has in place. All we are looking for is an assurance from the regulating agency that it is ok." Since the Conservation District is involved with Dairy Nutrient Management Planning he requested that I get a letter from Dept. of Agriculture, the agency regulating Dairy Nutrient Management, stating that it was ok in their opinion for cheese process waste to be put into the existing dairy nutrient management system.

I contacted Dept. of Agriculture and enclosed is a letter from Kirk Robinson, Dept. of Ag Inspector, stating that Roger's existing system is adequate for dealing with the wastewater from cheese production.

Sincerely,

Al Latham  
JCCD Manager

c: Roger Short



**Dan Bruce**

---

**Subject:** FW: Roger Short Cheese processing

-----Original Message-----

**From:** Larry Fay

**Sent:** Monday, May 17, 2004 5:12 PM

**To:** 'Al Latham, Jefferson CD'

**Subject:** RE: Roger Short Cheese processing

Thanks Al,

I don't know who regulates the dairy waste but I thought that it was handled by DOE. Roger is planning on putting the process waste from the cheese operations into the dairy lagoon or whatever system he has in place. All we are looking for is an assurance from the regulating agency that it is ok.

Hope this clears up the issue.

Larry Fay

-----Original Message-----

**From:** Al Latham, Jefferson CD [mailto:Latham@Jefferson.WSU.edu]

**Sent:** Monday, May 17, 2004 3:56 PM

**To:** Larry Fay; Al Scalf

**Cc:** Roger Short

**Subject:** Roger Short Cheese processing

Hi - I was talking with Roger Short and he indicated that there were concerns about what the proper disposal methods should be for any waste from his proposed cheese making facility, at his dairy. Perhaps the following will be helpful to you:

Roger has an approved Dairy Nutrient Management Plan, meeting USDA Natural Resource Conservation Service standards, that is designed to manage liquid and solid waste generated by the dairy in a manner that prevents degradation of water resources and protects public health and safety. This plan is designed to handle the waste for up to 620 dairy livestock. This "waste" includes manure and "parlor waste" resulting from the milking process. The waste from a cheese making operation would fall into the category of "parlor waste". His existing dairy waste management system is more than adequate to deal with any waste from the livestock and associated parlor waste of his planned cheese making operation, especially since the size of the dairy herd is much smaller than the design size.

If you have any questions or would like additional information on this matter feel free to contact me.

Al Latham  
Jefferson Co. Conservation District  
205 W. Patison St.  
Port Hadlock WA 98339  
360-385-4105

10/11/2004



## Kevin Russell

---

**From:** Al Scalf  
**Sent:** Tuesday, May 18, 2004 10:32 AM  
**To:** Kevin Russell  
**Subject:** FW: Roger Short Cheese processing

fyi  
Al

-----Original Message-----

**From:** Al Latham, Jefferson CD [mailto:Latham@Jefferson.WSU.edu]  
**Sent:** Monday, May 17, 2004 3:56 PM  
**To:** Larry Fay; Al Scalf  
**Cc:** Roger Short  
**Subject:** Roger Short Cheese processing

Hi - I was talking with Roger Short and he indicated that there were concerns about what the proper disposal methods should be for any waste from his proposed cheese making facility, at his dairy. Perhaps the following will be helpful to you:

Roger has an approved Dairy Nutrient Management Plan, meeting USDA Natural Resource Conservation Service standards, that is designed to manage liquid and solid waste generated by the dairy in a manner that prevents degradation of water resources and protects public health and safety. This plan is designed to handle the waste for up to 620 dairy livestock. This "waste" includes manure and "parlor waste" resulting from the milking process. The waste from a cheese making operation would fall into the category of "parlor waste". His existing dairy waste management system is more than adequate to deal with any waste from the livestock and associated parlor waste of his planned cheese making operation, especially since the size of the dairy herd is much smaller than the design size.

If you have any questions or would like additional information on this matter feel free to contact me.

Al Latham  
Jefferson Co. Conservation District  
205 W. Patison St.  
Port Hadlock WA 98339  
360-385-4105

5/18/2004





# PUBLIC HEALTH

Always Working for a Safer and  
HEALTHIER JEFFERSON

615 Sheridan Street, Port Townsend, Washington 98368

9 September 2004

Mr. Roger Short  
1720 Center Road  
Chimacum, WA 98376

Subj: Dairy ~ Cheese Processing

Dear Mr. Short,

It has been brought to my attention, as the new Environmental Health Director, that you are in the process of obtaining the permits necessary to operate a cheese processing facility here in Jefferson County. A business of this type has great promise and I wish you every success. While the Health Department will only be permitting the on-site sewage disposal aspect of your project, I wanted to offer my assistance in helping you navigate the other regulatory agencies which will oversee portions of your dairy operation.

There appear to be several approvals for your proposed commercial operation that may not have been addressed adequately. Primary among these are the approval from Washington State Department of Health - Office of Drinking Water (DOH-ODW) (Mr. Jerrod Davis) for the proposed water system, and Washington State Department of Agriculture (Mr. Kirk Robinson) regarding the agricultural wastes. From my conversations with Mr. Robinson, it was apparent that your plan to dispose of the dairy production (as opposed to the agriculture) wastes is incomplete. Additionally, Mr. Davis has not received any documents from your engineer concerning the proposed water system, and thus is unable to characterize or approve your water source/system. You may also desire to contact Mr. Will Satak, dairy inspector for Washington State Department of Agriculture, who will inspect and approve your dairy operation. The following list may not be all-inclusive, but it identifies the primary agency point of contact (POC) and issue that are part of the broader approval process for your cheese production facility:

<u>POC</u>	<u>Telephone Number</u>	<u>Issue</u>	
Kirk Robinson	(360) 902-1928	Ag Waste/Changes to Dairy Nutrient Management Plan	
<b>COMMUNITY HEALTH</b> (360) 385-9400	<b>ENVIRONMENTAL HEALTH</b> (360) 385-9444	<b>DEVELOPMENTAL DISABILITIES</b> (360) 385-9400	<b>SUBSTANCE ABUSE &amp; PREVENTION</b> (360) 385-9400



<u>POC</u>	<u>Telephone Number</u>	<u>Issue</u>
Jerrold Davis	(360)586-2510	Water system characterization & approval
Randy Marx	(360) 385-9402	On-site sewage disposal
Will Satak	(360) 426-1139	Dairy Inspector

Mr. Randy Marx from this office is available to discuss sewage disposal treatment options with you, and will review your on-site sewage proposal(s) when you or your agent provide the Health Department with a permit application. If I can be of additional assistance, please feel free to contact me at (360) 385-9444.

Sincerely,



Dan Bruce  
Environmental Health Director



## Randy Marx

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**From:** Dan Bruce  
**Sent:** Friday, September 24, 2004 10:00 AM  
**To:** Randy Marx; Susan Porto  
**Subject:** FW: Chimacum Creamery Water

I really feel like I'm talking to the wall. Please put the forwarded e-mail into the file. Thanks.

r/ Dan

**Dan Bruce, RS, REHS**  
**Jefferson County Environmental Health Director**  
**615 Sheridan Street,**  
**Port Townsend, WA 98368**  
**(360) 385-9444**

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**From:** Roseann Carroll  
**Sent:** Thursday, September 23, 2004 12:32 PM  
**To:** Dan Bruce  
**Subject:** FW: Chimacum Creamery Water

FYI

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**From:** Will O'Donnell [mailto:willodonnell@olympus.net]  
**Sent:** Thursday, September 23, 2004 11:36 AM  
**To:** Al Scalf; Roseann Carroll  
**Subject:** Chimacum Creamery Water

Al

I just spoke with Lucy Severs of the WSDA. She is the food safety supervisor for our region. She was surprised by the difficulty we are having with figuring out water regs. She is more than willing to talk with your department or Dan Bruce. She explained to me that most of the cheese plants and dairies in the state in rural areas operate with private wells. She saw no reason why Washington state would require us to have engineering done to certify as a public well. Her number is 360-273-6777. If we could get this clarified from you or Dan I would really appreciate it.

Will



**Randy Marx**

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**From:** Dan Bruce  
**Sent:** Monday, September 20, 2004 2:31 PM  
**To:** Al Scalf  
**Cc:** John Fischbach; Jean Baldwin; 'willodonnell@olympus.net'  
**Subject:** RE: Water permits

Al,

The question is based on a faulty premise -- one that has some foundation in a belief that the County can over-ride a decision made by an agency at the State level. Jefferson County will not determine if Mr. Short's proposed water system is adequate for the intended use, or if the potable water provided by this system is able to meet statutory quality requirements. While I will not presume to speak for Department of Health-Office of Drinking Water (DOH-ODW), I will go as far as saying that until a formal application is made to DOH for water system characterized, permitting, and the operational requirements are specified, there exist too many unknowns for any responsible party to make a guess as to how the water system will be regulated. Questions concerning the water system for the proposed dairy need to be addressed directly to Mr. Jerrod Davis, DOH-ODW. Mr. O'Donnell's exception in his e-mail to you is one that he should pose to DOH-ODW, not Jefferson County.

I believe I was succinct in my recent letter to Mr. Short, in which I identified the primary points of contact, agencies represented, and regulated concern(s). Contacting organizations or individuals other than those identified will simply continue to delay the information from getting to Mr. Short. While I think your personal efforts on Mr. Short's behalf are laudable, they appear to be insulating Mr. Short and his representatives from communicating directly with those agencies having regulatory oversight, in the mistaken belief that Jefferson County can somehow change or expedite the outcome. The sooner Mr. Short, and his agents, come to the conclusion that they need to deal directly with these regulatory agencies, the faster his business venture can come to fruition.

If there are any questions regarding the on-site septic permit that Mr. Short requires, he can contact Randy Marx in this office at 385-9444.

r/ Dan

**Dan Bruce, RS, REHS**  
**Jefferson County Environmental Health Director**  
**615 Sheridan Street,**  
**Port Townsend, WA 98368**  
**(360) 385-9444**

---

**From:** Al Scalf  
**Sent:** Monday, September 20, 2004 12:16 PM  
**To:** Dan Bruce  
**Cc:** John Fischbach; Jean Baldwin  
**Subject:** FW: Water permits

9/20/2004



Dan

Any ideas about this wavier from other Counties?

Al

-----Original Message-----

**From:** Will O'Donnell [mailto:willodonnell@olympus.net]

**Sent:** Monday, September 20, 2004 12:39 PM

**To:** Al Scalf

**Subject:** Water permits

Dear Mr. Scalf

As you are aware, Roger Short and I have been working towards the founding of the county's first cheesemaking business. As part of achieving such an endeavor, we have been working with your department to meet the various regulations and permits that would allow us to start such a business in this county. Recently we have been looking into the specific requirements necessary to gain public water. We have access to a very excellent private well, but were informed that we would need public water to obtain our commercial building permit. I would like you to take exception to this and offer the following reasons and alternative proposal.

First of all, while we are starting a new business, we are still a operating a farm based business, that is intregally designed to work as a part of the existing farm. Many counties offer varying regulations on farm based businesses. Many on-farm cheesemakers that I have spoken with in this state and others are not required to have a public water system. Most are able to use private wells. In their case, and in ours, these private wells are tested monthly by the department of agriculture. The WSDA has already informed us that we must submit to such monthly tests and we are happy to do so. We very much want to provide the highest quality water for our plant, as food product safety is one of the absolute necessities of our business, and will be one of our market advantages. We believe the WSDA monitoring will be more than sufficient in providing for continued proof of water quality, and propose that the public water requirement be waved for our farm based business. This waver has been essential for the start up and continued operation of most on-farm milk processing in this state and others. I ask you to grant us this exemption and will be glad to consider any reasonable additional water quality requirements you may deem necessary.

Sincerely,

Will O'Donnell  
Chimacum Creamery

9/20/2004



## Randy Marx

---

**From:** John Fischbach  
**Sent:** Wednesday, September 15, 2004 7:39 AM  
**To:** Dan Bruce; Jean Baldwin; Al Scalf  
**Cc:** Randy Marx; Linda Atkins; Susan Porto  
**Subject:** RE: ROGER SHORT ~ DAIRY OPERATION

Thank you, Dan. It is appreciated.

John

-----Original Message-----

**From:** Dan Bruce  
**Sent:** Tuesday, September 14, 2004 5:08 PM  
**To:** Jean Baldwin; John Fischbach; Al Scalf  
**Cc:** Randy Marx; Linda Atkins; Susan Porto  
**Subject:** ROGER SHORT ~ DAIRY OPERATION  
**Importance:** High

All,

Mr. Short just ended a telephone conversation we were having by hanging-up on me. Seems he now blames me for all his woes concerning his proposed cheese-making facility. His words were "this is just another example of the County running off business." Frankly, I have gone almost to the extreme to put Mr. Short in touch with the decision makers and assist him in understanding how to get around in that arena. Almost all of the responsible individuals reside at the State, not the County level. Mr. Short apparently now blames me for questions raised by Washington State Department of Agriculture (WSDA) concerning his plans to dispose of his processing wastes, stating that if I had not bothered to read WSDA's letter, everything would be just fine.

My personal and professional desire, clearly stated to Mr. Short in writing, is to see his business endeavors succeed. What I am beginning to see, however, is a man who wants his approvals expedited without discussion or delay. I simply have no axe to grind if he acquires the approvals and permits needed from the various regulatory agencies. The only permit Mr. Short needs that requires EH review is the on-site septic piece. If/when Mr. Short actually decides to submit a permit application, EH is prepared to review his documents with the same speed and care we provide to every applicant. Barring actual submission of the aforementioned on-site permit application, I believe further discussions with Mr. Short on this subject will be futile.

r/ Dan

**Dan Bruce, RS, REHS**  
**Jefferson County Environmental Health Director**  
**615 Sheridan Street,**  
**Port Townsend, WA 98368**  
**(360) 385-9444**



## Randy Marx

---

**From:** Dan Bruce  
**Sent:** Tuesday, September 14, 2004 2:05 PM  
**To:** Randy Marx; Susan Porto  
**Cc:** Linda Atkins; Jean Baldwin  
**Subject:** FW: Wastewater treatment for a dairy processing plant.

Just for historical information, I contacted Tillamook Cheese in Oregon regarding their disposal methods of their cheese processing wastes -- some interesting info!

If simple placement of the wastes into a lagoon was feasible, I think these folks would have done it by now. Land application also presents some logistical hurdles - filtering, possible pH adjustment, and additional disposal of the solids. In short, (no pun intended) Mr. Short would have his design team up late to find out how to accomplish this locally, in addition to the site-specific (where, how much, how often) disposal issues in order to land-apply his dairy wastes.

Since sewer, as we know it, is not available to Mr. Short, neither does this option exist. I have not heard anything else from WSDA on this topic.

r/ Dan

**Dan Bruce, RS, REHS**  
**Jefferson County Environmental Health Director**  
**615 Sheridan Street,**  
**Port Townsend, WA 98368**  
**(360) 385-9444**

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**From:** Shawn Reiersgaard [mailto:SReiersgaard@tillamookcheese.com]  
**Sent:** Tuesday, September 14, 2004 9:30 AM  
**To:** Dan Bruce  
**Subject:** RE: Wastewater treatment for a dairy processing plant.

Dan:

Land application is generally the most minimal of treatment processes. You may filter out the large chunks that would plug the distribution heads, and you may adjust the pH. Land application works well in Boardman because the dairy waste is commingled with potato waste. This offsets the high organic loading, the relative high salt content and the widely fluctuating pH. If you had a stand alone dairy plant that was land applying you would want to do some pretreatment.

Odor? A rose by any other name would smell as sweet.

Shawn

-----Original Message-----

**From:** Dan Bruce [mailto:dbruce@co.jefferson.wa.us]  
**Sent:** Tuesday, September 14, 2004 9:48 AM  
**To:** Shawn Reiersgaard  
**Subject:** RE: Wastewater treatment for a dairy processing plant.

Shawn,

9/14/2004



I can't thank you enough for getting back to me. Many thanks!

Could you speak to land application for me a little more - in order to facilitate dispersal are the milk solids removed? Has there been any thought to placement in a landfill, much like solid wastes? In your e-mail, I read discharge as some type of pressure application, something like a liquid fertilizer. Is there much odor with this method?

I appreciate you taking the time to educate me. I hope to be able to assist our local businessmen in their dairy endeavor. I look forward to communicating with you. Have a nice day!

r/ Dan

**Dan Bruce, RS, REHS**  
**Jefferson County Environmental Health Director**  
**615 Sheridan Street,**  
**Port Townsend, WA 98368**  
**(360) 385-9444**

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**From:** Shawn Reiersgaard [mailto:SReiersgaard@tillamookcheese.com]  
**Sent:** Monday, September 13, 2004 2:18 PM  
**To:** Dan Bruce  
**Subject:** Wastewater treatment for a dairy processing plant.

Dan:

There are just about as many ways to treat dairy process wastewater as there are dairies. The Tillamook County Creamery Association has operated three plants. The Tillamook plant has an onsite activated sludge plant and discharges treated effluent under an NPDES permit. The Boardman plant discharges process waste onto farm land directly without treatment in accordance with the Port of Morrow land application permit. The Bandon plant discharged waste into the City of Bandon wastewater treatment plant.

It all depends upon where the dairy facility is located. If you had your choice, you would want to direct discharge to farm land.

Shawn



## Randy Marx

---

**From:** Dan Bruce  
**Sent:** Friday, September 03, 2004 12:49 PM  
**To:** Al Scaf; John Fischbach  
**Cc:** Jean Baldwin; Randy Marx; Susan Porto  
**Subject:** FW: Roger Short

**Importance:** High



Latham5-04.d

oc

Al/John,

This is the clarification I just received from Ag regarding disposal of processing wastes. The subject letter also specifies a limit (50) to the number livestock for which the lagoon is sized. Mr. Short will need to identify his proposed by-product disposal methods, or ensure that his Dairy Nutrient Management Plan accurately describes his methods.

r/ Dan

Dan Bruce, RS, REHS  
Jefferson County Environmental Health Director  
615 Sheridan Street,  
Port Townsend, WA 98368  
(360) 385-9444

-----Original Message-----

**From:** Robinson, Kirk (AGR) [mailto:KRobinson@agr.wa.gov]  
**Sent:** Friday, September 03, 2004 8:42 AM  
**To:** Dan Bruce  
**Cc:** Mena, Nora (AGR)  
**Subject:** Roger Short

Dear Mr. Bruce,

This e-mail is to clarify the letter sent to Mr. Al Latham regarding the Roger Short Dairy on May 20, 2004. It is our view that the dairy lagoon could handle the additional wash down and clean-up water from the cheese and milk processing operation. Based on the cow numbers supplied to us by Mr. Latham. Our only concern is that any by-products from the cheese and milk processing operation (i.e. whey) should not be placed into the lagoon. If Mr. Short would want to use the lagoon to store by-products in the lagoon he would need to update his Dairy Nutrient Management Plan to reflect the addition of by-products into the lagoon. I have attached our letter dated May 5, 2004 to Mr. Latham and would be happy to answer any questions you may have.

Thanks, Kirk

<<Latham5-04.doc>>

Kirk Robinson



Lead Dairy Nutrient Inspector  
Washington State Department of Agriculture  
Livestock Nutrient Management Program  
1111 Washington Street  
Olympia, WA 98504-2560

Phone (360) 902-1928  
E-mail [krobinson@agr.wa.gov](mailto:krobinson@agr.wa.gov)  
Fax (360) 902-2087



**Randy Marx**

---

**From:** Dan Bruce  
**Sent:** Tuesday, September 07, 2004 8:26 AM  
**To:** John Fischbach; Al Scalf  
**Cc:** Jean Baldwin  
**Subject:** FW: need written documentation  
**Importance:** High

John/Al,

The e-mail forwarded from Mr. Davis, DOH-ODW indicates that he and his staff have not received the appropriate engineering documents to make key determinations to characterize and approve the water system for Mr. Short's dairy operation. Since none of my staff have seen these documents either, I will assume that they have not been developed or submitted as required. I do not believe that DOH will entertain the approval of dairy operations until all questions surrounding the water system are addressed.

Please let me know if I can be of further assistance.

r/ Dan

**Dan Bruce, RS, REHS**  
**Jefferson County Environmental Health Director**  
**615 Sheridan Street,**  
**Port Townsend, WA 98368**  
**(360) 385-9444**

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**From:** Davis, Jerrod [mailto:Jerrod.Davis@DOH.WA.GOV]  
**Sent:** Friday, September 03, 2004 1:41 PM  
**To:** Susan Porto  
**Subject:** RE: need written documentation

Susan,

I did speak briefly with Mr. Short within the last few months. From the information I have gathered from him and you, it appears that this business will be categorized as a public water system. It will either be a Group B or Group A TNC (probably more likely a Group B) system, depending on the population of workers served. Mr. Short must hire an engineer to prepare and submit a Group B Approval workbook to me for review and approval. I hope that there are not any showstoppers regarding the existing source (e.g., inadequate source or contamination sources in the SCA).

Mr. Short or his engineer can call me at any time to discuss any specifics. Let me know if you have any questions.

Jerrod

9/7/2004



**Randy Marx**

---

**From:** Dan Bruce  
**Sent:** Wednesday, September 01, 2004 3:11 PM  
**To:** Al Scalf; John Fischbach  
**Cc:** Jean Baldwin  
**Subject:** RE: SHORT FARM CREAMERY

**Importance:** High

Al/John,

There are a couple of aspects with this project that I need to run down. Unfortunately, my contacts at both Ag and DOH are not available today. I have calls in to both and hope to have definitive responses before weeks' end. Here are the issues that will require more information/study:

a. Al, the approval from Ag you reference in your e-mail provides approval to dispose of the animal wastes in the lagoon, but the waste products from the dairy operation are not included in that approval. From my vantage point, there is no approval to dispose of the food processing waste in the lagoon. This issue will be addressed by Dept. of Ag.

b. I am not convinced that DOH will approve the water system as a Group B, or simply require the water system to meet and be regulated as a Group A, due in large part to the fact that the water is used in the production of a commercial food product. There may be more involved in this approval than many suspect. This issue will be addressed by DOH - Drinking Water.

c. EH has not received a permit application for this operation. This should not pose any real obstacle since the real questions will be addressed by Ag and DOH. Even so, without having an application providing me the specifics I would be speaking out of turn by commenting.

This brings up another subject - sale of the dairy products. While this is a slightly different subject, it should be understood clearly by all parties that such sales requires foodservice permits separate from the process we discuss here. EH is prepared to process this permit, provided the above questions have been addressed. If I can assist further, please let me know.

r/ Dan

**Dan Bruce, RS, REHS**  
**Jefferson County Environmental Health Director**  
**615 Sheridan Street,**  
**Port Townsend, WA 98368**  
**(360) 385-9444**



**From:** Al Scalf  
**Sent:** Wednesday, September 01, 2004 9:57 AM  
**To:** John Fischbach; Dan Bruce  
**Subject:** SHORT FARM CREAMERY

John and Dan

Roger Short was just in and very concerned about water approval for the proposed project at Shorts' farm in Chimacum. They (Roger and Will) have not applied for the building permit but will make that application in the next week. Due to funding/banking concerns, they need our review and approval in the next 30 days. They are worried if there are delays in permit review then the funding will fall through and the proposed project may fail.

Susan Porto has told them that they need a class B system approved by the State Dept of Health or get ahold of Jerrod Davis at DOH and get a letter from them that the current Dept of Ag water approval for the current dairy farming activities including water use in the parlor is adequate as well for the creamery. We are going to call Jerrod to discuss this possibility with him.

This is viable business opportunity that needs local support. What can we do to help facilitate this project?

Al



## Dan Bruce

---

**From:** Dan Bruce  
**Sent:** Friday, September 03, 2004 11:55 AM  
**To:** 'Robinson, Kirk (AGR)'  
**Subject:** RE: Roger Short

Kirk,

Many thanks for getting this out to me - I will forward to those who need to know. Have a great weekend. Thanks.

r/ Dan

Dan Bruce, RS, REHS  
Jefferson County Environmental Health Director  
615 Sheridan Street,  
Port Townsend, WA 98368  
(360) 385-9444

-----Original Message-----

**From:** Robinson, Kirk (AGR) [mailto:KRobinson@agr.wa.gov]  
**Sent:** Friday, September 03, 2004 8:42 AM  
**To:** Dan Bruce  
**Cc:** Mena, Nora (AGR)  
**Subject:** Roger Short

Dear Mr. Bruce,

This e-mail is to clarify the letter sent to Mr. Al Latham regarding the Roger Short Dairy on May 20, 2004. It is our view that the dairy lagoon could handle the additional wash down and clean-up water from the cheese and milk processing operation. Based on the cow numbers supplied to us by Mr. Latham. Our only concern is that any by-products from the cheese and milk processing operation (i.e. whey) should not be placed into the lagoon. If Mr. Short would want to use the lagoon to store by-products in the lagoon he would need to update his Dairy Nutrient Management Plan to reflect the addition of by-products into the lagoon. I have attached our letter dated May 5, 2004 to Mr. Latham and would be happy to answer any questions you may have.

Thanks, Kirk

<<Latham5-04.doc>>





Kirk Robinson  
Lead Dairy Nutrient Inspector  
Washington State Department of Agriculture  
Livestock Nutrient Management Program  
1111 Washington Street  
Olympia, WA 98504-2560

Phone (360) 902-1928  
E-mail [krobinson@agr.wa.gov](mailto:krobinson@agr.wa.gov)  
Fax (360) 902-2087



· **Randy Marx**

---

**From:** Dan Bruce  
**Sent:** Thursday, August 19, 2004 7:53 AM  
**To:** Randy Marx  
**Subject:** RE: Roger Short Cheese processing

Randy,

Would you please keep an eye on this and keep me abreast of the progress or any show-stoppers that crop up. Thanks.

r/ Dan

**Dan Bruce, RS, REHS**  
**Jefferson County Environmental Health Director**  
**615 Sheridan Street,**  
**Port Townsend, WA 98368**  
**(360) 385-9444**

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**From:** Randy Marx  
**Sent:** Tuesday, August 10, 2004 9:22 AM  
**To:** Dan Bruce  
**Subject:** Roger Short Cheese processing

- \* No pending applications
- \* Needs to get a building permit to convert existing Ag exempt building to a cheese processing building. This permit will trigger our review and approval.
- \* Our approval will require a letter from the STATE that existing permitted facilities will handle additional cheese waste.
- \* Approved public water supply

All the above has been communicated in the pre app meeting, as well as follow-up emails.

This project has been well covered in the paper.

Randy

8/24/2004



**Randy Marx**

---

**From:** Dan Bruce  
**Sent:** Friday, September 10, 2004 10:34 AM  
**To:** John Fischbach  
**Cc:** Al Scaff; Jean Baldwin; Randy Marx  
**Subject:** ROGER SHORT DAIRY  
**Importance:** High

John,

I have attached a copy of the letter that was mailed yesterday to Mr. Short. It was my intention to also provide him a copy of that letter, and discuss further his proposals in our meeting this morning at DCD, but Mr. Short failed to show. I have gone the extra distance of making contact with all the primary State regulatory agencies having control over Mr. Short's proposed operation, and provided him those topics, individual contacts and their phone numbers.

The entirety of the Health Department's interaction with this proposal is relegated the septic permit. When EH receives an actual permit application From Mr. Short for the on-site septic piece, we will gladly process his application so he can proceed with this project. I don't think there is much more I can provide Mr. Short or this particular project from here.

Would you like me to forward any of this information to Commissioners?

r/ Dan

**Dan Bruce, RS, REHS**  
**Jefferson County Environmental Health Director**  
**615 Sheridan Street,**  
**Port Townsend, WA 98368**  
**(360) 385-9444**

9/10/2004



## Randy Marx

---

**From:** Dan Bruce  
**Sent:** Monday, October 04, 2004 12:47 PM  
**To:** Jean Baldwin; Tom Locke  
**Cc:** Randy Marx; Susan Porto  
**Subject:** ROGER SHORT DAIRY ~ PT LEADER  
**Importance:** High

Jean/Tom,

Jan Huck, a reported from the Leader, called me this morning and asked me some questions regarding Roger Short. It seems that Mr. Short called the Leader and informed her that he is "pulling the plug" on his proposed dairy/cheese operation. Ms. Huck stated that Mr. Short felt that "there are just too many regulations that prevents (him) from doing business in Jefferson County." Ms. Huck also told me that Mr. Short mentioned to her that I was the principal driver in his decision. She asked me some questions, which I answered. She was also in possession of the letter I sent to Mr. Short which identified the responsible regulatory Agencies.

When Mr. Short spoke to me last week, he threatened to contact the Commissioners and the Leader and tell them how "unreasonable" we were. I hate making news in this fashion, but I guess I am the most convenient person for him to lash out against.

r/ Dan

**Dan Bruce, RS, REHS**  
**Jefferson County Environmental Health Director**  
**615 Sheridan Street,**  
**Port Townsend, WA 98368**  
**(360) 385-9444**





Best Food  
Ballot  
Page  
A 14

PORT TOWNSEND & JEFFERSON COUNTY

# LEADER

60-385-2900

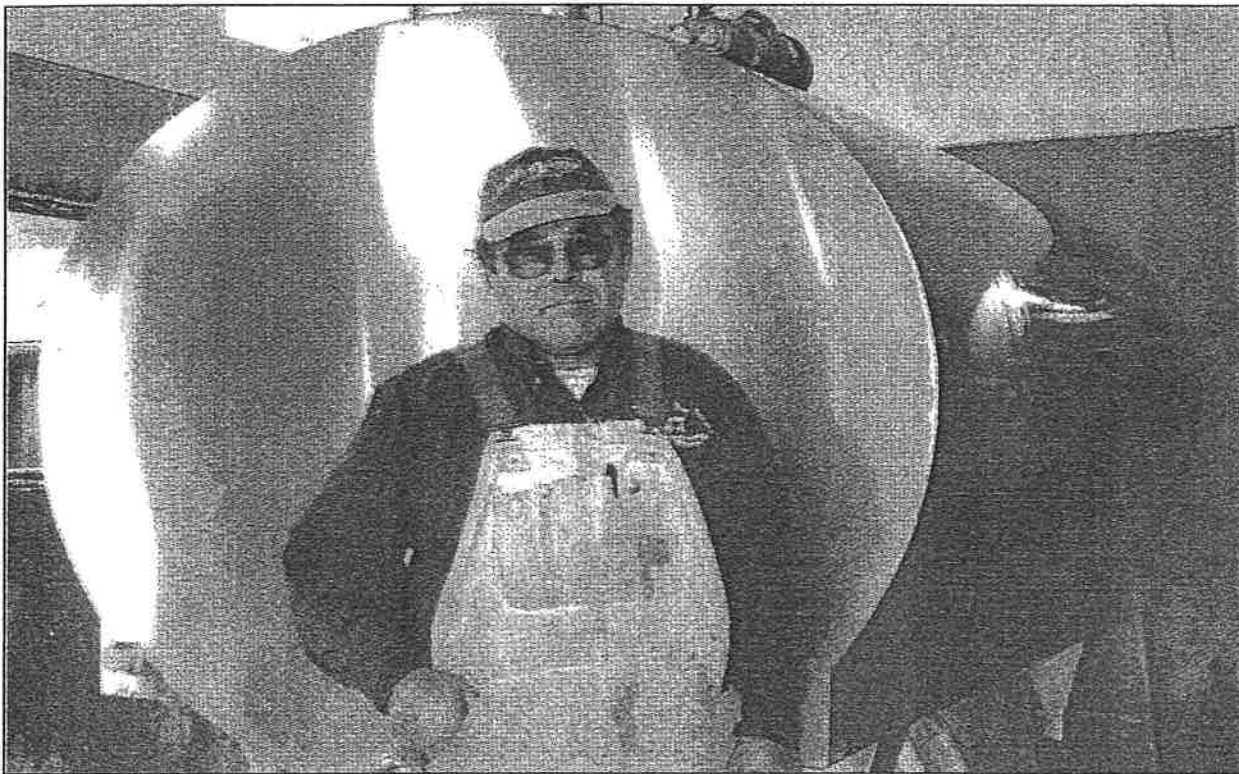
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75¢

Wednesday  
October 6, 2004

Vol. 115 No. 40

File copy  
JHB



Chimacum dairy farmer Roger Short invested \$20,000 and a year and a half of his time in Chimacum Creamery, a proposed small artisan cheese operation.

Photo by Janet Huck

## Short giving up?

### Family farmer cites 'regulations' as he prepares to abandon role in creamery

By Janet Huck  
Leader Staff Writer

Chimacum dairy farmer Roger Short promised his wife he would have the Chimacum Creamery up and running by last February. In the spring, he and his business partner revised their start date for cheese production to September. Now it may be never.

"I give up," Short said Monday, sitting in his office at

the dairy. "There's too much red tape and bureaucracy."

The creamery cows go to auction soon. Then he can stop dumping 40 or 50 gallons of milk every day, milk that was supposed to go for cheese making.

But his business partner, Will O'Donnell, hopes the partnership is not yet over.

"In my mind Chimacum Creamery is going to be making cheese in 2005," said O'Donnell. "I'd still like to see

See **DAIRY**, Page A 15



# Dairy: Plans are changing

Continued from Page A 1

Roger produce the milk, but I have options."

The proposed Chimacum Creamery is the first artisan cheese company on the Olympic Peninsula and one of only a handful in the state that represents a partnership between the traditional agricultural community and the burgeoning organic movement. While some local dairy farmers are giving up and selling their cows, Short tried to save the family farm by going organic and starting a small cheese-making business. Chimacum Creamery has been trumpeted as the county's first value-added farm production, a model for other farmers.

A dairy farmer for 40 years, Short said his blood pressure has skyrocketed in the last three weeks since receiving a letter from Dan Bruce, Jefferson County's new environmental health director, telling him several state approvals for his commercial creamery had not been addressed properly. Short said he had a written agreement with the state Department of Agriculture for creamery waste disposal and a verbal understanding with the state Department of Health's division of drinking water before the local agent got involved.

"Now the Department of Agriculture says I may need a new dairy nutrient management plan and the Department of Health says I need a Group B public water system that will cost \$10,000 just for an engineering plan," said Short. "None of the other farms of my size with small creameries needed these things."

Bruce said he was just doing his job to make sure food businesses and regulatory agencies were on the same page.

"I found Mr. Short was either not hearing what was said or misinterpreting the situation," Bruce said. "I think the business he is proposing is a great idea for Jefferson County, but there is a right way and a wrong way to do it. One of the most recent disease outbreaks in Washington state

*"If Roger can't do it, it doesn't bode well for other small-scale agricultural production."*

Al Latham  
manager  
Jefferson County  
Conservation District

came from a cheese product. Every agency at every level wants to help him meet public health standards."

"Dan Bruce stepped in to make sure everything went smoothly," said Jefferson County Administrator John Fischbach. "Our directions to the staff were to work with Mr. Short to make sure he gets through the process as easily as possible because we want to get the business open and running successfully."

County Commissioner Glen Huntingford has asked Short for a list of regulatory requirements so together they can work through them, but Short said he didn't do it.

Short took responsibility upon himself for some of the roadblocks. "I don't always stay on top of things, but the regulators have no idea how much things costs," he said.

Jefferson County Conservation District Manager Al Latham, who oversees agriculture, said Short is not overreacting.

"It's frustrating to do things in good faith and find out you have to do more," said Latham. "In any start-up business, everything isn't laid out at the beginning. As you go forward, more and more people come onboard with more ideas. Some bureaucracies let some things slide and others dot all the I's and cross all the T's."

"Roger is the first Jefferson County farmer to convert to



# Dairy: Plans are changing

value-added production," added Latham. "If Roger can't do it, it doesn't bode well for other small-scale agricultural production."

Last spring, Latham brokered a deal with the state Department of Agriculture to allow Short to dispose of cheese-making waste in his cow manure lagoon that has a 2.5-million gallon capacity.

"The waste from the cheese is the same kind of waste as from the normal milking operation that already goes into the lagoon," Latham explained.

Latham and Short forwarded the letter of agreement to Bruce. According to Kirk Robinson, lead inspector for Agriculture's livestock nutrient management program, he initially approved the plan. But after questions from Bruce, Robinson thought Short should make a small addendum to his nutrient plan for cheese-making byproducts such as whey.

"It wouldn't be complicated, but we would want to know how whey would react with manure and how much would be placed in the lagoon," said Robinson.

"The lagoon has a capacity for milking 300 cows and 300 heifers," countered Short. "The maximum number for the creamery would be 50 cows and 50 heifers. It's a no-brainer."

The second and far weightier issue was the complexity of a water system. Short felt he had worked out an agreement with state Agriculture that allowed him an exemption for a family farm. Family farms with small-scale production facilities don't have to build a Group B public water system, but the farmers can employ only immediate

family members.

In Short's food processing application for Agriculture, he stated he wants to employ people outside the family, so the application was bootied to the Department of Health, which approves drinking water systems.

"I informed his partner he would have to meet the Group B design standards last Thursday," said Jerrod Davis, assistant regional manager for the Washington State Department of Health Office of Drinking Water. "There will be a financial impact, so they are concerned. We are not stopping the creamery but just saying these are the regulations you have to comply with to provide safe and reliable drinking water."

A Sequim engineering firm informed Short it would take \$10,000 and two to four months to design a Group B public water system.

"That's not for the infrastructure, just for the plans so we can get a permit," lamented Short. "The product can't pay for a public water system. I can't comprehend why we would need a public water system as long as our water meets the standards. I'm not opposed to performance standards. I couldn't sleep at night if I thought the water might be contaminated."

Short has already invested \$20,000 and a year and a half of his life into the creamery. He's been renovating his 20-year-old buildings according to the county permit requirements. But he said he has had enough.

"I don't want to talk to any more bureaucrats," he declared. "A 61-year-old guy isn't supposed to get tears."



• Dan Bruce

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**From:** Dan Bruce  
**Sent:** Tuesday, October 05, 2004 9:48 AM  
**To:** 'Jan Huck'  
**Subject:** RE: Roger Short

Jan,

I want to thank you personally for doing such a thorough job researching this article. I think you have been fair and accurate to all parties involved. I don't know anyone who believes Mr. Short's idea to be faulty. In fact, I think we are all in agreement that this will be a viable business in Jefferson County, if not for Mr. Short then for the next farmer that chooses to undertake it.

There is one change I made, bottom of the first section - disease outbreak regarding cheese in WA. In closing, I believe as does Mr. Davis from Department of Health that nobody is telling Mr. Short that he cannot proceed with the development of his dairy business, only that he needs to meet certain public health guidelines before he produces cheese for sale to the public. If I were to speak privately with Mr. Short I would tell him to **PRESS ON!** This State can be unfriendly to business, especially a new business, but any type of food production carries with it the real potential to transmit disease and even death to unsuspecting patrons. Once the over-riding health issues are resolved this concept has the potential to be Western Washington's next growth industry.

If I can provide any additional information, please don't hesitate to contact me.

r/ Dan

Dan Bruce, RS, REHS  
Jefferson County Environmental Health Director  
615 Sheridan Street,  
Port Townsend, WA 98368  
(360) 385-9444

-----Original Message-----

**From:** Jan Huck [mailto:jhuck@ptleader.com]  
**Sent:** Tuesday, October 05, 2004 9:22 AM  
**To:** Dan Bruce  
**Subject:** Re: Roger Short  
**Importance:** High

Dan, Here is the story. I would appreciate it if you could read through it and correct any mistakes in ALL CAPS so our ancient computers can pick them up. I hope you feel the story is fair. Cheers, Jan



>  
>  
>  
Chimacum dairy farmer Roger Short promised his wife he would have the Chimacum Creamery up and running by last February. In the spring, he and his business partner revised their start date for cheese production to September. Now it may be never.

"I give up," Short said Monday, sitting in his office at the dairy. "There's too much red tape and bureaucracy."

On Friday, the creamery cows go to auction. Then he can stop dumping hundreds of gallons of milk every day, milk that was suppose to go for cheese making. His business partner, Will O'Donnell, only learned Tuesday of the changes that were taking place with Short but still hopes to continue the venture.

While some local dairy farming are giving up and selling their cows, Short tried to save the family farm by starting a small cheese-making business. Chimacum Creamery has been trumpeted as the first value-added farm production, a model for other farmers.

A dairy farmer for 40 years, Short said his blood pressure had skyrocketed in the last three weeks ever since he received a letter from Dan Bruce, the county's new environmental health director telling him several state approvals for his commercial creamery had not been addressed properly. Short said he had a written agreement with the state Department of Agriculture for creamery waste disposal and a verbal understanding with the state Department of Health's division of drinking water before the local agent got involved.

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Bruce said he was just doing his job to make sure food businesses and regulatory agencies were on the same page.

"I found Mr. Short was either not hearing what was said or misinterpreting the situation," Bruce said. "I think the business he is proposing is a great idea for Jefferson County, but there is a right way and a wrong way to do it. ONE OF THE MOST RECENT OUTBREAKS IN WASHINGTON STATE CAME FROM A CHEESE PRODUCT. (Our largest disease outbreaks come via milk.) Every agency at every level

wants to help him meet public health standards."

#### Value-added

"Dan Bruce stepped in to make sure everything went smoothly," said Jefferson County Administrator John Fischbach. "Our directions to the staff were to work with Mr. Short to make sure he gets through the process as easily as possible because we want to get the business open and running successfully." County Commissioner Glen Huntingford has asked Short for a list of regulatory requirements so, together, they can work through them, but Short said he didn't do it.

Short, himself, took responsibility for some of the roadblocks. "I don't always stay on top of things, but the regulators have no idea how much



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"Roger is the first Jefferson County farmer to convert to value-added production," added Latham. "If Roger can't do it, it doesn't bode well for other small scale agricultural production."

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### Family farm

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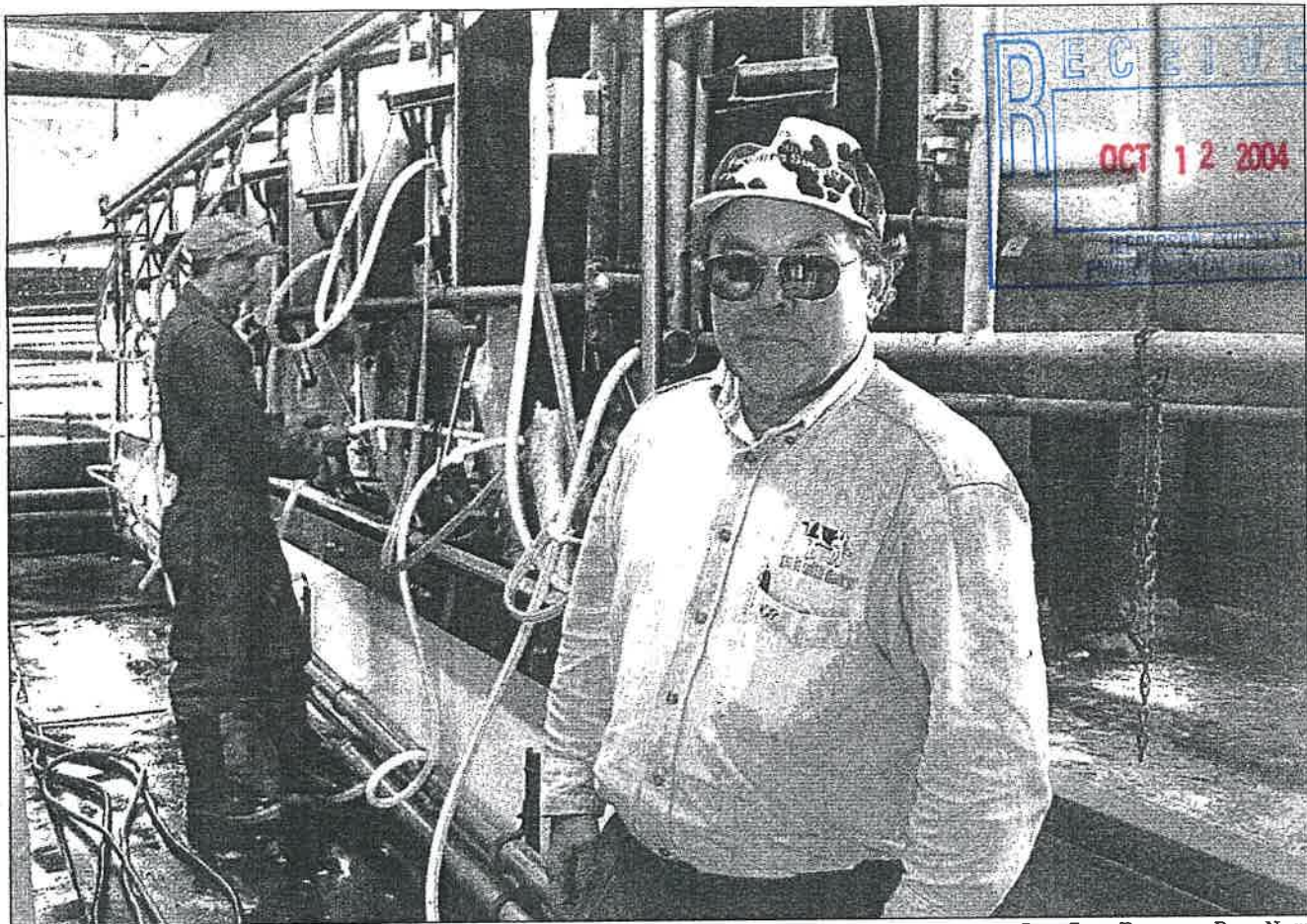
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MAR 26 2004





JEFF CHEW/PENINSULA DAILY NEWS

**With his dairy cows about to be milked, Roger Short pauses at his Valley View Dairy on Monday. Short earlier pleaded with the Jefferson County commissioners to help him cut through the bureaucracy that is holding up his plans to add an organic cheese processing facility to his milking barn.**

# Jefferson bureaucracy sours cheese factory bid

## Angry dairy farmer asks county panel to ease permits

BY JEFF CHEW  
PENINSULA DAILY NEWS

PORT TOWNSEND — Friends, neighbors and farmers packed a courthouse meeting room Monday to support longtime Chimacum dairy farmer Roger Short, who voiced frustration with bureaucracy in his bid to build Jefferson County's first organic cheese processing facility.

Short, who called for the firing of

new county Environmental Health Director Dan Bruce, gave county commissioners a week to come up with a solution or he will pull out of his partnership with cheesemaker Will O'Donnell.

### No 'roadblock'

"They could have said, 'It will happen, we will not be a roadblock and we will not be a hindrance,'" Short said of the commissioners after the Monday morning hearing on his creamery plans.

After fellow Chimacum dairy farmer and commissioners' chairman Glen Huntingford told Short he could be hurting his own cause by giving

the commissioners only a week to act, Short responded:

"I've been dealing with this for 1½ years and it has to move forward."

Huntingford assured Short that the commissioners would do whatever they can to make his project happen.

However, Huntingford said: "The county's role is public health, and we do have to respond to make sure this is addressed along with everything else."

At issue, said Short, is the possibility that the dairy may need a new nutrient management plan and a new water system that will cost upwards of \$10,000 for engineering.

TURN TO DAIRY/A4



# Dairy: Proven health safety

CONTINUED FROM A1

An option is piping Jefferson County Public Utility District water 6,000 feet to the farm, but Short said that would cost \$450,000.

Short said he and O'Donnell had every intention of running a clean operation with clean water.

"Cheese-making is a specialized process," he said, "that if you have the wrong bug in it, it won't work."

Short added that he has produced milk since 1970 "and nobody's gotten sick."

He demanded that Bruce have no more role in the county permitting process, "otherwise I'm out."

Bruce told the commissioner that he came on board during the latter part of the permitting process in the creamery proposal.

"To the best of my knowledge there have been no permits issued for Mr. Short's dairy," he told the commissioners Monday prior to the hearing.

Bruce warned that "milk is fraught with danger if it is not treated correctly . . . I believe the county has been painted as anti-business, and I take great umbrage with that."

## Going to Olympia

Short, who proposes building an organic cheese processing facility under the same roof as his milking barn, said he would travel to Olympia today to take his case to 24th District Rep. Lynn Kessler, R-Hoquiam, and 2nd District Sen. Marilyn Rasmussen, D-Eatonville, a family friend and ranking member of the Senate Agriculture Committee.

**S**hort, a farmer for 40 years, is attempting to save the family dairy by going into the organic cheese business, part of the county's burgeoning value-added agriculture movement.

After he and about 50 others confronted the county commissioners Monday, Short met with Port Townsend Food Co-op general manager Briar Kolp and Washington State University Cooperative Extension Service agent Katherine Baril.

Kolp, on behalf of the food co-op, endorsed the proposed cheese-making business, and said its products would be sold at the co-op.

"By promoting local production, we encourage local buying," Kolp told the commissioners, adding that 20 percent of what the co-op sells is locally produced.

She said the food co-op offers "any support that it can" to the cheese-making venture.

Baril urged that a "business facilitator" was needed to assist value-added farmers make it through the bureaucratic maze.

"There's no doubt that we want to make this happen," Baril said.

## Bureaucratic roadblocks

Short, who earned his bachelor's degree in dairy production from Washington State University, said he has met bureaucratic roadblocks filter-

ing down from the state Department of Agriculture and Department of Health through the county environmental health division.

At his Valley View Dairy on Center Road, Short said he plans the organic cheese processing plant adjoining his existing milking barn.

A farmer for 40 years, Short is attempting to save the family dairy by going into the organic cheese business, part of the county's burgeoning value-added agriculture movement.

The cheese processing plant is seen to be a pilot program in the county, a model effort for other farmers waiting in the wings.

Kelly James, a farmer with Froghill Farm in Port Townsend for seven years, said mainstream markets are catching on to the organic food movement, making it more difficult for small organic farmers to survive.

"This is what's going to kill the small farmers once again," she said.

## Tearful plea

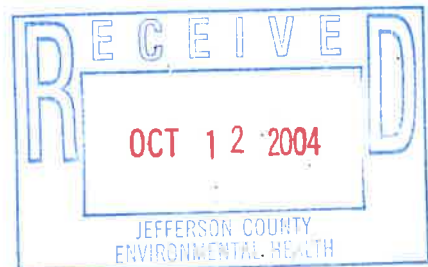
Besides Short, his wife, Sandy, tearfully pleaded with the commissioners to "get your bottoms into gear, guys."

She said the farm had proven its health safety "by a test over time."

Tom McNerney, county Planning Commission chairman, said his board and the county commissioners have repeatedly shown their support for value-added agriculture.

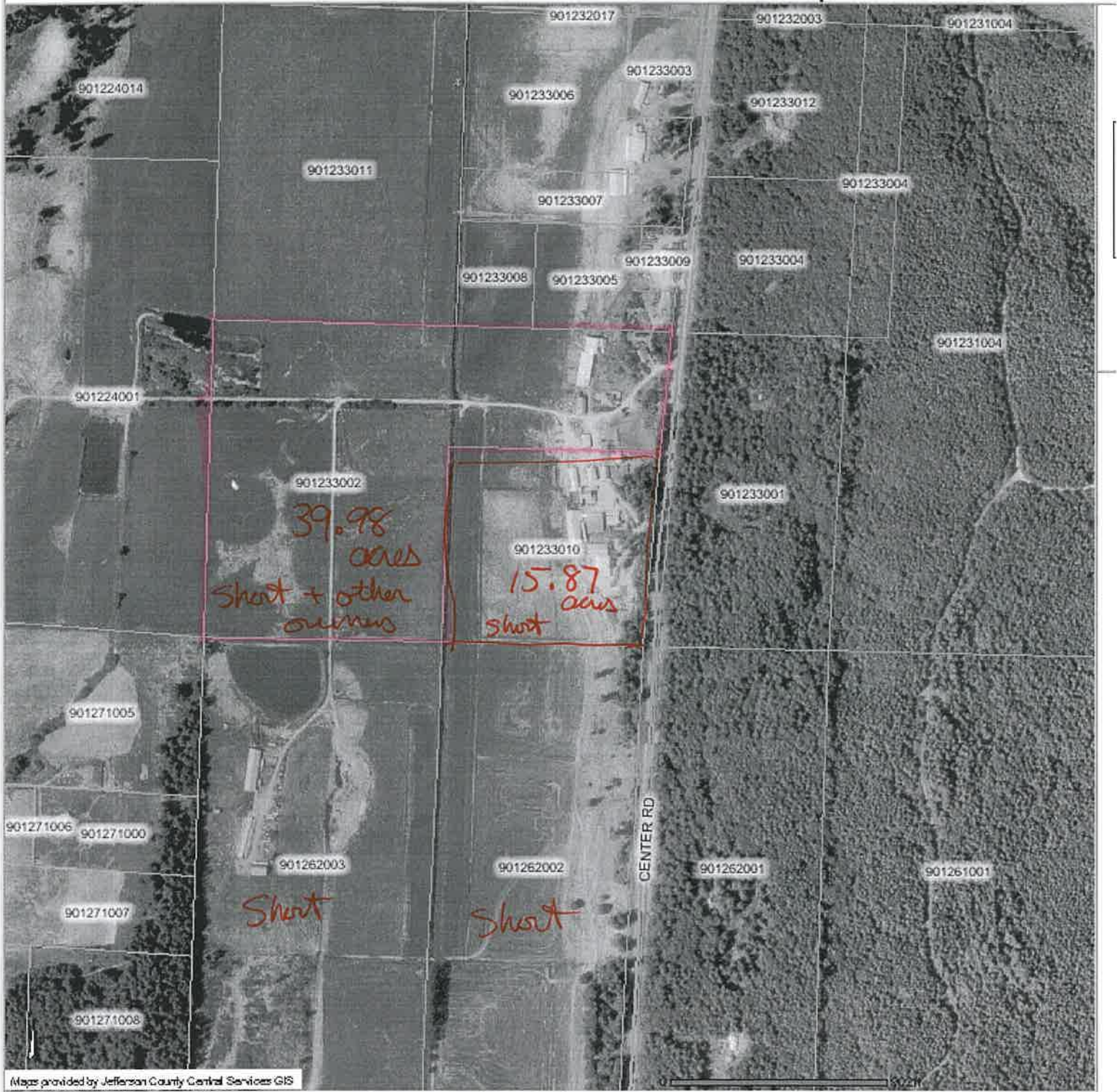
"You're preaching to the choir . . . They're on your side," McNerney said.

at  
sion





# ArcIMS HTML Viewer Map



FOR INFORMATIONAL PURPOSES ONLY-

Jefferson County does not attest to the accuracy of the data contained herein and makes no warranty with respect to its correctness in this map is limited by the method and accuracy of its collection. Tue Oct 12 13:39:45 2004



# Board's Official Business

Highlights from Monday's Commissioner Meeting

October 12, 2004

**COUNTY ADMINISTRATOR'S BRIEFING:** John Fischbach reported on the following:

- The Bogachiel River has taken out a portion of Highway 101 in the West End of Jefferson County near the Clallam County line. Traffic will be rerouted over a DNR road with a pilot car. Delays of more than an hour are expected. The State DOT, Emergency Managers from Clallam and Jefferson Counties, and the Public Works Department are meeting to work out a plan.
- Tuesday there is at the groundbreaking ceremony for the East Jefferson Rotary Pavilion at HJ Carroll Park and Thursday at the Mill Road crossing of the Larry Scott Trail, *The Leader* will be taking pictures of project volunteers.
- Environmental Health Director Dan Bruce updated the Board on the Chimacum Creamery project. There are no permit applications for the project on file with the County. However, there was a pre-application meeting. Several State agencies have regulations that will need to be addressed. A Class B well is an issue with the State DOE and the State Department of Agriculture has dairy concerns.

**PUBLIC COMMENT PERIOD:** Approximately 35 people were present to show their support for Roger Short and the Chimacum Creamery project. Most of them feel that it is important for this project to be successful in order to encourage other "value added" agricultural businesses in the future. Many of them asked the Board to use their influence to get the project through the system as soon as possible. Comments on other issues included: a letter from Representative Kessler was received recommending that the County fund the parking at Fort Worden for the remainder 2004 and that funding be set aside for the parking subsidy in 2005; other jurisdictions are talking to Centrum about relocating where they would have more advantages and not have the parking hassle; concerns about the amount of money that the retired County Administrator received from sick leave and vacation accrual; why can public records requests be put off for 30 days or more?; employment contracts shouldn't be on the Consent Agenda; agenda bills need to be kept as part of the public record; why are several members of the management of the Tri Area Community Center being replaced?; the numbers in the formula for the Commissioners' vehicle allowance seem high in order to give them a

higher allowance; is the retired County Administrator still using a County computer?; and the Board can "expedite" items that are to their benefit, so why can't they help Roger Short?

**CONSENT AGENDA:** All of the items on the Consent Agenda were approved.

**3 RESOLUTIONS:** 1) Imposing Timber Excise Tax to Include Timber Harvested from Public Lands Phased-in Over Ten Years, and Credited against the State Tax; 2) Adopting the Cost Allocation Plan for Fiscal Year 2004; and, 3) Designating Persons with Authority to Sign Documents for Conservation Futures Fund Projects; and **AGREEMENT, Amendment No. 1** re: Acquisition of Property for the Quimper Wildlife Corridor Using Conservation Futures Tax Funds; Amending Purchase Closing Date with Gordon Papritz

**MEMORANDUM OF UNDERSTANDING:** 2004-2005 Parent to Parent Statement of Work with The Arc of Washington State, Parent to Parent Support Programs

**3 AGREEMENTS:** 1) Educational and Therapeutic Services for Children Birth to 3 Years of Age with Holly Ridge Center; 2) Funding for a Family Resource Specialist To Implement the Take Time Program for a Drug Free Community as Part of the Raising a Healthy Community Program with Olympic Educational Service District #114; and, 3) Professional Services for Individuals with Developmental Disabilities and their Families, Parent to Parent Program with Kitsap/Jefferson County Parent Coalition for DD

**ORGANIZATION CHART:** Revised Public Works Organization Chart

**ADVISORY BOARD RESIGNATION:** Jerry Schnell, Ph.D from the Substance Abuse Advisory Board

## CHIMACUM/IRONDALE BEACH PARK MASTER

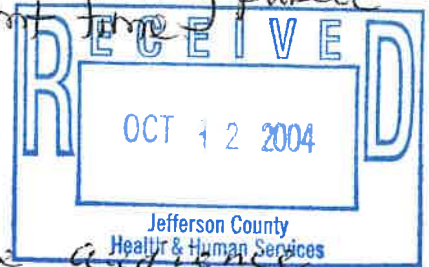
**PLAN HEARING:** The Parks Board recommendation is a non-formal natural park with interpretive signage and information regarding historic use of the site. There was a great deal of public process and this will continue with naming the park. A potential use of the site for boat ramp that has been included. At the close of the hearing, the Board voted to approve the Chimacum/Irondale Beach Park Master Plan.

**SURPLUS COUNTY PROPERTY HEARING:** There are 4 parcels of County property that are being surplus and one tax title property. A parcel can be pulled by the Board up until the sale. A non-profit organization has indicated an interest in one parcels, but the guidelines will need to be reviewed. The City of Port Townsend was not interested in purchasing any of the parcels. At the close of the hearing, the Board voted to approve the sale of the surplus property.



Public Comment 10-11-04  
cc: HD } 10/11/04  
DCD }  
10-11-04  
B.O.B.

Submitted during public  
comment time



Good morning Commissioners  
and Ladies + gentlemen in the audience,  
if you <sup>that</sup> are here to ~~SP~~ support me today  
I say "Thank You". The story in the  
Leader is true.

There has been 3 major roadblocks.

1. Public water system
2. Septic system
- 3 use of dairy lagoon for processing waste

All can be solved with a stroke  
of a pen and not compromise food  
safety or quality.

The major hinderance is the new  
Environmental Health Director Dan Bruce.  
He ~~the~~ replaced Larry Faye on Sept 1, 2004.

Show letter

Glen Dan Pat I heard you say  
in July 2004 that you liked my Creamery  
project, it would be good to help you  
sustain Jefferson County Ag., and would send  
orders to staff to expedite the  
process. I sincerely think you meant  
well.

Al Scaif and Stan (building inspector)  
made a site visit to the dairy.  
I learned.

1. Ag buildings are not exempt from building  
permits if they <sup>have</sup> water and electric &



2. I ~~for~~ learned that adding value to a Farm product bumps the building to the Commercial bracket. Commercial requires higher building standards, a public water system, handicap access, designated parking, and the list goes on. A Licensed Engineers wet stamp was needed on the septic system, public water system, and the 19 year old building. Creamery waste going to the 2 1/2 million gallon dairy waste lagoon would be ok, but I was to get a confirming letter from the proper regulatory agency, WSDA. We did reach agreement that only the Creamery Portion of my dairy's milking barn would need to be commercial. Commercial also meant the County would be collecting more fees.

I'm not sure how I was lead to believe that Tillman Engineering was the only ~~firm~~ in County Firm that could do the work. Ryan was too busy to provide ~~the~~ wet stamps in a timely manner.

The first out of county engineer I called gave me a estimate for permit and engineering of a Class B Public water system of 2-4 months and \$10,000. The 2nd + 3rd engineers were not in their office. The 4th and 5th asked what



County I was from. I said Jefferson. They said "I'm sorry - good luck. And by the way why do you even need a public system."

In August, the staff at Community Develop ~~the staff~~ was every accomadating. We setup and had a couple good meetings. Then the issue of ~~se~~ septic came up. Staff found a record of the dairys septic that was approved in 1986. Staff could not find the design, location or <sup>is</sup> built records. I was to dig up the septic tank, D box and ends of drainfield lines. After 2 weeks of the barn yard being all torn up I covered it all back up.

In August, WSDA sent a letter say Creamery waste could go into the dairys waste lagoon. Not having jurisdiction over this issue, ~~but~~ wanting to help the process along and not understanding all of decisions <sup>more</sup> took it upon himself investigate further. Mr. Bruce you did not help. You are 100% hinderance and seem to be proud of it. I think you should be fired.

~~is the~~ Armed with a ~~new~~ waste water victory, Mr. Bruce tackles the water issue. WSDA Confirms Will O'Donnell's research of water Systems of small on farm Cheese processors



~~the~~ A public water system was not required. With Dan not satisfied he went to work, doing what he does best - hindering. He found that all small cheese on private wells were family owned. Chimacum Creamery was going to be a partnership. Mr. Bruce you do not know the business structure of those <sup>other</sup> cheese operations.

Mr Bruce provided me with a copy of Group B Public Water Systems. Under WAC 246-291-060 Waivers # 4 state "The board or local health officer may grant a waiver if it determines the water system is unable to comply with the requirements and granting of the waiver will not result in an unreasonable risk to the of consumers. No waivers may be granted for exceedance of a primary MCL." The whole water issue would be mute with a waiver. Mr. Bruce, quit trying to waste my money I try being helpful. Or better yet, ~~quit~~ stay with your job description.

I would like to make a public apology to maybe 50-75 Ag land owners who I talked to last summer concerning Ag zoning. ~~this past sum~~ I was ignorant of many of the issues. I'm sorry.



This past Saturday Sandy + I visited Golden ~~Glen~~ Glen Creamery near Burlington Wash. I've know Vic Jensen since about 1968. I ~~was~~ <sup>were</sup> on WS Dairy Federation Board ~~for~~ at the same time for more than 12 years. In Jan 2004 Vic's family partnership ~~first~~ had their first cheese processing meeting. Vic's ladies (Wife and 2 daughter-in Laws) made their first Farmstead artisan cheese about Aug 15, 2004. Golden Glen Creamery is appoved by all agencies who have regulatory authority for their operation. Golden Glen does not have a public water system. It has a private well that is monitored by WSDA. The processing waste goes into the dairy waste lagoon that is ~~certified~~ certified and regulated by WSDA. Golden Glen does not have a septic system. They ~~have~~ rent a Sani-Can that is cared for weekly. ~~They have~~ Through ~~the~~ Skagit Council of Governments ~~was~~ ~~able to~~ ~~to~~ Golden Glen was able to obtain at low interest, 10 year payback loan.

With the tremendous community support, renewed hopes of helping ~~and~~ <sup>to</sup> sustain ~~ing~~ Ag in Jeff Co., and a visit to Golden Glen Creamery ~~and~~ "the model of what Family Farms is really about" I will devote ~~to~~ ~~next~~ this week to getting Final approval for all permitting.

Next Monday <sup>Oct 18</sup> Noon I expect approval from JC and to go ~~unobstructed~~ forward unobstructed.



Needs of Creamery to move forward

1. County permitting fees waived

Jefferson County collects over \$150,000 of Conservation Future Tax money each year. What could possibly be a better use of those funds. This would demonstrate that Jeff, Co is indeed serious about sustaining, economically and environmentally, a ag community to produce local food ~~for~~ local people.

2. No Class B Public Water system.

WSDA has regulatory ~~and~~ and enforcement. If WSDA standards are not met, corrections must be made according to their WSDA protocol or regs.

3. Septic approval - work out an ~~for~~ acceptable plan that does not set Creamery with excessive additional debt.

4. Creamery waste - approval to go to dairy waste Lagoon.

5. Ag use - not Commercial

This is truly an added value agricultural products on a very small scale by local people for local people.

6. WSDA to have lead role for approval, inspection, performance, and regulation. Mr Bruce will have no role.



## Community Support Role

1. Demand ~~that~~ ~~above~~ the above items
2. Legal help and or Fund to add common sense to the system and force government to serve its citizens
3. Creamery needs to borrow \$150,000 at say 4% APR with a 10 year pay back
4. Minor Construction help

The above 10 items needed to move forward must all be in place with approval to move forward.

If in order the equipment will be ordered Monday Oct 18 ~~in~~ after noon and will be in operation by my 62<sup>nd</sup> B.D 11-19-04.



# Washington state women

**Trio of cheesemakers learn some of the basic building blocks of starting a new business**

By COOKSON BEECHER  
Washington State Staff Writer

BOW, Wash. — When Judy Jensen and her two daughters-in-law, Brandy and Andrea Jensen, decided to launch their own cheesemaking business, Golden Glen Creamery Inc., they knew they had a lot of homework to do.

They were right. As they began laying the groundwork for their new enterprise, they quickly learned there was a lot to know — not just about cheesemaking but also about financing and marketing. And now that the creamery has started making cheese, the learning goes on.

Not that they were entering an entirely new field. All three are dairywomen, and as Judy will proudly point out, Andrea and Brandy even served as Dairy Princesses.

But that didn't mean they were ready to start an entirely new business without a lot of advanced planning.

Step one was to come up with a business plan that would convince Judy's husband, Vic, to set up a cheesemaking facility at the family's dairy.

Vic readily admits that he was impressed by all of the research the three women had done. He also thought that diversifying the family's 375-cow dairy made good business sense.

He took the plunge and had a new USDA-inspected cheesemaking plant built on the farm.

"We, as a family, decided this was something we should do," he said.

"We had lots of family meetings," said Brandy. "Lots of them."

The three women agree that in any family enterprise, it's critically important to involve all family

members before taking the first step.

With a green light from the family, Brandy and Andrea took the short-course cheesemaking class at CalPoly, traveling out of state because the class at Washington State University was full.

Once home, they had a lot of decisions to make.

"These were our first decision and our first purchase," said Andrea, smiling as she showed off their Holstein-patterned cheesemaking caps.

"The other decisions haven't been so easy," Judy said, as the three women chuckled in agreement.

Part of their continuing education was to visit other cheesemakers in the area. There they picked up some tips about cheesemaking in general. And from neighboring Samish Bay Cheese, they gained a valuable resource for information about where to get equipment and supplies.

They also turned to the Internet.

"Anything and everything about cheesemaking and starting a new business," said Brandy.

## MARKETING DECISIONS

Although their venture is so new that their cheddar cheese hasn't yet aged enough to sell, the trio is already selling fresh cheeses

cows based on the breed's reputation for producing rich, creamy milk.

Another decision is to emphasize that their cheese is all natural — no BST administered to the cows and no artificial color added to the cheese.

"We're marketing it as farmstead cheese that's made by hand," said Judy.

"Our cheese isn't a run-to-the-store kind of cheese," said Andrea. "It's more for a person who wants local, healthy food."

In talking with Stuart Welch, owner of Rexville Grocery, they learned that they needed to send their labels back to the drawing board.

Welch advised them that their labels needed to include more than the name of the product and its price.

"They have a great product, and they've got to let people know that through the label," said Welch.

They followed Welch's advice. Their new labels include the name of their business and a description that says, "handcrafted all-natural cheese by the Jensen ladies in Bow, Wash."

They quickly learned that this sort of marketing approach makes an important difference. While at the store, some customers came over to talk with them, thrilled at the chance to actually meet the

**"They said you needed a feasibility study ... We had done it backwards. You're supposed to do a feasibility study and then a business plan if you want to apply for those grants."**

Brandy Jensen,  
co-owner, Golden Glen Creamery

in some of the small stores in the region.

At this point, they've decided to concentrate on squeaky cheese, mozzarella, queso fresco, and aged cheddar and Gouda cheeses. Some of their Goudas are flavored with ingredients such as tomato and basil and jalapeno peppers.

They've also decided to capitalize on the fact that they're using milk from their dairy's Guernsey

people who had made the cheese they were sampling.

## BUSINESS PLAN HELP

In their research on possible funding sources, the trio came across the Economic Development Association of Skagit County.

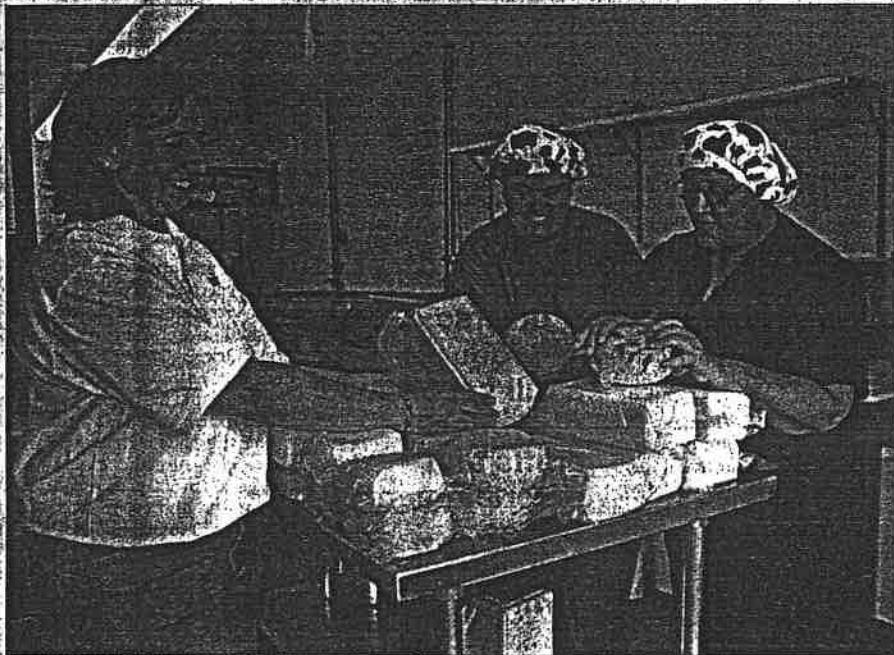
They praise the people there for helping them refine their business plan.

"They were lifesavers," said

**Consumers, farmers meet in marketplace**



# get help with enterprise



COOKSON BEECHER/Capital Press

Owners of Golden Glen Creamery, from left to right: Brandy Jensen displaying cheddar cheese to be aged; Andrea Jensen with Gouda cheese; and Judy Jensen. The creamery specializes in handcrafted farmstead cheeses.

Brandy.

The economic development association referred them to Skagit County Council of Governments, whose goal is to help new businesses and boost employment opportunities. Through the council, they were able to obtain a low-interest loan. Brandy said the loan is especially helpful because it's a 10-year loan, which makes the payments lower.

Brandy and Andrea also went to a USDA class on how to apply for value-added grants. There they learned something surprising.

"They said you needed a feasibility study," Brandy said. "We had done it backwards. You're supposed to do a feasibility study and then a business plan if you want to apply for those grants."

Brandy explained that a feasibility study includes such things as financial capability to expand and a realistic cash flow.

They turned again to EDASC and were referred to a financial expert at Western Washington University.

"It would have been extreme-

ly helpful to do a feasibility study first and then the business plan," said Judy, referring to the USDA grant process.

Now that they have both, they're considering applying for USDA value-added funding next year.

"We have what we need to do that now," said Brandy.

Golden Glen Cheese Creamery is open from noon to 6 p.m., Tuesday through Saturday. Customers are invited to come to the farm at 15098 Field Rd., Bow, Wash. For more information call 360-766-6717.

Cookson Beecher is based in Se-

dro-Wooley, Wash. Her e-mail address is cooksonb@sos.net.

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JEFFERSON COUNTY

NO.

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AMOUNT

COIN

CHECKS

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TOTAL

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OLYMPIC PRINTERS 1-800-535-9204

Parcel #901262002  
SOM78-00366



No Easement  
per Roger  
1/4/06

business approval  
expired

change status in  
p/p  
1/5/06

S05012

MILA05-00131  
Roger Short

SUB:BLA  
Chimacum



## UDC CONSISTENCY REVIEW

Project Planner: M LINDBLAD

Master#**MLA05-00131** Review Type **Project Description****SUB05-00012**

BOUNDARY LINE ADJUSTMENT

Primary: ROGER SHORT  
1720 CENTER RD  
CHIMACUM WA 98325Site Address:  
.....  
CHIMACUM WA, 98325OWN VALLEY VIEW N&L FAM TR UND INT  
S/W MCINTIRE-LJ LEIGH  
1582 CENTER RD  
CHIMACUM WA 983259711Project Location: Parcel Numbers 901 233 002 & 005 in Section 23, Township 29, Range 01 West, WM, Located at  
1582 Center Rd, Chimacum, WA 98325

Parcel Number: 901233002	S-T-R: 23-29N-01W	Total Acreage: 40
Legal Description	S23 T29 R1W S1/2 SW1/4(LS PTN E CO RD(LS PTN BTWN CO RD & CREEK	Land Use: 8100
Flood District:	Fire District: 1	Planning Area: 6 MP
Flood Map (FIRM) Panel No: 5300690435B	School 49	Zoning: AG 1:20
Parcel Number: 901233005	S-T-R: 23-29N-01W	Total Acreage: 5
Legal Description	S23 T29 R1W S1/2 NE SW(W OF HWY)LS TX 7,15 LS R/W	Land Use: 8100
Flood District:	Fire District: 1	Planning Area: 6 MP
Flood Map (FIRM) Panel No: 5300690435B	School 49	Zoning: AG 1:20

COMP PLAN DESIGNATION:

COMMUNITY PLAN: UGA: MPR:

WATER SUPPLY UTILITY: Service Area PUD:

- [ ] Plot plan states "property line"
- [ ] Assessor's Map (Property lines on submitted plot plan must match the property lines as identified on the Assessor's 1/4 map)
- [ ] Legal Access to Property YES NO
- [ ] Parcel Tags or Scanned Documents YES NO
- [ ] ESA's: Special Reports Nearby YES NO
- Shoreline Designation: YES NO
- Stream Type: YES NO Chimacum Creek Type II & IV
- Fish & Wildlife YES NO Waterfowl → Swan easement
- Wetlands: YES NO
- Rare Plants: YES NO
- Seismic: YES NO
- Landslide: YES NO outside proposed area → see contour map
- Flood: YES NO along Chimacum Creek
- Erosion: YES NO
- Aquifer Recharge Area: YES NO
- SIPZ: none At Risk High Risk Coastal
- Stormwater site plan submitted: Yes No
- [ ] Forest Lands: YES NO
- Adjoining Forest Lands: Commercial/ Rural/ Inholding
- [ ] Mineral Lands: YES NO
- [ ] Stormwater: New Impervious Surface Land Disturbing Activity ESA's
- Stormwater Req's: Min Req #2 Min Req #1 thru #5 Min Req #1 thru #10 Engineering
- [ ] Notice Provisions/Disclosure: Airport YES NO MRL YES NO Forest Lands YES NO
- [ ] Landscaping Required: Yes No
- [ ] Parking Spaces Required NO 2 Other
- [ ] Building Height: 35' UBC Standard
- [ ] Impervious Surface coverage percentage:
- Resource Lands & Public: 10% Rural Residential: 25% Rural Industrial: Per UDC Sec 6.7
- Rural Commercial: 60% Area of Building Coverage: 60% in Rural Industrial Lands only
- [ ] Total Building (s) Size:
- RVC: 20,000 SF CC: 5,000 SF NC: 7,500 SF GC: 10,000 SF All others: subject to septic & water constraints/None specified
- [ ] Setbacks: Front: Left Side: Right Side: Rear:
- Shoreline Setback:
- LSHA Setback:
- [ ] Road Classification:
- Road Approach: EXISTING NOT REQ'D RAP
- [ ] SEPA Required: YES EXEMPT
- [ ] Flood Certificate:
- [ ] Existing Case(s) & Condition(s):
- Violations: Yes No
- [ ] Recorded Date of Subdivision: AFN Over 5yrs=UDC
- Plat Conditions: <5yrs=Plat Conditions on plat or Old Ordinance
- Lots/Require Declaration of Restrictive Covenant YES NO, submitted: YES NO
- [ ] Site Visit conducted YES NO



[ ] ADMIN: Setbacks entered in Permit Plan case N/A YES  
New Parcel Tags entered in Permit Plan N/A YES  
Special Reports Scanned N/A YES

No parcel tags found for parcel

Associated CASES		<u>status</u>	<u>issued</u>	<u>finaled</u>	<u>description</u>
901233002					
MLA05-00131					
SUB05-00012		P			BOUNDARY LINE ADJUSTMENT



## FEATURES NOT SURVEY - 901 282 003 Roger Short Composting Facility Propo



FOR INFORMATIONAL PURPOSES ONLY-

Jefferson County does not attest to the accuracy of the data contained herein and makes no warranty with respect to its correctness. The accuracy of the data in this map is limited by the method and accuracy of its collection. Wed Jan 04 11:02:04 2006



**CASES, FINDING, CONDITIONS, PERMISSIONS FOR**

**Parcel 901233002**

**Printed: March 4, 2005**

<u>Cases</u>	<u>Name</u>		<u>Review Type</u>	<u>Status</u>	<u>Planner</u>
SUB05-00012	MLA05-00131	SHORT	I	P	M LINDBLAD
Application Received: 3/4/2005 Permit Issued/Case closed:					
Case Finaled:					
BOUNDARY LINE ADJUSTMENT					
No findings, conditions, or permissions found.					



**Parcel Number:** 901233002

02/04/2005

**Owner Mailing Address:**

VALLEY VIEW N&L FAM TR UND INT  
S/W MCINTIRE-L/J LEIGH  
G/J SHORT-N/K BEMIS  
1582 CENTER RD  
CHIMACUM WA 983259711

**Site Address:**

Section:	23	School District:	Chimacum (49)
Qtr Section:	SW1/4	Fire Dist:	Chimacum (1)
Township:	29N	Tax Status:	Taxable
Range:	1W	Tax Code:	211
Planning area:	South Chimacum/Inland Valleys/Center (6)		

Sub Division:

Land Use Code: 8100 - OPEN SPACE - Agriculture

QCD 10/5/00 90723 &amp; 91159(CORRECTION) QCD 12/6/00 91143,4,5 SEE NOTE SCREEN

**Property Description:**

S23 T29 R1W | S1/2 SW1/4(LS PTN E CO RD(LS PTN | BTWN CO RD &amp; CREEK | |

☒ No Photo Available



**Parcel Number:** 901233005

02/04/2005

**Owner Mailing Address:**

VALLEY VIEW N&L FAM TRUST  
ETAL  
1582 CENTER RD

CHIMACUM WA 983259711

**Site Address:**

Section:	23	School District:	Chimacum (49)
Qtr Section:	SW1/4	Fire Dist:	Chimacum (1)
Township:	29N	Tax Status:	Taxable
Range:	1W	Tax Code:	211
Planning area:	South Chimacum/Inland Valleys/Center (6)		

Sub Division:

Land Use Code: 8100 - OPEN SPACE - Agriculture

1A NOT IN OPEN SPACE

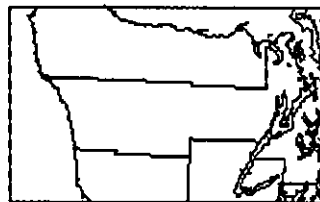
**Property Description:**

S23 T29 R1W | S1/2 NE SW(W OF HWY)LS TX 7,15 | LS R/W | |

 No Photo Available



## Features not surveyed Parcel #s 901233002 &amp; 005





March 4, 2005

ROGER SHORT  
1720 CENTER RD  
CHIMACUM WA 98325

RE: CASE #: MLA05-00131

LOCATION: Parcel Numbers 901 233 002 & 005 in Section 23, Township 29, Range 01 West,  
WM, Located at 1582 Center Rd, Chimacum, WA 98325

Dear ROGER SHORT:

Jefferson County Department of Community Development staff have received the application materials for the above project proposal and have assigned your case to:

**Mo-chi Lindblad**  
**(360) 379-4462**  
E-mail: **mlindblad@co.jefferson.wa.us**  
Fax: **(360) 379-4473**

Please direct all questions to **Mo-chi Lindblad** and refer to **MLA05-00131**. If you need to speak with Mo-chi Lindblad in person, please call to schedule an appointment in order to ensure availability.

Review times vary depending on the type of application and how complete the application is upon submittal. For more information, please visit the Jefferson County Department of Community Development web page at [www.co.jefferson.wa.us/commdevelopment/](http://www.co.jefferson.wa.us/commdevelopment/).

Thank you.

Sincerely,

---

Department of Community Development Staff

c: File

VALLEY VIEW N&L FAM TR UND INT S/W MCINTIRE-L/J LEIGH 1582 CENTER RD  
CHIMACUM WA 983259711



Screen: 01

REAL PROPERTY MASTER

Mode: INQUIRY

Auto Roll: OFF

Parcel # 000901233002 Geo Cd 290123306210

S23 T29 R1W

Nbhd Cd 4270

S1/2 SW1/4(LS PTN E CO RD(LS PTN

BTWN CO RD & CREEK

\* Taxpayer Cd VALL 7003 VALLEY VIEW N&L FAM TR UND INT T/P Chg Dt 12/27/2000

\* Title Owner T/P Chg Usr JODI

Tax Code 0211

Status TX TAXABLE

Land Use 8100 OSAG

Affidavit 63569

Vol/Page /

C/U Code A AGRICULTURAL S/C Cd

COMPLETE ADDRESS WINDOW

Taxpayer

VALL7003

VALLEY VIEW N&L FAM TR UND INT

S/W MCINTIRE-L/J LEIGH

G/J SHORT-N/K BEMIS

1582 CENTER RD

CHIMACUM WA 98325-9711

YLA05-131

Search Key .....

CMD 6: End Window

CMD 7: End of Job



Screen: 01

REAL PROPERTY MASTER

Mode: INQUIRY

Auto Roll: OFF

Parcel # 000901233005 Geo Cd 290123306210

S23 T29 R1W

Nbhd Cd 4270

S1/2 NE SW(W OF HWY)LS TX 7.15

LS R/W

\* Taxpayer Cd VALL 7000 VALLEY VIEW N&L FAM TRUST

T/P Chg Dt 1/29/1991

\* Title Owner

T/P Chg Usr SR

Tax Code 0211

Status TX TAXABLE

Land Use 8100 OSAG

Affidavit 63569

Vol/Page /

C/U Code A AGRICULTURAL S/C Cd

COMPLETE ADDRESS WINDOW

Taxpayer

VALL7000

VALLEY VIEW N&L FAM TRUST

ETAL

1582 CENTER RD

CHIMACUM WA 98325-9711

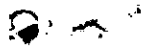
MLA 05-131

Search Key .....

CMD 6: End Window

CMD 7: End of Job





## Mo-chi Zoe Lindblad

---

**From:** Mo-chi Zoe Lindblad  
**Sent:** Friday, February 18, 2005 4:48 PM  
**To:** 'seahorse@olympus.net'  
**Subject:** RE: Roger Short Boundary Line Adjustment

You may submit a sketch of the proposed BLA for review purpose. Once the application is processed and all the requirements are met, a preliminary approval will be issued. The final survey mylar however needs to be recorded to final the BLA.

Regards,

Mo-chi  
Mo-chi Zoë Lindblad, Associate Planner  
Jefferson County Department of Community Development  
621 Sheridan Street  
Port Townsend, WA 98368  
Phone 360.379.4462  
Fax 360.379.4473

-----Original Message-----

**From:** Mason / Salmonberry Farm [mailto:seahorse@olympus.net]  
**Sent:** Friday, February 18, 2005 4:00 PM  
**To:** Mo-chi Zoe Lindblad  
**Subject:** Re: Roger Short Boundary Line Adjustment

One of my questions to you in our meeting was whether the written legal description I gave you provides adequate information for the BLA application to be processed. Pat reviewed the legal description and told me that it accurately describes the land area that we are trying to separate from Tax Parcel 901233002 and incorporate into the abutting Tax Parcel 901233005.

If the application is processed and it is found that all of the requirements of the UDC have been met, other than a survey, could the BLA be approved conditioned on the completion of a survey? Roger Short does not want to pay for a survey only to be told that the BLA will not be approved because of some other issue. However, he is quite willing to commit to paying for a survey as the final step in completing the BLA.

Thanks for considering this question.

Doug

On Fri, 18 Feb 2005 13:50:22 -0800, Mo-chi Zoe Lindblad  
<mlindblad@co.jefferson.wa.us> wrote:

> Hi Doug,  
>  
> We discussed the proposed Roger Short BLA over our division meeting  
> yesterday. Because acquisition of an easement does not qualify for an  
> exemption under UDC Section 7.1.4d, therefore you will need to go through  
> a formal boundary line adjustment process. You may download the  
> application forms at  
> <http://www.co.jefferson.wa.us/commdevelopment/Permit&Applications.htm#Land%20Use%20Application%20Forms>  
>  
> Please submit the completed applications, the application fee of \$196.00  
> and a survey to our department to start the process.



>  
> If you have any questions, please let me know.  
> Regards,  
>  
> Mo-chi  
>  
>  
>  
>

--  
Mason  
SalmonBerry Farm  
Port Townsend WA



## Mo-chi Zoe Lindblad

---

**From:** Mo-chi Zoe Lindblad  
**Sent:** Friday, February 18, 2005 1:50 PM  
**To:** 'seahorse@olympus.net'  
**Subject:** Roger Short Boundary Line Adjustment

Hi Doug,

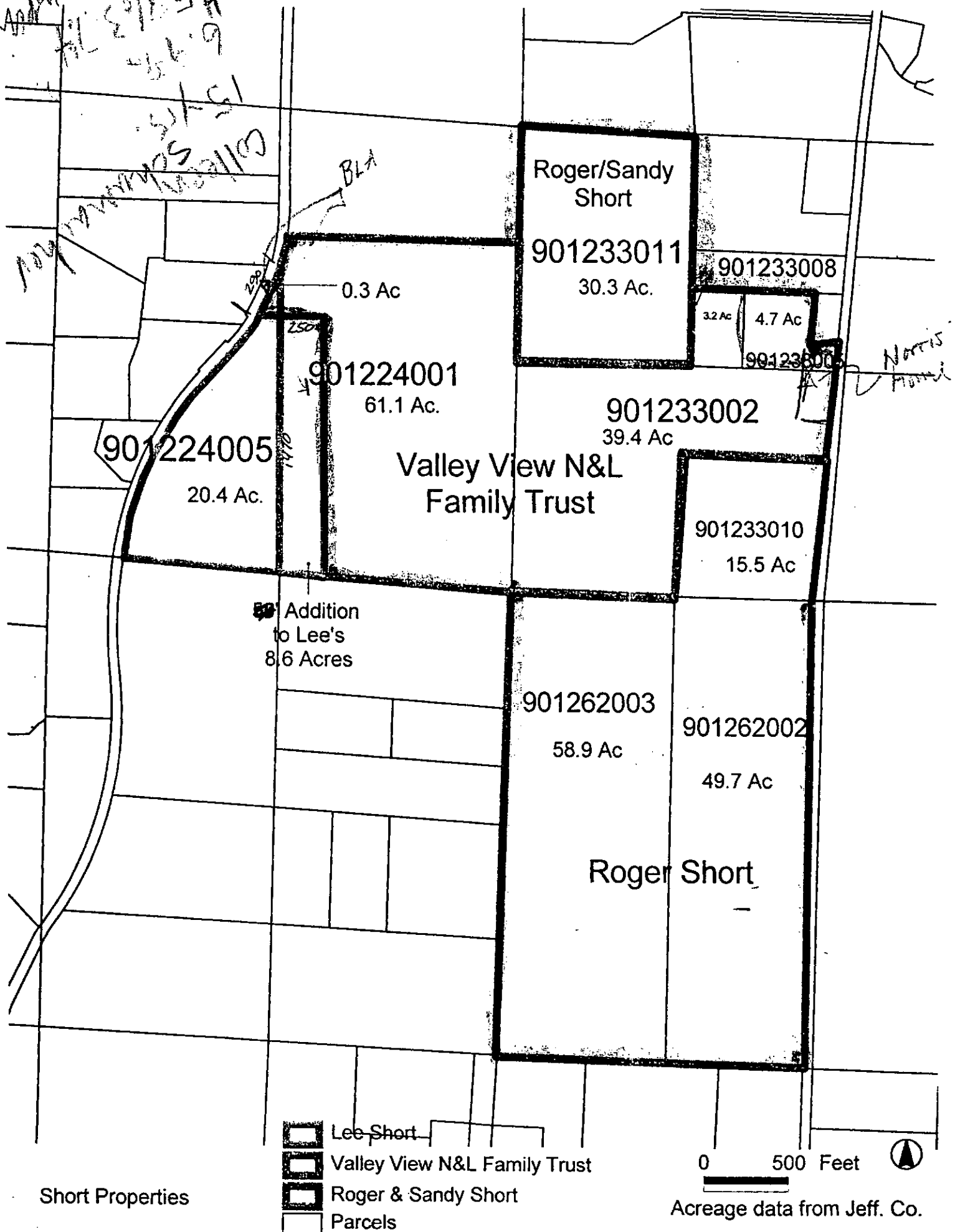
We discussed the proposed Roger Short BLA over our division meeting yesterday. Because acquisition of an easement does not qualify for an exemption under UDC Section 7.1.4d, therefore you will need to go through a formal boundary line adjustment process. You may download the application forms at <http://www.co.jefferson.wa.us/commdevelopment/Permit&Applications.htm#Land%20Use%20Application%20Forms>

Please submit the completed applications, the application fee of \$196.00 and a survey to our department to start the process.

If you have any questions, please let me know.  
Regards,

Mo-chi







## EXHIBIT A

### Parcel 1

The South half of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W. M, West of Center Road, except that portion between the center line of Chimacum Creek and Center Road, South of the line which lies 500' South of the 1/16<sup>th</sup> section line on the North side of the South half of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W.M.

### Parcel 2

The South half of the Northeast quarter of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W.M., West of Center Road, except that portion described in document recorded under Auditor's No. 242544 and except that portion described in Auditor's No. 460417, records of Jefferson County, Washington.

END EXHIBIT A



## EXHIBIT B

### Parcel 1

The South half of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W. M., West of Center Road, except that portion between the center line of Chimacum Creek and County Road No. 18, South of the line which lies 500' South of the 1/16<sup>th</sup> section line on the North side of the South half of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W.M., and except that portion beginning at the intersection of the Westerly margin of the right-of-way for Center Road, as conveyed by instrument recorded under Auditor's No. 265125, records of Jefferson County, Washington, and the North line of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W. M.; thence in a Southwesterly direction along the Westerly margin of the said right-of-way for Center Road, a distance of 210 feet; thence West along a line that is parallel to the North line of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W. M., a distance of 210 feet; thence in a Northeasterly direction along a line that is parallel to the Westerly margin of the said right-of-way for Center Road to the North line of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W. M.; thence East along the North line of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W. M., to the intersection of the Westerly margin of the said right-of-way for Center Road.

### Parcel 2

The South half of the Northeast quarter of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W.M., West of Center Road, except that portion described in document recorded under Auditor's No. 242544 and except that portion described in Auditor's No. 460417, records of Jefferson County, Washington;

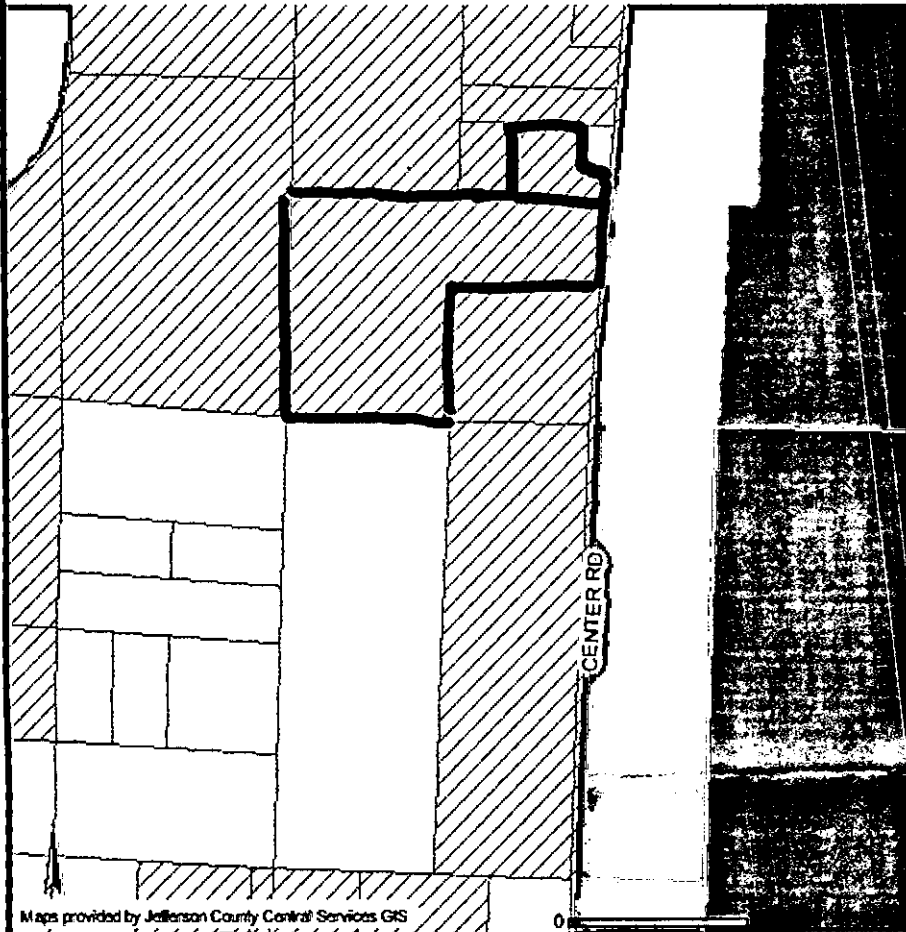
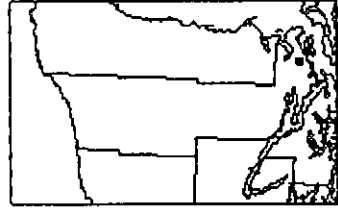
Together with that portion of the South half of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W.M., described as follows:

Beginning at the intersection of the Westerly margin of the right-of-way for Center Road, as conveyed by instrument recorded under Auditor's No. 265125, records of Jefferson County, Washington, and the North line of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W. M.; thence in a Southwesterly direction along the Westerly margin of the right-of-way for Center Road a distance of 210 feet; thence West along a line that is parallel to the North line of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W. M., a distance of 210 feet; thence in a Northeasterly direction along a line that is parallel to the Westerly margin of the right-of-way for Center Road to the North line of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W. M.; thence East along the North line of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W. M., to the intersection of the Westerly margin of the right-of-way for Center Road.

END EXHIBIT B



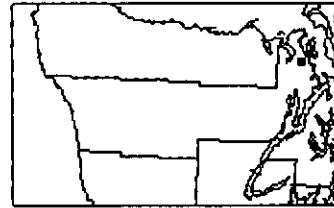
## FEATURES NOT SURVEYED - ROGER SHORT BLA










Maps provided by Jefferson County Central Services GIS



## FEATURES NOT SURVEYED - ROGER SHORT BLA



- Legend
-  Road System
  -  Parcels-H
  -  2000 Aerial Photos
  -  Boundaries
  -  Jefferson County
  -  Water
  -  Other Counties

## FOR INFORMATIONAL PURPOSES ONLY-

Jefferson County does not attest to the accuracy of the data contained herein and makes no warranty with respect to its correctness or validity. Data contained in this map is limited by the method and accuracy of its collection. Thu Jan 20 08:13:55 2005



Parcel Number: 901233005

06/11/2004

**Owner Mailing Address:**

VALLEY VIEW N&L FAM TRUST  
ETAL  
1582 CENTER RD

CHIMACUM WA 983259711

**Site Address:**

Section:	23	School District:	Chimacum (49)
Qtr Section:	SW1/4	Fire Dist:	Chimacum (1)
Township:	29N	Tax Status:	Taxable
Range:	1W	Tax Code:	211
	South		
Planning area:	Chimacum/Inland Valleys/Center (6)		

Sub Division:

Land Use Code: 8100 - OPEN SPACE - Agriculture

1A NOT IN OPEN SPACE

**Property Description:**

S23 T29 R1W | S1/2 NE SW(W OF HWY)LS TX 7,15 | LS R/W | |

 No Photo Available



Parcel Number: 901233002

06/11/2004

**Owner Mailing Address:**

VALLEY VIEW N&L FAM TR UND INT  
S/W MCINTIRE-L/J LEIGH  
G/J SHORT-N/K BEMIS  
1582 CENTER RD  
CHIMACUM WA 983259711

**Site Address:**

Section:	23	School District:	Chimacum (49)
Qtr Section:	SW1/4	Fire Dist:	Chimacum (1)
Township:	29N	Tax Status:	Taxable
Range:	1W	Tax Code:	211
	South		
Planning area:	Chimacum/Inland Valleys/Center (6)		

Sub Division:

Land Use Code: 8100 - OPEN SPACE - Agriculture

QCD 10/5/00 90723 &amp; 91159(CORRECTION) QCD 12/6/00 91143,4,5 SEE NOTE SCREEN

**Property Description:**

S23 T29 R1W | S1/2 SW1/4(LS PTN E CO RD(LS PTN | BTWN CO RD &amp; CREEK | |

 No Photo Available



Parcel Number: 901262003

06/11/2004

**Owner Mailing Address:**ROGER D SHORT  
1720 CENTER RD

CHIMACUM WA 983259779

**Site Address:**

Section:	26	School District:	Chimacum (49)
Qtr Section:	NW1/4	Fire Dist:	Chimacum (1)
Township:	29N	Tax Status:	Taxable
Range:	1W	Tax Code:	211
	South		
Planning area:	Chimacum/Inland Valleys/Center (6)		

Sub Division:

Land Use Code: 8100 - OPEN SPACE - Agriculture

**Property Description:**

S26 T29 R1W | NW1/4(W OF VALLEY RIDGELINE) | | |

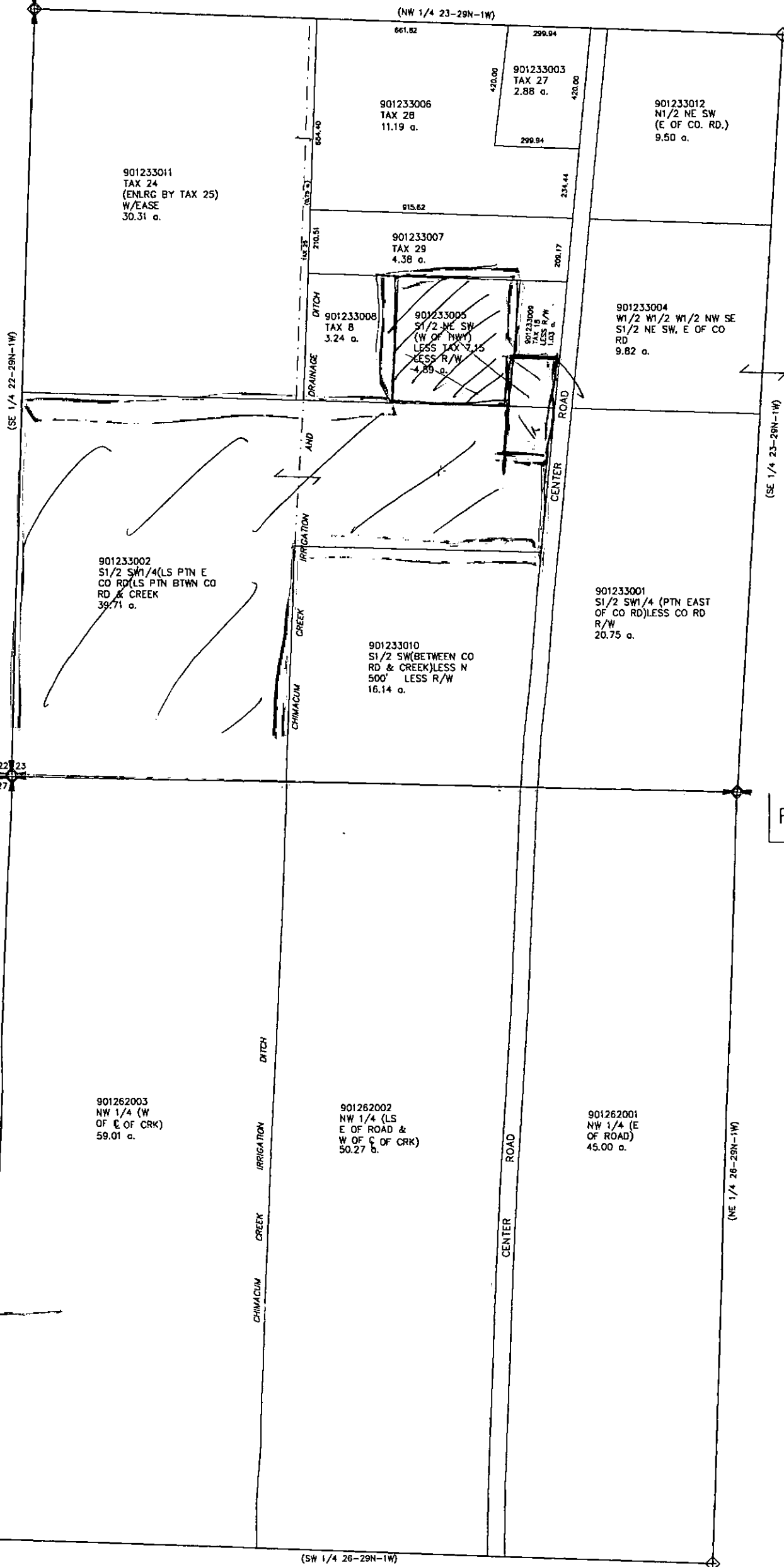
☐ No Photo Available



Ruger shot B2A

1/14/05

SW 1/4  
SEC 23  
TWP 29N  
RGE 1W



DRWN.  
2/11/02 DRP  
REVISIONS

RGE 1W

SCALE: 1"=200'

DRWN.  
2/22/02 DRP  
REVISIONS  
5/21/02 BB  
7/13/02 PM  
2/10/05 SW  
9/11/01 MF

JEFFERSON COUNTY ASSESSOR

9012620



— JEFFERSON COUNTY ASSESSOR



Par ~~A~~ 1 = 901 233 002

Par 2 = 901 233 005

Evans-Protection, etc.

Contact:

Doug Mason

seahorse@olympus.net

643-3163 cell

385-1517





**JEFFERSON COUNTY  
DEPARTMENT OF COMMUNITY DEVELOPMENT  
621 Sheridan Street  
Port Townsend, WA 98368  
(360) 379-4462**

**MEMORANDUM**

---

April 11, 2005

TO: Doug Mason  
2404 35<sup>th</sup> St  
Port Townsend, WA 98368

CC: Roger Short  
1720 Center Rd  
Chimacum, WA 98325

Norris Short  
1582 Center Rd  
Chimacum, WA 98325

FROM: Mo-chi Zoë Lindblad *mo-chi*  
mlindblad@co.jefferson.wa.us

RE: **Boundary Line Adjustment  
MLA05-00131**

Enclosed is the preliminary approval for the above boundary line adjustment and the original Statement of Intent. Also enclosed is a Real Estate Excise Tax Affidavit, which needs to be completed and return all copies with applicable fees to the Treasurer's office prior to recording of the Statement of Intent with the Auditor's office. Please let me know of the Auditor's File Number (AFN) of the recorded Statement of Intent. On the survey mylar, be sure to include the AFN of the same.

Please submit the original survey mylar, five 18 x 24" copies, one 11 x 17" copy and a check of \$85.00 (please add one (1) dollar for each additional name on the mylar, payable to Jefferson County Auditor) to Department of Community Development for department signatures. I will then record the mylar and send you a recorded copy.

Let me know if you have any question. Thank you.



**JEFFERSON COUNTY  
DEPARTMENT OF COMMUNITY DEVELOPMENT  
UNIFIED DEVELOPMENT CODE  
TYPE I LAND USE PERMIT**

**APPLICANT:** ROGER SHORT  
1720 CENTER RD  
CHIMACUM WA 98325

**DATE ISSUED:** April 11, 2005

**DATE EXPIRES:** October 11, 2005

**MLA NUMBER:** MLA05-00131

**PROJECT PLANNER:** M LINDBLAD

**PROJECT DESCRIPTION:**  
BOUNDARY LINE ADJUSTMENT

**PROJECT LOCATION:**

Parcel Numbers 901 233 002 & 005 in Section 23, Township 29, Range 01 West, WM, Located at 1582 Center Rd, Chimacum, WA 98325

**CONDITIONS:**

- 1.) Buffer perimeters shall be marked with temporary signs at an interval of one per parcel or every one hundred (100) feet, whichever is less. Signs shall contain the following statement: "Wetland & Buffer - Do Not Remove or Alter Existing Vegetation."
- 2.) The project is located in close proximity to an identified wetland and is subject to the delineation provisions of Section 3.6.9 of the Jefferson County Unified Development Code. Based upon the proposed location of the project in relation to the identified wetland, the applicant has agreed to maintain a buffer (setback) that exceeds the standard buffer requirements by fifty (50) percent. The applicant acknowledges the additional setback and agrees to maintain the extra 50 percent buffer, therefore, waiving the wetland delineation requirements of the Unified Development Code.
- 3.) Critical Aquifer Recharge Areas may require special protection measures to mitigate water quality degradation. The submitted proposal does not require additional aquifer protection measures. However, during construction the project shall follow the Best Management Practices (BMPs) and facility design standards as identified and defined in the Stormwater Management Manual for the Puget Sound Basin.
- 4.) A permanent physical separation along the upland boundary of the wetland buffer area shall be installed and permanently maintained. Such separation can include installing logs, trees, a hedgerow, or any other prominent physical marking approved by the UDC Administrator.
- 5.) The identified Fish and Wildlife Habitat Area (Type 2 Stream), shall maintain a vegetative buffer setback of 150-feet. The setback shall be measured horizontally from the Ordinary High Water Mark (OHWM) to the any structures.
- 6.) The identified Fish and Wildlife Habitat Area (Type 5 Stream), shall maintain a vegetative buffer setback of 50-feet. The setback shall be measured horizontally from the Ordinary High Water Mark (OHWM) to the structures.
- 7.) An additional setback of five (5) feet is required from the edge of the buffer area to any structures.
- 8.) A permanent physical separation along the boundary of the buffer area shall be installed and permanently maintained. Such separation can include installing logs, trees, a hedgerow, or any other prominent physical marking approved by the UDC Administrator.
- 9.) Buffer perimeters shall be marked with temporary signs at an interval of one per parcel or every one hundred (100) feet, whichever is less. Signs shall be in place prior to and during construction activities. The signs shall contain the following statement: "Buffer - Do Not Remove or Alter Existing Vegetation."
- 10.) The one-acre being transferred from Parcel A (APN 901 233 002) to Parcel B (APN 801 233 005) shall be removed from the Open Space Agricultural Program. All compensating tax must be paid prior to finalization of the boundary line adjustment (See attached compensating form).
- 11.) The acres classified as Open Space Agricultural shall continue to be used as agricultural lands as well as the area proposed for the conservation easements. Should other uses are proposed for the parcels, the land owners shall notify Jefferson County Assessor's Office immediately.
- 12.) The following notice shall be placed on the final survey mylar:



## JEFFERSON COUNTY NOTICE TO PUBLIC

Current Jefferson County Geographic Information System (GIS) maps identify the presence of an Environmentally Sensitive Area (ESA) such as stream, wetland, flood, landslide hazard area, erosion, aquifer recharge area, SIPZ, fish and wildlife habitat, shoreline, etc., lying within and/or adjacent to the revised parcels encompassed by this Boundary Line Adjustment. Prior to any land disturbing activity or construction activity, applicant/owner shall contact the Jefferson County Department of Community Development regarding compliance for such ESA's. Approval of this Boundary Line Adjustment does not guarantee issuance of a building permit within said parcel(s). Such determination is dependent on approvals of water, septic, bulk and dimensional setbacks, and ESA requirements.

- 13.) The following notice shall be placed on the final survey mylar:

## JEFFERSON COUNTY NOTICE TO PUBLIC

This Boundary Line Adjustment does not guarantee that each resulting parcel has adequate soils to support on-site septic nor does this Boundary Line Adjustment guarantee that each resulting parcel is guaranteed a buildable area. Applications for septic and building permits will be reviewed at time of submittal of such application for consistency with current state and county codes and ordinances.

- 14.) Consistent with UDC Section 7.2.3.c, the applicant/surveyor is responsible for recording the Statement of Intent with the Jefferson County Auditor and referencing said statement of Intent AFN on the face of the survey. (An Excise Tax Affidavit will need to be completed for the Statement of Intent. An Excise Tax Affidavit is also required for every document that will be recorded such as Quit Claim Deeds or Statutory Warranty Deeds.) The survey mylar and recording fee of \$85 (plus \$1 for additional names and \$5 for each additional sheet payable to the Jefferson County Auditor shall be submitted to the Department of Community Development for department signatures and recording of said mylar.

## FINDINGS:

- 1.) The Administrator finds that this application complies with applicable provisions of the Unified Development Code, all other applicable ordinances and regulations, and is consistent with the Jefferson County Comprehensive Plan and Land Use map.
- 2.) The application was reviewed by the Jefferson County Department of Community Development staff on March 7, 2005 for the potential presence of Environmentally Sensitive Areas (ESAs) under the provisions of the Unified Development Code (UDC). After an initial Geographic Information Systems mapping review and an investigative site inspection, the following ESAs were confirmed to be present on the subject property: Type 2 and Type 5 Streams, Waterfowl Concentrations Habitat Areas, Wetlands, Seismic Hazard Areas, Flood Hazard Areas and Susceptible Aquifer Recharge Areas.
- 3.) Aquifer Recharge Areas in Jefferson County are characterized by porous geological formations that allow percolation of the surface water into the soils and the underlying zone of saturation. Aquifers are geologic formations that contain sufficient saturated permeable material to yield significant quantities of water to wells and springs. Aquifers serve as the source of drinking water within most of the rural portions of Jefferson County.
- 4.) Susceptible Aquifer Recharge Areas are those with geologic and hydrologic conditions that promote rapid infiltration of recharge waters to groundwater aquifers.
- 5.) Geologically Hazardous Areas in Jefferson County are characterized by slope, soil type, geologic material, and groundwater that may combine to create problems with slope stability, erosion, and water quality during and after construction or during natural events such as earthquakes or severe rainstorms.
- 6.) A Type 2 Stream (Fish and Wildlife Habitat Area) has been identified on the subject property. The stream will require a setback of 150-feet. The setback shall be measured horizontally from the Ordinary High Water Mark (OHWM). Fish and Wildlife Habitat Areas shall also have Buffers and Building Setbacks established.
- 7.) A Type 5 Stream (Fish and Wildlife Habitat Area) has been identified on the subject property. The stream will require a setback of 50-feet. The setback shall be measured horizontally from the Ordinary High Water Mark (OHWM). Fish and Wildlife Habitat Areas shall also have Buffers and Building Setbacks established.
- 8.) Buffers are areas that shall be maintained in their natural condition, however, minor pruning or alteration of vegetation may be permitted as long as the function and character of the buffer are not diminished.
- 9.) Among the native conifer species which may be used in buffers or for re-vegetation include, but are not limited to: Grand Fir (*Abies grandis*), Sitka Spruce (*Picea Sitchensis*), Shore Pine (*Pinus Contorta*), Douglas Fir (*Pseudotsuga Menziesii*), Western Red Cedar (*Thuja Plicata*), and Western Hemlock (*Tsuga Heterophylla*).

Among native tree species which may be used includes: Vine Maple (*Acer Circinatum*), Big-Leaf Maple (*Acer Macrophyllum*), Red Alder (*Alnus Rubra*), Pacific Madrone (*Arbutus Menziesii*), Quaking Aspen (*Populus Tremula*), Black Cottonwood (*Populus Trichocarpa*), Bitter Cherry (*Prunus Emarginata*), Oregon White Oak (*Quercus Garryana*), Cascara (*Rhamnus Purshiana*), Pacific Willow (*Salix Lasianhra*), and Scouler's Willow



(Salix Scouleriana).

Among the native shrub species which may be used are: Sevice-Berry (Amalanchier Alnifolia), Red Osier Dogwood (Cornus Stolonifera) Salal (Gaultheria Shallon), Ocean Spray (Holodiscus Discolor), Indian Plum (Oemlaria Cerasiformis), Pacific Ninebark (Physocarpus Capitus), Red Flowering Currant (Ribes Sanguineum), Wild Rose (Rosa Nutkana), Swamp Rose (Rosa Pisocarpa), Willows (Salix ssp.), Red Elderberry (Sambucus Racemosa), Snowberry (Symphoricarpos Albus), Evergreen Huckleberry (Vaccinium Ovatum), Red Huckleberry (Vaccinium Parvifolium).

- 10.) The project components are more than 250' from the mapped/identified wetland. The requirement for a wetland delineation and report is waived based on maintenance of a 225' buffer from the wetland per UDC Table 3-3.
- 11.) Jefferson County determined that this proposal is categorically exempt from review under the State Environmental Policy Act (SEPA) pursuant to WAC 197-11-800(2)(j).
- 12.) This approval is for a boundary line adjustment only. Any future permits on this site are subject to review for consistency with applicable codes and ordinances and does not preclude review and conditions which may be placed on future permits.
- 13.) This parcel has been designated as Rural Residential 1:20 under the Jefferson County Comprehensive Plan Land Use Map effective August 28, 1998.
- 14.) The proposal complies with UDC Section 7.2.1.a(5) in that the proposal is to incorporate 1-acre with existing single-family residence from-APN 901 233 002 to APN 901 233 005 to facilitate an establishment of a conservation easement for trumpeter swans.
- 15.) Consistent with UDC Section 7.2.1.b(1), the proposal will not create an additional lot, tract, or parcel.
- 16.) Consistent with UDC Section 7.2.1.b(2), the proposal is not within a binding site plan.
- 17.) Consistent with UDC Section 7.2.1.b(3), the proposal will not relocate an entire lot, tract, or parcel.
- 18.) Consistent with UDC Section 7.2.1.b(4), the proposal is not inconsistent with the conditions of approval of any restrictions or covenants.

**NOTICE:** This permit does not excuse the proponent from complying with other local, state, and federal ordinances, regulations, or statutes applicable to the proposed development.

Development pursuant to this permit shall be undertaken subject to the applicable development and performance standards of the Jefferson County Unified Development Code.

If during excavation or development of the site an area of potential archaeological significance is uncovered, all activity in the immediate area shall be halted, and the Administrator shall be notified at once.

The Federal Endangered Species Act rules to protect threatened Chinook and Summer-run Chum salmon became effective on January 8, 2001. Bull trout have been listed as threatened since early 2000. Under the ESA, any person may bring lawsuit against any individual or agency that "takes" listed species (defined as causing harm, harassing, or damaging habitat for the listed species). In addition, the National Marine Fisheries Service can levy penalties. All areas in Jefferson County are included as "critical habitat" for a listed species. Development of property along any marine shoreline, freshwater shoreline, or floodplains could harm habitat if protective measures are not taken. To minimize the potential to damage habitat, all property owners developing adjacent to marine shoreline, freshwater shoreline, or floodplains are advised to do the following:

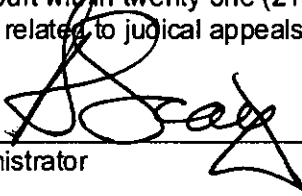
- Set back buildings, utilities and roads as far as possible from surface waters (streams, rivers, lakes, marine waters), or at least 150 feet from the edge of the water
- All development activities should avoid unstable slopes, wetlands, and forested areas near surface waters
- Remove minimal vegetation for site development, especially large trees
- Allow trees that have fallen into surface waters to remain there
- Infiltrate stormwater from buildings and driveways onsite through drywells rather than discharging directly into surface waters or roadside ditches

Any individual, group, or agency can bring suit for a listed species "taking", even if you are in compliance with Jefferson County development codes. The risk of a lawsuit against you can be reduced by consulting with a professional fisheries habitat biologist, and following the recommendations for site development provided by the biologist. For more information, contact the National Marine Fisheries Service in Seattle at (206)526-6613, or the U.S. Fish and Wildlife Service at (503) 231-6121.



**APPEALS:**

Pursuant to RCW 36.70C, the applicant or any aggrieved party may appeal this final decision to Jefferson County Superior Court within twenty-one (21) calendar days of the date of issuance of this land use decision. For more information related to judicial appeals see UDC Section 8.5.2.

A handwritten signature in black ink, appearing to read "D. S. [unclear]", is written over a horizontal line.

UDC Administrator



When Recorded Return to:  
Jefferson County Assessor

**NOTICE OF REMOVAL OF CURRENT USE CLASSIFICATION  
AND ADDITIONAL TAX CALCULATIONS  
CHAPTER 84.34 RCW  
JEFFERSON COUNTY**

Grantor(s): Jefferson County Assessor

Grantee(s): Valley View N&L Family Trust UND INT, S/W McIntire, L/J Leigh, G/J Short and N/K Bemis

Legal Description: Section 23 Township 29N Range 1 West

One Acre homesite within the S1/2 SW1/4(Less portion East of County Road and less portion  
Between County Road and Creek

Assessor's Property Tax Parcel or Account Number: 901233002-ptn

Reference Numbers of Documents Assigned or Released: 386142 V538/P870

You are hereby notified that the current use classification for the above described property which has been classified as:

- ☐ Open Space Land
- ☐ Timber Land
- ☒ Farm and Agricultural Land

is being removed for the following reason:

- ☐ Owner's request
- ☐ Property no longer qualifies under CH. 84.34 RCW
- ☐ Change to a use resulting in disqualification
- ☐ Exempt Owner
- ☐ Notice of Continuance not signed

x Other Result of transferring 1ac hmste through a BLA  
(state specific reason)



## PENALTY AND APPEAL

The property owner may appeal the assessor's removal of classification to the County Board of Equalization. Said Board may be reconvened to consider the appeal. The appeal must be filed within 30 calendar days following the date this notice is mailed.

Upon removal of classification from this property, an additional tax shall be imposed equal to the sum of the following:

1. The difference between the property tax that was levied upon the current use value and the tax that would have been levied upon the fair market value for the seven tax years preceding removal in addition to the portion of the tax year when the removal takes place; plus
2. Interest at the statutory rate charged on delinquent property taxes specified in RCW 84.56.020 from April 30 of the year the tax would have been paid without penalty to the date of removal; plus
3. A penalty of 20% added to the total amount computed in 1 and 2 above, **except** when the property owner complies with the withdrawal procedure specified in RCW 84.34.070, or where the additional tax is not applied as provided in 4 (below).
4. The additional tax specified in 1 and 2 (above) **shall not** be imposed if removal of classification resulted solely from:
  - a) Transfer to a government entity in exchange for other land located within the State of Washington; or
  - b) A taking through the exercise of the power of eminent domain, or sale or transfer to an entity having the power of eminent domain in anticipation of the exercise of such power; or
  - c) A natural disaster such as a flood, windstorm, earthquake, or other such calamity rather than by virtue of the act of the landowner changing the use of such property; or
  - d) Official action by an agency of the State of Washington or by the county or city where the land is located disallowing the present use of such land; or
  - e) Transfer of land to a church when such land would qualify for exemption pursuant to RCW 84.36.020.
  - f) Acquisition of property interests by State agencies or organizations qualified under RCW 84.34.210 and 64.04.130 (see RCW 84.34.108(5)(f)).
  - g) Removal of land classified as farm and agricultural land under RCW 84.34.020(2)(d) (farm homesite value).



County Assessor or Deputy Sherrie Shold, Property Operations

April 8, 2005

Date



## CURRENT USE ASSESSMENT ADDITIONAL TAX STATEMENT

RCW 84.34.108(3)...The assessor shall revalue the affected land with reference to the full market value on the date of removal of classification. Both the assessed valuation before and after removal of classification shall be listed and taxes shall be allocated according to that part of the year to which each assessed valuation applies. . .

**NOTE: No 20% penalty is due on the current year tax.**

Parcel No.: 901233002 Date of Removal: May 2, 2005

### 1. Calculation of Current Year's Taxes to Date of Removal

	<u>122</u>		÷	<u>365</u>		<u>.33425</u>
	No. of days in Current Use			No. of days in year		Proration Factor (To items 1a and 1b)
a.	\$ 25,000	X	10.81442	X	.33425	= \$ 90.38
	Market Value		Levy Rate		Proration Factor	
b.	\$ 225	X	10.81442	X	.33425	= \$ .82
	Current Use Value		Levy Rate		Proration Factor	
c.	Amount of additional tax for current year (subtract 1b from 1a) .....					= \$ 89.56

**2. Calculation of Current Year Interest (Interest is calculated from April 30th at 1% per month through the month of removal)**

$$\frac{89.56}{\text{Amount of tax from lc}} \times \frac{1\%}{\text{Interest Rate}} = \$ .90$$

**3. Calculation of Prior Year's Tax and Interest** (Interest is calculated at the rate of 1% per month from April 30th of the tax year through the month of removal):

No. of Years	Tax Year	Market Value (1)	Current Use Value (2)	Difference 1 - 2 (3)	Levy Rate (4)	Additional Tax Due 3 & 4 (5)
1	2004	25,000	225	24,775	11.03330	273.34
2	2003	20,000	225	19,775	11.96993	236.72
3	2002	20,000	225	19,775	12.17064	240.66
4	2001	20,000	225	19,775	12.34040	244.02
5	2000	20,000	225	19,775	12.35489	244.32
6	1999	10,000	225	9,775	12.81314	125.26
7	1998	10,000	225	9,775	12.47122	121.92

No. of Years	Additional Tax Due 3 x 4 (5)	Interest @ 1% Per Month From April 30 (6)	Total Interest 5 x 6 (7)	Total Tax and Interest 5 + 6 (8)
1	273.34	13	35.52	\$ 308.86
2	236.72	25	59.18	\$ 295.90
3	240.66	37	89.04	\$ 329.70
4	244.02	49	119.58	\$ 363.60
5	244.32	61	149.04	\$ 393.36
6	125.26	73	91.44	\$ 216.70
7	121.92	85	103.62	\$ 225.54



4. Total Prior Year's Tax and Interest (Total of entries in Item 3, Column 8) = \$ 2,133.66
5. 20% Penalty (applicable only when classification is removed because of a change in use or owner has not complied with withdrawal procedure) = \$ **WAIVED**
6. Total additional tax (prior year's tax, interest, and penalty, Items 4 plus 5) = \$ 2,133.66
7. Prorated tax and interest for current year (Items 1c and 2) = \$ 90.46
8. Total additional tax, interest, and penalty (Items 6 plus 7) (Payable in full 30 days after the date the treasurer's statement is received). = \$ 2,224.12

**RECORDING FEES:**

**\$ 22.00**

**9. Calculation of Tax for Remainder of Current Year.**

Proration Factor:

	243	÷	365	=	.66575
	No. of days remaining after removal		No. of days in year		
a.	\$ 25,000	X	10.81442	X	.66575
	Market Value		Levy Rate		Proration Factor
					= \$ 179.98
b.	\$ 225	X	10.81442	X	.66575
	Current Use Value		Levy Rate		Proration Factor
					= \$ 1.60
c.	Amount of tax due for remainder of current year (9a minus 9b) .....				= \$ 178.38
d.	Taxes are payable on regular due date and may be paid in half payments under provisions of RCW 84.56.020.				

**TOTAL COMPENSATING TAX DUE:**

**\$2,424.50**



**AFTER RECORDING MAIL TO:**

Name: Norris Short  
Address: 1582 Center Road  
City/State: Chimacum WA 98325

**Boundary Line Adjustment**

Grantor(s): Valley View N+L Family Trust  
Norris W. Short, Trustee

- 1.
2. Valley View, 2005

**Grantee(s):**

1. Roger Dean Short
2. Sandy S.G. Short

Legal Description: Parcels involved in the adjustment are currently legally described as follows (include Assessor's Property Tax Parcel Account Numbers):

Parcel A: 901  
Parcel B: 01

TPN: 2005  
901 233 002 (see attached)  
TPN: 2005  
901 233 005

Parcel C:

Parcel D:

Boundary line subject to adjustment described as follows (new legal description):

see attached Exhibit B  
2005/11/4

Richard J. Smith

The nature of the adjustment is described as follows:

Incorporate 1 acre from Parcel A into Parcel B by  
moving common boundary line



STATEMENT OF INTENT:

This recording is for the purpose of assisting with a boundary line adjustment pursuant to RCW 58.17.040(6). It does not create any additional lots, tracts, parcels, or division as the land described herein shall merge or be integrated into abutting property presently owned by the proponent. Nor does the boundary line adjustment result in any lots, tracts, parcels, or division which contain insufficient area and dimension to meet minimum County and sanitation requirements for width and area for a building site.

Norris W. Short - Trustee  
(Proponents' signature)

STATE OF WASHINGTON  
COUNTY OF

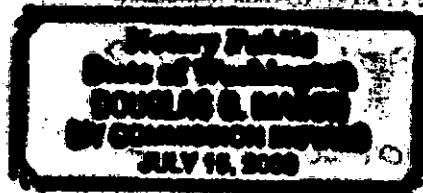
On March 2, 2005, personally

appeared Norris W. Short and proved to me on the basis of satisfactory evidence to the person whose name is subscribed to this instrument, and acknowledged that he executed it.

WITNESS my hand and official seal this 2<sup>nd</sup> day of

March, 2005.

Notary Public, in and for the State of Washington.



Residing at Port Townsend

This boundary line adjustment has been reviewed and approved by the  
Jefferson County Development Review Division.

M. W. Chris J. J. J. J.  
Associate Planner

4/11/2005  
Date



## EXHIBIT A

### Parcel A

The South half of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W. M, West of Center Road, except that portion between the center line of Chimacum Creek and Center Road, South of the line which lies 500' South of the 1/16<sup>th</sup> section line on the North side of the South half of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W.M.

### Parcel B

The South half of the Northeast quarter of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W.M., West of Center Road, except that portion described in document recorded under Auditor's No. 242544 and except that portion described in Auditor's No. 460417, records of Jefferson County, Washington.

END EXHIBIT A



## EXHIBIT B

### Parcel A

The South half of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W. M., West of Center Road, except that portion between the center line of Chimacum Creek and County Road No. 18, South of the line which lies 500' South of the 1/16<sup>th</sup> section line on the North side of the South half of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W.M., and except that portion beginning at the intersection of the Westerly margin of the right-of-way for Center Road, as conveyed by instrument recorded under Auditor's No. 265125, records of Jefferson County, Washington, and the North line of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W. M.; thence in a Southwesterly direction along the Westerly margin of the said right-of-way for Center Road, a distance of 210 feet; thence West along a line that is parallel to the North line of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W. M., a distance of 210 feet; thence in a Northeasterly direction along a line that is parallel to the Westerly margin of the said right-of-way for Center Road to the North line of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W. M.; thence East along the North line of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W. M., to the intersection of the Westerly margin of the said right-of-way for Center Road.

### Parcel B

The South half of the Northeast quarter of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W.M., West of Center Road, except that portion described in document recorded under Auditor's No. 242544 and except that portion described in Auditor's No. 460417, records of Jefferson County, Washington;

Together with that portion of the South half of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W.M., described as follows:

Beginning at the intersection of the Westerly margin of the right-of-way for Center Road, as conveyed by instrument recorded under Auditor's No. 265125, records of Jefferson County, Washington, and the North line of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W. M.; thence in a Southwesterly direction along the Westerly margin of the right-of-way for Center Road a distance of 210 feet; thence West along a line that is parallel to the North line of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W. M., a distance of 210 feet; thence in a Northeasterly direction along a line that is parallel to the Westerly margin of the right-of-way for Center Road to the North line of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W. M.; thence East along the North line of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W. M., to the intersection of the Westerly margin of the right-of-way for Center Road.

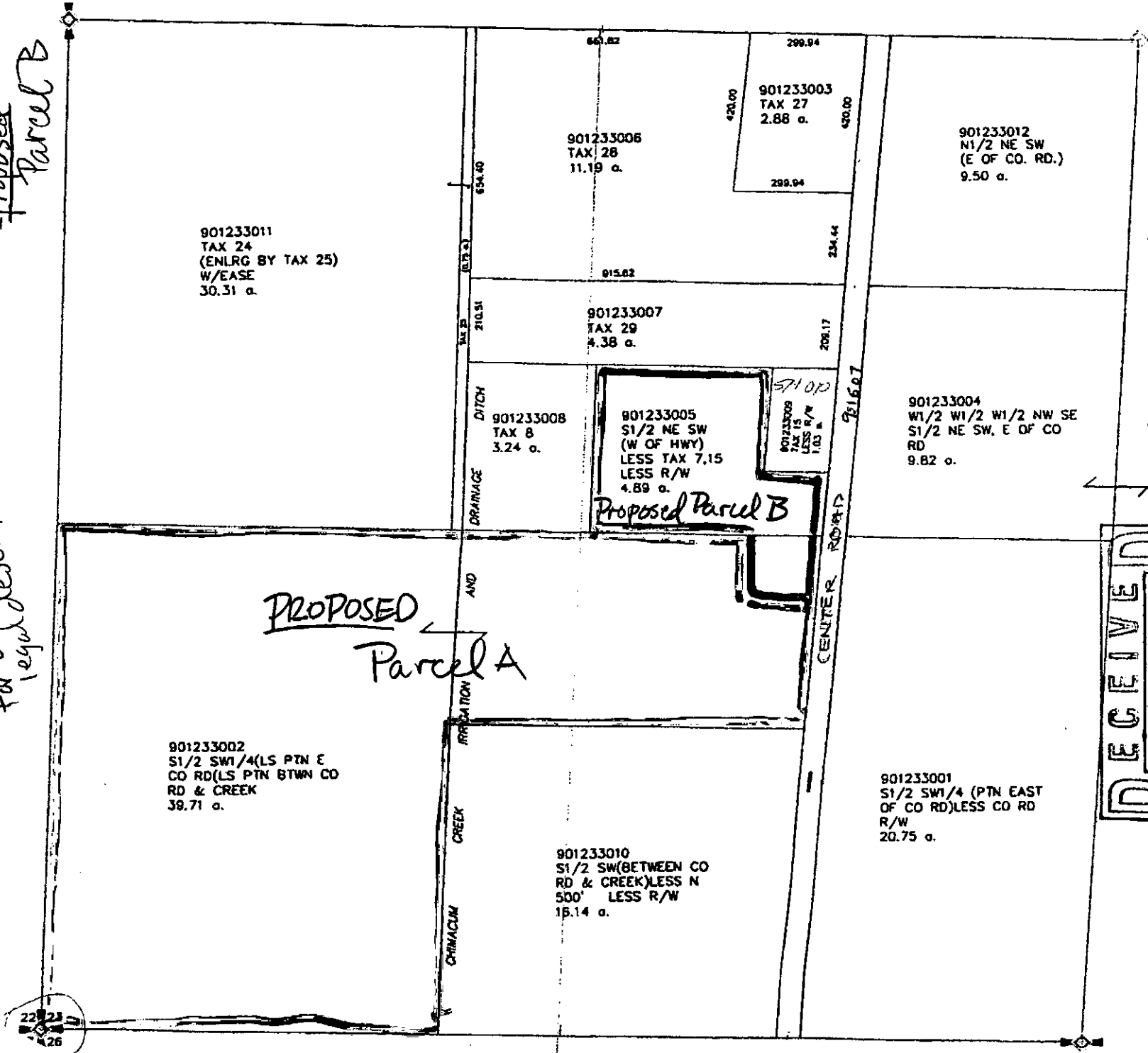
END EXHIBIT B



☐ ~~Proposed~~  
Parcel A

☒ ~~Proposed~~  
Parcel B

See attached  
Exhibit B  
for written description  
legal description



901233011  
TAX 24  
(ENLARG BY TAX 25)  
W/EASE  
30.31 a.

901233006  
TAX 28  
11.19 a.

901233003  
TAX 27  
2.88 a.

901233012  
N1/2 NE SW  
(E OF CO. RD.)  
9.50 a.

901233007  
TAX 29  
4.38 a.

901233008  
TAX 8  
3.24 a.

901233005  
S1/2 NE SW  
(W OF HWY)  
LESS TAX 7.15  
LESS R/W  
4.89 a.

901233009  
TAX 15  
LESS R/W  
1.03 a.

901233004  
W1/2 W1/2 NW SE  
S1/2 NE SW, E OF CO  
RD  
9.82 a.

901233002  
S1/2 SW1/4 (LS PTN E  
CO RD (LS PTN BTWN CO  
RD & CREEK  
39.71 a.

901233010  
S1/2 SW (BETWEEN CO  
RD & CREEK) LESS N  
500' LESS R/W  
16.14 a.

901233001  
S1/2 SW1/4 (PTN EAST  
OF CO RD) LESS CO RD  
R/W  
20.75 a.

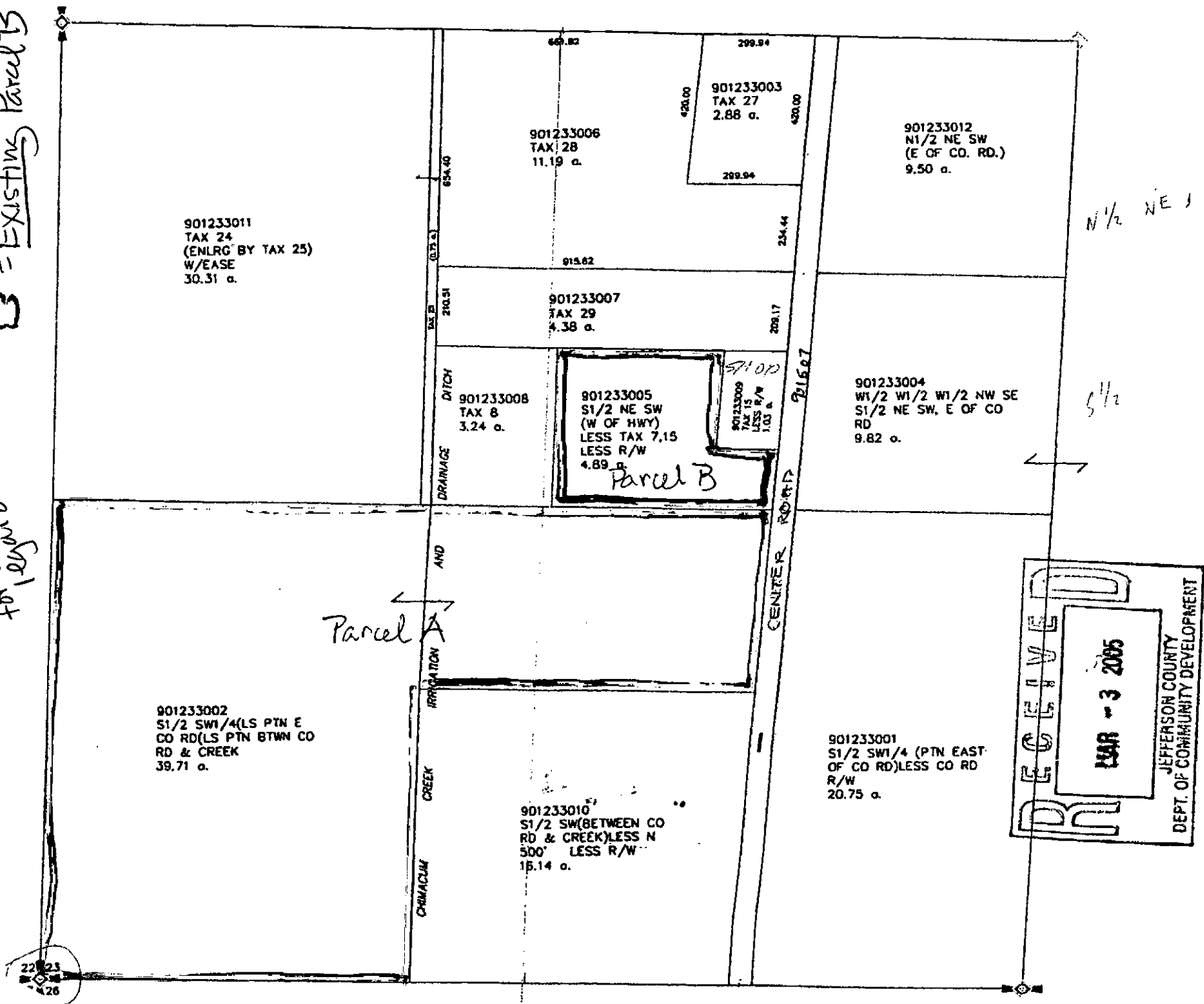
RECEIVED  
MAR - 3 2005  
JEFFERSON COUNTY  
DEPT. OF COMMUNITY DEVELOPMENT



See attached  
Exhibit A  
for written description

Existing Parcel A

$\mathcal{B} = \text{Existing Parcel B}$





**AFTER RECORDING MAIL TO:**

Name: Norris Short

Address: 1582 Center Rd

City/State: Chimacum Wa 98325

**Boundary Line Adjustment**

Grantor(s): 1/10, 1/10 NRE Family Trust

1. Norris W. Short, Trustee

2.

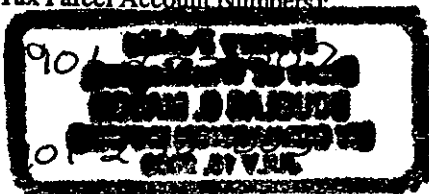
Grantee(s):

1. Roger Dean Short

2. Sandy S.G. Short

Legal Description: Parcels involved in the adjustment are currently legally described as follows (include Assessor's Property Tax Parcel Account Numbers):

Parcel A:



TPM:

901 233 002

(see attached  
Exhibit A)

Parcel B:

012

TPM:

901 233 005

Parcel C:

Parcel D:

Boundary line subject to adjustment described as follows (new legal description):

see attached Exhibit B

The nature of the adjustment is described as follows:

Incorporate 1 acre from Parcel A into Parcel B by  
creating common boundary line



STATEMENT OF INTENT:

This recording is for the purpose of assisting with a boundary line adjustment pursuant to RCW 58.17.040(6). It does not create any additional lots, tracts, parcels, or division as the land described herein shall merge or be integrated into abutting property presently owned by the proponent. Nor does the boundary line adjustment result in any lots, tracts, parcels, or division which contain insufficient area and dimension to meet minimum County and sanitation requirements for width and area for a building site.

Norris Wilhoit - Trustee  
(Proponents' signature)

STATE OF WASHINGTON  
COUNTY OF

On March 2, 2005, personally

appeared Norris W. Short and proved to me on the basis of satisfactory evidence to the person whose name is subscribed to this instrument, and acknowledged that he executed it.

WITNESS my hand and official seal this 2<sup>nd</sup> day of

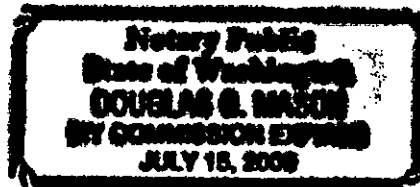
March, 2005.

Notary Public in and for the State of Washington,

[Signature]

Residing at

Port Townsend



This boundary line adjustment has been reviewed and approved by the Jefferson County Development Review Division.

[Signature]

Associate Planner

4/11/2005

Date



## EXHIBIT A

### Parcel A

The South half of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W. M, West of Center Road, except that portion between the center line of Chimacum Creek and Center Road, South of the line which lies 500' South of the 1/16<sup>th</sup> section line on the North side of the South half of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W.M.

### Parcel B

The South half of the Northeast quarter of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W.M., West of Center Road, except that portion described in document recorded under Auditor's No. 242544 and except that portion described in Auditor's No. 460417, records of Jefferson County, Washington.

END EXHIBIT A



## EXHIBIT B

### Parcel A

The South half of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W. M., West of Center Road, except that portion between the center line of Chimacum Creek and County Road No. 18, South of the line which lies 500' South of the 1/16<sup>th</sup> section line on the North side of the South half of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W.M., and except that portion beginning at the intersection of the Westerly margin of the right-of-way for Center Road, as conveyed by instrument recorded under Auditor's No. 265125, records of Jefferson County, Washington, and the North line of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W. M.; thence in a Southwesterly direction along the Westerly margin of the said right-of-way for Center Road, a distance of 210 feet; thence West along a line that is parallel to the North line of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W. M., a distance of 210 feet; thence in a Northeasterly direction along a line that is parallel to the Westerly margin of the said right-of-way for Center Road to the North line of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W. M.; thence East along the North line of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W. M., to the intersection of the Westerly margin of the said right-of-way for Center Road.

### Parcel B

The South half of the Northeast quarter of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W.M., West of Center Road, except that portion described in document recorded under Auditor's No. 242544 and except that portion described in Auditor's No. 460417, records of Jefferson County, Washington;

Together with that portion of the South half of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W.M., described as follows:

Beginning at the intersection of the Westerly margin of the right-of-way for Center Road, as conveyed by instrument recorded under Auditor's No. 265125, records of Jefferson County, Washington, and the North line of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W. M.; thence in a Southwesterly direction along the Westerly margin of the right-of-way for Center Road a distance of 210 feet; thence West along a line that is parallel to the North line of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W. M., a distance of 210 feet; thence in a Northeasterly direction along a line that is parallel to the Westerly margin of the right-of-way for Center Road to the North line of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W. M.; thence East along the North line of the Southwest quarter of Section 23, Township 29 North, Range 1 West, W. M., to the intersection of the Westerly margin of the right-of-way for Center Road.

END EXHIBIT B



When Recorded Return to:  
Jefferson County Assessor

**NOTICE OF REMOVAL OF CURRENT USE CLASSIFICATION  
AND ADDITIONAL TAX CALCULATIONS  
CHAPTER 84.34 RCW  
JEFFERSON COUNTY**

Grantor(s): Jefferson County Assessor

Grantee(s): Valley View N&L Family Trust UND INT, S/W McIntire, L/J Leigh, G/J Short and N/K Bemis

Legal Description: Section 23 Township 29N Range 1 West  
One Acre homesite within the S1/2 SW1/4(Less portion East of County Road and less portion  
Between County Road and Creek

Assessor's Property Tax Parcel or Account Number: 901233002-ptn

Reference Numbers of Documents Assigned or Released: 386142 V538/P870

You are hereby notified that the current use classification for the above described property which has been classified as:

- ☐ Open Space Land  
☐ Timber Land  
☒ Farm and Agricultural Land

is being removed for the following reason:

- ☐ Owner's request  
☐ Property no longer qualifies under CH. 84.34 RCW  
☐ Change to a use resulting in disqualification  
☐ Exempt Owner  
☐ Notice of Continuance not signed  
☒ Other Result of transferring 1ac hmste through a BLA  
(state specific reason)



## PENALTY AND APPEAL

The property owner may appeal the assessor's removal of classification to the County Board of Equalization. Said Board may be reconvened to consider the appeal. The appeal must be filed within 30 calendar days following the date this notice is mailed.

Upon removal of classification from this property, an additional tax shall be imposed equal to the sum of the following:

1. The difference between the property tax that was levied upon the current use value and the tax that would have been levied upon the fair market value for the seven tax years preceding removal in addition to the portion of the tax year when the removal takes place; plus
2. Interest at the statutory rate charged on delinquent property taxes specified in RCW 84.56.020 from April 30 of the year the tax would have been paid without penalty to the date of removal; plus
3. A penalty of 20% added to the total amount computed in 1 and 2 above, **except** when the property owner complies with the withdrawal procedure specified in RCW 84.34.070, or where the additional tax is not applied as provided in 4 (below).
4. The additional tax specified in 1 and 2 (above) **shall not** be imposed if removal of classification resulted solely from:
  - a) Transfer to a government entity in exchange for other land located within the State of Washington; or
  - b) A taking through the exercise of the power of eminent domain, or sale or transfer to an entity having the power of eminent domain in anticipation of the exercise of such power; or
  - c) A natural disaster such as a flood, windstorm, earthquake, or other such calamity rather than by virtue of the act of the landowner changing the use of such property; or
  - d) Official action by an agency of the State of Washington or by the county or city where the land is located disallowing the present use of such land; or
  - e) Transfer of land to a church when such land would qualify for exemption pursuant to RCW 84.36.020.
  - f) Acquisition of property interests by State agencies or organizations qualified under RCW 84.34.210 and 64.04.130 (see RCW 84.34.108(5)(f)).
  - g) Removal of land classified as farm and agricultural land under RCW 84.34.020(2)(d) (farm homesite value).



County Assessor or Deputy Sherrie Shold, Property Operations

April 8, 2005

Date



## CURRENT USE ASSESSMENT ADDITIONAL TAX STATEMENT

RCW 84.34.108(3)...The assessor shall revalue the affected land with reference to the full market value on the date of removal of classification. Both the assessed valuation before and after removal of classification shall be listed and taxes shall be allocated according to that part of the year to which each assessed valuation applies. . .

NOTE: No 20% penalty is due on the current year tax.

Parcel No.: 901233002 Date of Removal: May 2, 2005

### 1. Calculation of Current Year's Taxes to Date of Removal

	<u>122</u>		<u>365</u>		<u>.33425</u>	
	No. of days in Current Use		No. of days in year		Proration Factor	(To items 1a and 1b)
a.	\$ 25,000	X	10.81442	X	.33425	= \$ 90.38
	Market Value		Levy Rate		Proration Factor	
b.	\$ 225	X	10.81442	X	.33425	= \$ .82
	Current Use Value		Levy Rate		Proration Factor	
c.	Amount of additional tax for current year (subtract 1b from 1a).....					= \$ 89.56

### 2. Calculation of Current Year Interest (Interest is calculated from April 30th at 1% per month through the month of removal)

<u>89.56</u>	x	<u>1%</u>	=	<u>\$ .90</u>
Amount of tax from 1c		Interest Rate		

### 3. Calculation of Prior Year's Tax and Interest (Interest is calculated at the rate of 1% per month from April 30th of the tax year through the month of removal):

No. of Years	Tax Year	Market Value (1)	Current Use Value (2)	Difference 1 - 2 (3)	Levy Rate (4)	Additional Tax Due 3 x 4 (5)
1	2004	25,000	225	24,775	11.03330	273.34
2	2003	20,000	225	19,775	11.96993	236.72
3	2002	20,000	225	19,775	12.17064	240.66
4	2001	20,000	225	19,775	12.34040	244.02
5	2000	20,000	225	19,775	12.35489	244.32
6	1999	10,000	225	9,775	12.81314	125.26
7	1998	10,000	225	9,775	12.47122	121.92

No. of Years	Additional Tax Due 3 x 4 (5)	Interest @ 1% Per Month From April 30 (6)	Total Interest 5 x 6 (7)	Total Tax and Interest 5 + 7 (8)
1	273.34	13	35.52	\$ 308.86
2	236.72	25	59.18	\$ 295.90
3	240.66	37	89.04	\$ 329.70
4	244.02	49	119.58	\$ 363.60
5	244.32	61	149.04	\$ 393.36
6	125.26	73	91.44	\$ 216.70
7	121.92	85	103.62	\$ 225.54



4. Total Prior Year's Tax and Interest (Total of entries in Item 3, Column 8) = \$ 2,133.66
5. 20% Penalty (applicable only when classification is removed because of a change in use or owner has not complied with withdrawal procedure) = \$ WAIVED
6. Total additional tax (prior year's tax, interest, and penalty, Items 4 plus 5) = \$ 2,133.66
7. Prorated tax and interest for current year (Items 1c and 2) = \$ 90.46
8. Total additional tax, interest, and penalty (Items 6 plus 7) (Payable in full 30 days after the date the treasurer's statement is received). = \$ 2,224.12

### RECORDING FEES:

\$ 22.00

### 9. Calculation of Tax for Remainder of Current Year.

Proration Factor:

		243	÷	365	=	.66575
		No. of days remaining after removal		No. of days in year		
a.	\$ 25,000	X	10.81442	X	.66575	= \$ 179.98
	Market Value		Levy Rate		Proration Factor	
b.	\$ 225	X	10.81442	X	.66575	= \$ 1.60
	Current Use Value		Levy Rate		Proration Factor	
c.	Amount of tax due for remainder of current year (9a minus 9b) .....					= \$ 178.38
d.	Taxes are payable on regular due date and may be paid in half payments under provisions of RCW 84.56.020.					

**TOTAL COMPENSATING TAX DUE:**

**\$2,424.50**



Jefferson County



Assessor's Office

THE HEART OF THE

OLYMPIC PENINSULA

P.O. Box 1220, Port Townsend, WA 98368

Jack Westerman III, Assessor

RECEIVED

APR 11 2005

JEFFERSON COUNTY DCD

**M E M O**

**TO:** Mo-ehi Lindblad, DCD

**FROM:** Sherrie Shold, Jefferson County Assessor's Office *Sherrie*

**DATE:** April 8, 2005

**RE:** Short MLA05-00131

**Message:**

Mo-ehi,

I have no objections to this BLA but I do have a requirement. The one-acre being transferred from Parcel A to Parcel B will need to be removed from the Open Space Agricultural program. Compensating Tax form attached.

Additionally, I assume from speaking with Roger a couple of months ago, those acres classified as Open Space Agricultural within Parcel B will continue to be used as Ag lands as well as the area proposed for the Conservation Easement.

Pat has reviewed this as well and has no comments.

If you should have any questions, please do not hesitate to contact our office.



RECEIVED

MAR 29 2005

JEFFERSON COUNTY DCD

Roger + Sandy Short

1720 Center Rd

Chimacum Wa 98325

March 26, 05

To: Those involved with Roger +  
Sandy Short's Proposed Thrumpter  
Swan Conservation easement

I've put this letter off  
for almost 6 months. It has  
been over 5 years since I started  
seriously looking into options to  
help the farm stay economically  
viable. We have considered many  
different conservation easements.

Thrumpter Swan being the only  
reasonable offer. I do not like  
to work at government snail pace.  
I need to get things done.

The real problem started  
Jan 12, 2004, with the official appraisal  
of the property. I've objected many  
times to its content. Sarah, Doug,  
~~and~~ Martha, and others have heard  
my objections. I will not cover



those in this letter.

The appraisal cover letter dated Jan. 12, 2004, in part states, "The appraisal must be made not earlier than 60 days before the date you contribute the property. In this case, the Conservation easement has not yet been formally grant deeded. It is specifically assumed that the deed will be granted within 60 days of the date of appraisal."

From this I assumed the deal would be done, closed and paid in 60 days (March 12, 2004). I ~~sp~~ spent over a hundred hours talking with family members about how the easement would work. I had to do a sales job. I made a deal with my Father Norris to have it all done by July 1, 2004. Failing is not my style.



I continue to pay \$1000<sup>00</sup> per month for farm rent. I will also have to pay an agreed 3% land value increase (\$5508 per year). So strictly on a simple cash basis for the 12 months since March 12, 2004 we've lost \$17508<sup>00</sup>.

Sandy pays the bills and she is                     . But the emotional stress is far greater. This has not helped our marriage.

I would like to make the following retroactive to March 12, 2004. But I will not. Doug and Sarah were notified over a month ago that delays are costing dollars that the farm cannot sustain.

If the proposed conservation easement is not paid for in full by April 1, 2005, the deal is off.

It could be reconsidered with the following conditions.

1. A new appraisal chosen by Roger, Sandy and a real estate agent of their choice.



2. Pay back rent of \$1000<sup>00</sup> per month start July 1, 2004.

3. Pay the 3% per year land value increase starting July 1, 2004

The Thrumpter Swan Easement has been our #1 option choice because it fits with who we are. But there are other options.

Sincerely

Roger Short ~~Gandy~~ Gandy

cc Martha Jordan

Jefferson Land Trust

Doug Mason

Sarah Spaeth

BOCC

Al Scaif

Fred Strickland

Al Latham





# JEFFERSON COUNTY DEPARTMENT OF COMMUNITY DEVELOPMENT

621 Sheridan Street  
Port Townsend, WA 98368

Al Scalf, Director

March 7, 2005

Dear Reviewer,

RE: MLA05-00131

*Sherrie / Pat, Assessor's office*

*- A survey will be submitted upon approval, per legal description.*

Jefferson County has forwarded the attached application to you for review and comment because your agency is responsible for determining compliance with state and federal requirements or may otherwise be affected by the following proposal:

## BOUNDARY LINE ADJUSTMENT

### Location:

Parcel Numbers 901 233 002 & 005 in Section 23, Township 29, Range 01 West, WM, Located at 1582 Center Rd, Chimacum, WA 98325

Comments must be received within fourteen (14) calendar days or by March 21, 2005. If no written response has been received within fourteen (14) days, your agency will be presumed to have no comments. If necessary, the UDC administrator may grant an extension of time for comment. Please contact M LINDBLAD at (360)379-4450 if you desire an extension of time or have additional questions regarding this proposal.

Thank you in advance for your attention to this matter.

Sincerely,

A handwritten signature in cursive script, appearing to read "M-Lindblad", is written over a horizontal line.

M LINDBLAD

C: ,





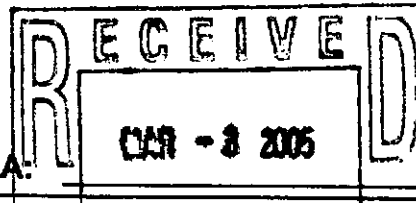
# JEFFERSON COUNTY

## DEPARTMENT OF COMMUNITY DEVELOPMENT

621 Sheridan Street • Port Townsend • Washington 98368

360/379-4450 • 360/379-4451 Fax

www.co.jefferson.wa.us/commdevelopment



### Master Permit Application

MLA:

Project Description (include separate sheets as necessary):

move 1 A and house from 901233002 into 901233005

JEFFERSON COUNTY

DEPT. OF COMMUNITY DEVELOPMENT

Tax Parcel Number: 901 233 002

Property Size: 39.4 A

901 233 005

Size: 4.7 A

(acres/square feet)

Site Address and/or Directions to Property: 1582 Center Rd Chimacum Wa 98325

Property Owner(s) of Record: Valley View N+L Family Trust

Telephone: 360 732 4783

Fax:

email:

Mailing Address:

Applicant/Agent (if different from owner): Roger Short

Telephone: 360 732 4601 360 732 7255

email:

Rshort@olympen

Mailing Address: 1720 Center Rd Chimacum Wa 98325

What kind of Permit? (Check each box that applies)

☐ Building

☐ Demolition Permit

☐ Single Family

☐ Garage Attached / Detached

☐ Manufactured Home

☐ Modular

☐ Commercial \*

☐ Change of Use

☐ Address

☐ Road Approach

☐ Propane

☐ Allowed "Yes" Use Consistency Analysis

☐ Stormwater Management

☐ Site Plan Approval Advance Determination (SPAAD) \*

☐ Temporary Use

☐ Wireless Telecommunication \*

☐ Forest Practices Act/Release of Six-Year Moratorium

\* May require a Pre-Application Conference

☐ Variance (Minor, Major or Reasonable Economic Use)

☐ Conditional Use [C(a), C(d), or C] \*\*

☐ Discretionary "D" or Unnamed Use Classification

☐ Special Use (Essential Public Facilities) \*\*

☒ Boundary Line Adjustment

☐ Short Plat \*\*

☐ Binding Site Plan \*\*

☐ Long Plat \*\*

☐ Planned Rural Residential Development (PRRD)/Amendments \*\*

☐ Plat Vacation/Alteration \*\*

☐ Shoreline Master Program Exemption/Permit Revisions \*\*

☐ Shoreline Management Substantial Development \*\*

☐ Shoreline Management Variance

☐ Comprehensive Plan/UDC/Land Use District Map Amendment

☐ Jefferson County Shoreline Master Program Amendment

\*\*Requires a Pre-Application Conference

Please identify any other local, state or federal permits required for this proposal, if known:

I hereby designate Roger Short

#### DESIGNATION OF AGENT

to act as my agent in matters relating to this application for permit(s).

OWNER SIGNATURE

Norris Short

Date: 1-14-05

By signing this application form, the owner/agent attests that the information provided herein, and in any attachments, is true and correct to the best of his, her or it's knowledge. Any material falsehood or any omission of a material fact made by the owner/agent with respect to this application packet may result in this permit being null and void.

I further agree to save, indemnify and hold harmless Jefferson County against all liabilities, judgments, court costs, reasonable attorney's fees and expenses which may in any way accrue against Jefferson County as a result of or in consequence of the granting of this permit.

I further agree to provide access and right of entry to Jefferson County and its employees, representatives or agents for the sole purpose of application review and any required later inspections. Access and right of entry to this property shall be requested and shall occur only during regular business hours.

Signature: Norris Short

Date: 1-14-05

The action or actions Applicant will undertake as a result of the issuance of this permit may negatively impact upon one or more threatened or endangered species and could lead to a potential "take" of an endangered species as those terms are defined in the federal law known as the "Endangered Species Act" or "ESA." Jefferson County makes no assurances to the applicant that the actions that will be undertaken because this permit has been issued will not violate the ESA. Any individual, group or agency can file a lawsuit on behalf of an endangered species regarding your action(s) even if you are in compliance with the Jefferson County development code. The Applicant acknowledges that he, she or it holds individual and non-transferable responsibility for adhering to and complying with the ESA. The Applicant has read this disclaimer and signs and dates it below.

Signature: Norris Short

Date: 1-14-05



# OWNER BUILDER STATEMENT

The signer of this statement does hereby certify that they are the Owners of the parcel referenced herein, that they are not licensed contractors and that they will be assuming the responsibility of the General Contractor for the proposed project.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

GENERAL CONTRACTOR OR MANUFACTURED HOME INSTALLER:		PHONE: ( )	FAX: ( )
MAILING ADDRESS:		EMAIL:	
CONTRACTOR'S LICENSE NUMBER:		WAINS NUMBER	
ARCHITECT/ENGINEER:		PHONE ( )	FAX ( )
MAILING ADDRESS:		EMAIL	

<b>Project Type:</b> <input type="checkbox"/> New <input type="checkbox"/> Addition <input type="checkbox"/> Alteration/Remodel <input type="checkbox"/> Repair <input type="checkbox"/> Demolition  <b>Type of Heat:</b> _____	<b>Frame Type:</b> <input type="checkbox"/> Wood <input type="checkbox"/> Steel <input type="checkbox"/> Concrete <input type="checkbox"/> Masonry <input type="checkbox"/> Other: _____	<b>Bathrooms:</b> Existing: _____ Proposed: _____ Total: _____  <b>Bedrooms:</b> Existing: _____ Proposed: _____ Total: _____	<b>Shoreline:</b> Bank Height: _____ Setback: _____	<b>Type of Sewage Disposal:</b> <input type="checkbox"/> Sewer <input type="checkbox"/> Community System <input type="checkbox"/> Individual System SEP Permit # _____ <b>Water Supply:</b> <input type="checkbox"/> Private well <input type="checkbox"/> Two Party <input type="checkbox"/> Public Name of System: _____
---	---	---	---	--

**If this is a Commercial Project you must answer the following:**  
 Number of Parking Spaces: **Current:** \_\_\_\_\_ **Proposed:** \_\_\_\_\_ **Number of ADA Parking Spaces:** \_\_\_\_\_  
 Number of occupants (includes owners, tenants, employees, etc) **Current** \_\_\_\_\_ **Proposed** \_\_\_\_\_  
 IBC Occupancy: \_\_\_\_\_ IBC Type of construction: \_\_\_\_\_ Will you have Food Service? **Yes / No**

**If this is a Propane Tank and/or Appliance Installation permit, mark all items below that apply:**  
☐ Underground Tank ☐ Above ground Tank **Size of Propane Tank:** \_\_\_\_\_  
☐ Heat Stove ☐ Cook Stove ☐ Woodstove ☐ Fireplace Insert ☐ Hot Water Tank ☐ Pellet Stove ☐ Other \_\_\_\_\_

**Is this appliance being installed in a Manufactured / Mobile Home?** Yes / No

**When applying for a permit to install a propane tank you must also submit a site plan showing all of the buildings, all property lines, tank location and size, distances from the propane tank to all property lines, buildings and septic system components, including the reserve area.**

	Square Footage		For Office Use Only	Amount
	Current	Proposed		
Main Floor			Consistency Review:	
2 <sup>ND</sup> Floor			Base fee:	
3 <sup>RD</sup> Floor			Additional Section:	
Mezzanine:			Plan Check fee:	
Heated Basement			State Surcharge fee:	
Unheated Basement			Pot Water Review fee:	
Other Unheated			911/Rd Approach fee:	
Garage/Carport			<b>TOTAL: \$</b>	
Decks			Receipt Number:	
Other			Cash/Check Number:	
<b>ESTIMATED COST (REQUIRED)</b> *Fair market value of all labor and materials foundation to finish			Date:	
			Initials:	





# JEFFERSON COUNTY

## DEPARTMENT OF COMMUNITY DEVELOPMENT

621 Sheridan Street • Port Townsend • Washington 98368  
360/379-4450 • 800/831-2678 • 360/379-4451 Fax

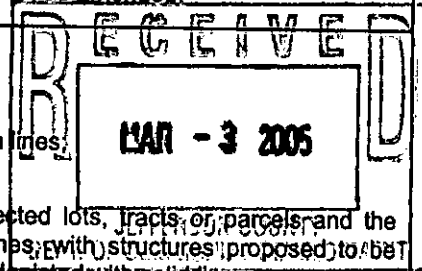
# 196 CD  
Survey  
8502  
Septic  
recording  
audit

### Boundary Line Adjustment (BLA) Supplemental Application

MLA # \_\_\_\_\_ PROJECT/APPLICANT NAME: Valley View N+L Family Trust

#### Submittal Requirements

- ☐ A completed Master Permit Application. Representative authorization is required if application is not signed by owner.
  - ☐ Boundary Line Adjustment application fee, as set forth in the Jefferson County Fee Ordinance, as amended.
  - ☐ Three copies of a clean and legible drawing suitable for recording showing the following:
    - a. The proposed lines for all affected lots, tracts, or parcels, indicated by bold solid lines;
    - b. The existing lot, tract or parcel lines proposed to be changed, indicated by light broken lines;
    - c. The intended future use of the adjusted lots, tracts or parcels;
    - d. The location and dimensions of all structures/improvements existing upon the affected lots, tracts or parcels and the distance between each such structure/improvement and the proposed boundary lines; with structures proposed to be removed from the site depicted with broken lines, and structures to remain on the site depicted with solid lines;
    - e. The original legal description of the entire property together with new separate legal descriptions for each lot, tract or parcel, labeling them each as existing parcel A, existing parcel B, revised parcel A, revised parcel B, etc.;
    - f. A north arrow indication and scale;
    - g. All assessor's tax parcel numbers for the affected lots, tracts or parcels;
    - h. The location of the property as to quarter/quarter section;
    - i. The location and dimensions of any easements within or adjacent to any affected lots, tracts or parcels;
    - j. The location, right-of-way widths, pavement widths and names of all existing or platted streets or roads, whether public or private, and other public ways within or adjacent to the affected lots, tracts or parcels;
    - k. The areas and dimensions of each lot, tract or parcel, following the proposed adjustment;
    - l. The existing, and if applicable, proposed future method of sewage disposal for each affected lot, tract or parcel, including the location and dimensions of and proposed septic drainfield;
    - m. The location of all existing and proposed water and storm drainage facilities; and
    - n. The approximate location and extent of any environmentally sensitive areas (ESAs), including any flood hazard areas lying within the existing or revised parcel boundaries. (Maps are available for review from the Department of Community Development.)
  - ☐ A copy of any Covenants, Conditions and Restrictions (CC&Rs), deed restrictions, or planned rural residential development (PRRD) agreements pertaining to or affecting the property.
  - ☐ If an individual septic system is proposed (i.e., as opposed to connection to either a community drainfield or municipal sewer system), written verification from the Jefferson County Department of Environmental Health that the lots, tracts, parcels or sites, as each would exist after the boundary line adjustment, are adequate to accommodate an on-site sewage disposal system.
1. Please provide a brief description of the purpose of the proposed boundary line adjustment.
- move 1 acre with Norris's house in 901 233 002 to parcel 901 233 005  
to facilitate transfer of 901 233 002 to Roger Short to facilitate  
establishing a conservation easement for Trumpeter Swan as  
part of mitigating the removal of the 2 Elwha river  
dams. Land can and will remain Ag.





2. Please provide Existing Legal Descriptions of all affected lots, tracts or parcels. (Attach additional sheets, if necessary.)

Parcel A: 901 233 ~~003~~ 002  
see attached Exhibit A

Parcel B: 901 233 005  
see attached Exhibit A

Parcel C: \_\_\_\_\_

Parcel D: \_\_\_\_\_

3. Please provide Proposed Legal Descriptions of all affected lots, tracts or parcels. (Attach additional sheets if necessary.)

Parcel A: 901 233 002  
see attached Exhibit B

Parcel B: 901 233 005  
see attached Exhibit B

Parcel C: \_\_\_\_\_

Parcel D: \_\_\_\_\_

4. All owners of the subject properties must sign the application below to signify agreement to the proposed boundary line adjustment.

The applicants hereby certify that all of the above statements are true and the plot plan provides an accurate representation of the proposed boundary line adjustment, and the applicants hereby acknowledge that any permit issued on this application may be revoked if any such statement is found to be false.

a. Norish Short, Trustee  
b. Roger Dean Short  
c. Emily H. Short  
d. \_\_\_\_\_

Date: 3-2-05

Date: 3-2-05

Date: 3-2-05

Date: \_\_\_\_\_





JEFFERSON COUNTY  
DEPARTMENT OF COMMUNITY DEVELOPMENT

621 Sheridan Street  
Port Townsend, WA 98368

*Al Scaff, Director*

March 7, 2005

ROGER SHORT  
1720 CENTER RD  
CHIMACUM WA 98325

RE: SITE ADDRESS: .....  
MLA #: MLA05-00131

Dear ROGER SHORT:

Jefferson County Department of Community Development staff have reviewed the application materials for the above project proposal and have determined that the application is substantially complete.

A copy of your application has been sent to the Assessor's office for review. They have fourteen (14) days to comment.

Additional information needed for project review may be requested in writing by the Director or Project Planner. Please call the Department of Community Development if you have any questions.

Sincerely,

A handwritten signature in dark ink, appearing to read "Doug Marm", is written over a horizontal line.

Department of Community Development Staff

c: File  
VALLEY VIEW N&L FAM TR UND INT SW MCINTIRE-LJ LEIGH 1582 CENTER RD  
CHIMACUM WA 983259711

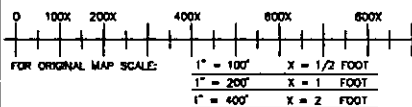
Doug Marm

*Kite*



JEFFERSON COUNTY ASSESSOR  
PARCEL MAP

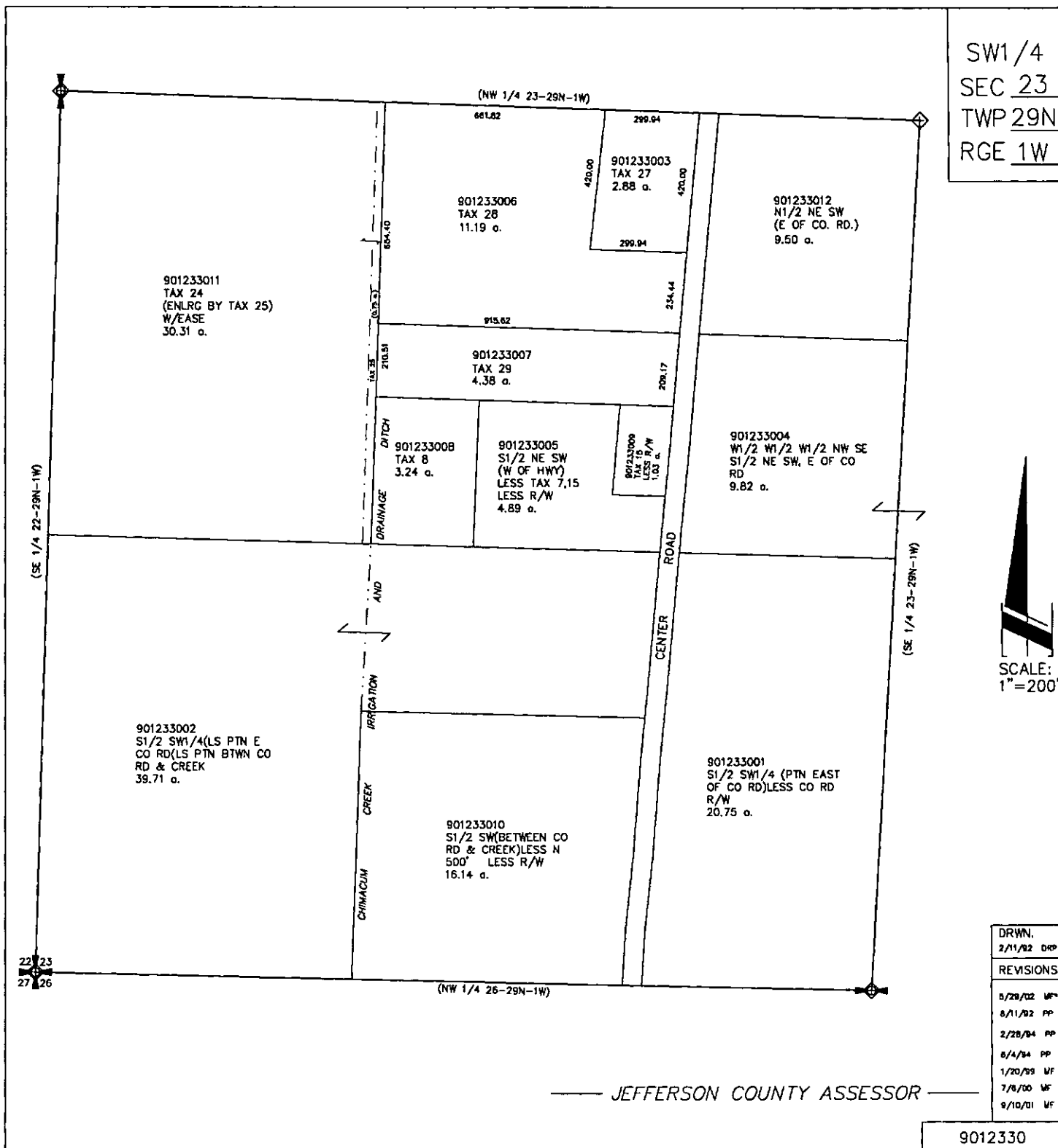
MAP SCALE GIVEN UNDER THE NORTH ARROW IS  
FOR THE ORIGINAL DRAWING ONLY.  
THIS COPY MAY BE A REDUCED OR ENLARGED  
REPRODUCTION.  
PLEASE REFER TO THE SCALE BELOW.



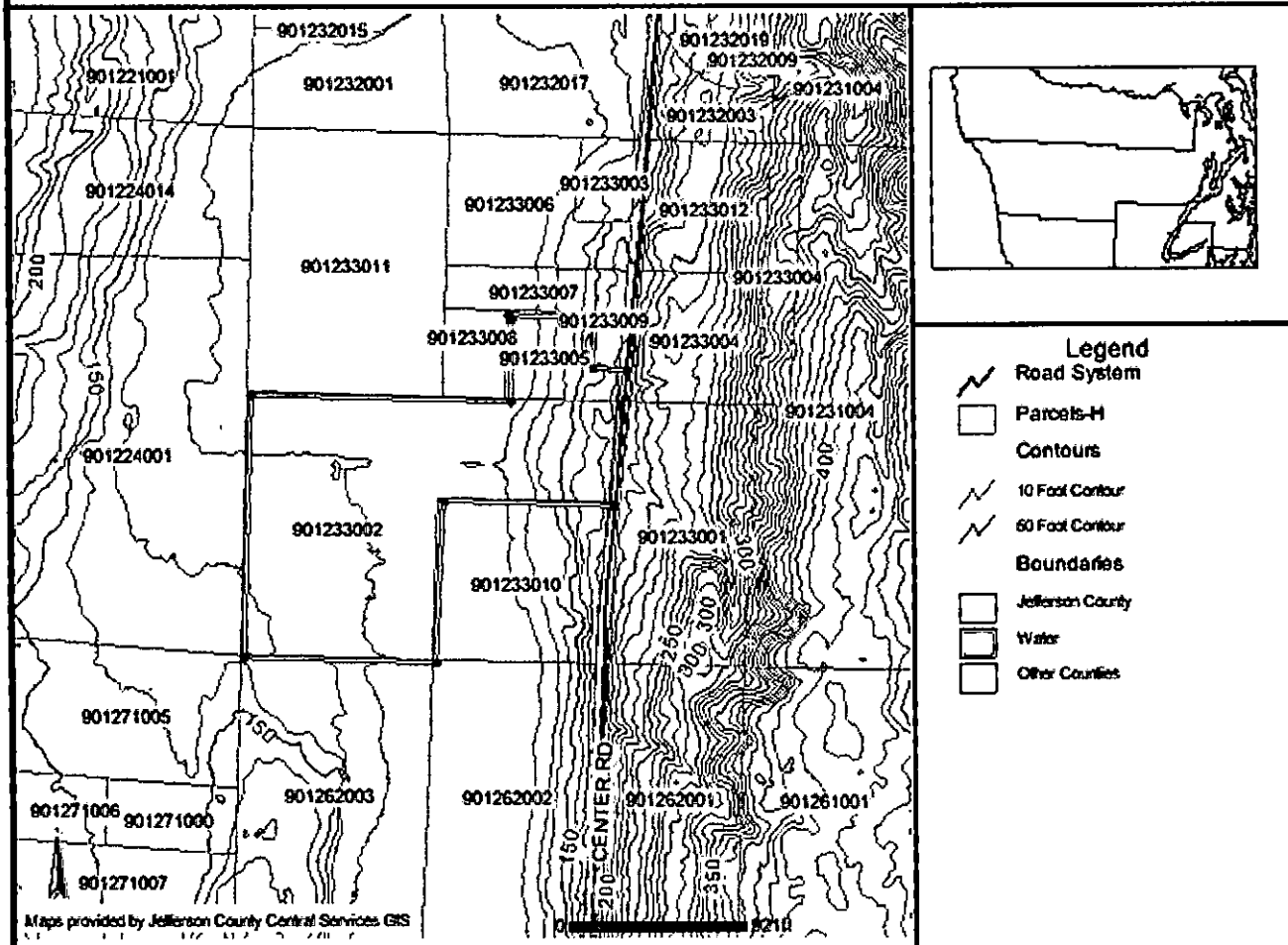
THE ASSESSOR DOES NOT IN ANY WAY GUARANTEE  
THE ACCURACY OF THE ACREAGE AND PARCEL BOUNDARIES  
DEPICTED ON THESE MAPS. PARCEL SIZE AND  
LOCATION IS BASED ON INFORMATION AVAILABLE,  
INCLUDING RECORDED SURVEYS, LEGAL DESCRIPTIONS,  
AERIAL PHOTOGRAPHS, AND VARIOUS GOVERNMENT  
SOURCES. WHERE THIS INFORMATION IS  
INSUFFICIENT, PARCEL BOUNDARY LOCATIONS  
ARE ESTIMATED.  
PARCEL MAPS ARE UPDATED FREQUENTLY. PLEASE  
CHECK WITH THE COUNTY ASSESSOR FOR THE  
LATEST REVISION.

FOR MORE INFORMATION, CONTACT:

JEFFERSON COUNTY ASSESSOR  
P.O. BOX 1220  
PORT TOWNSEND, WA. 98368



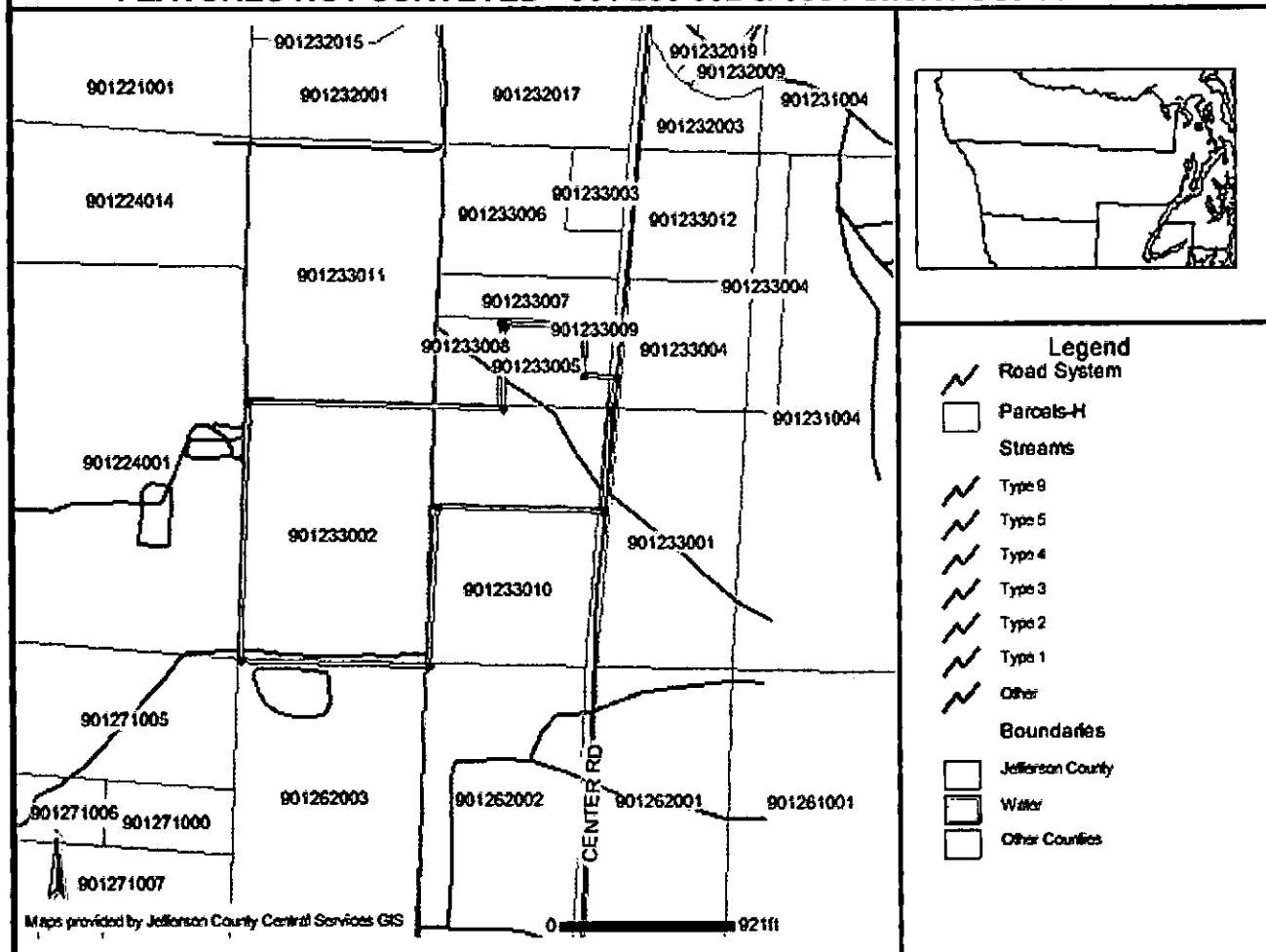


**FEATURES NOT SURVEYED - 901 233 002 & 005 / Short / SUB05-00012****FOR INFORMATIONAL PURPOSES ONLY-**

Jefferson County does not attest to the accuracy of the data contained herein and makes no warranty with respect to its correctness or validity. Data contained in this map is limited by the method and accuracy of its collection. Mon Mar 07 09:51:31 2005



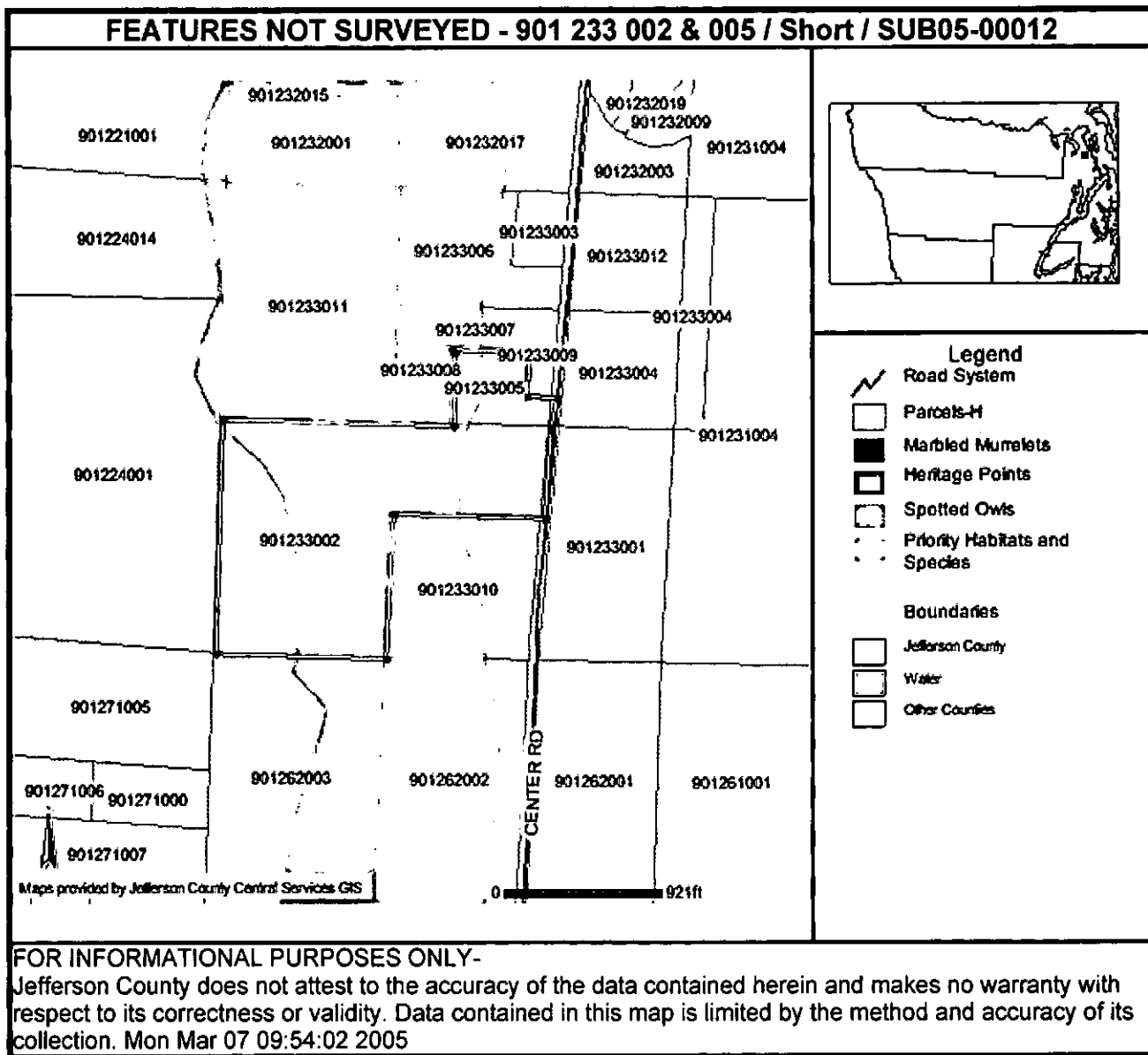
# FEATURES NOT SURVEYED - 901 233 002 & 005 / Short / SUB05-00012



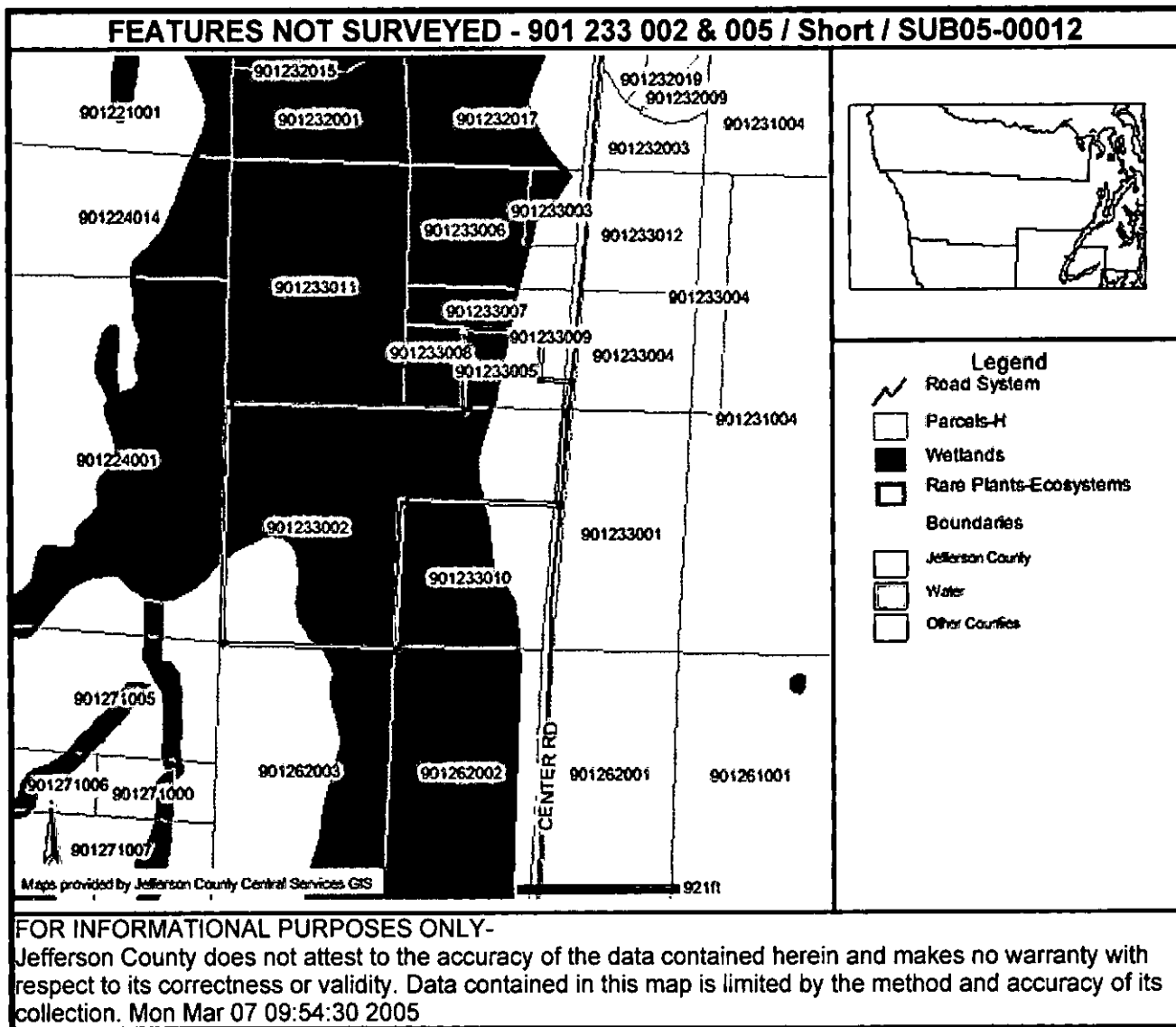
## FOR INFORMATIONAL PURPOSES ONLY-

Jefferson County does not attest to the accuracy of the data contained herein and makes no warranty with respect to its correctness or validity. Data contained in this map is limited by the method and accuracy of its collection. Mon Mar 07 09:53:06 2005

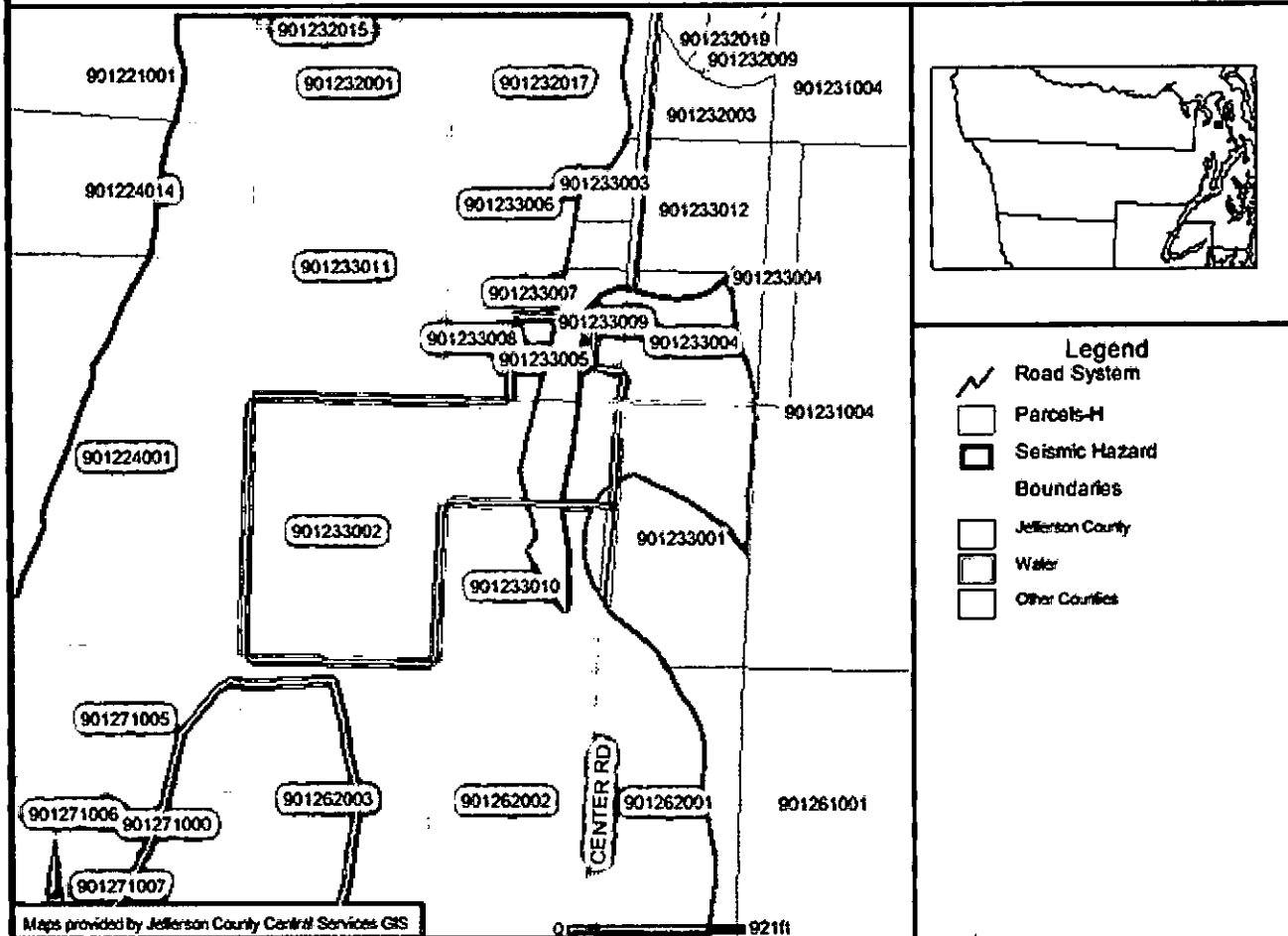






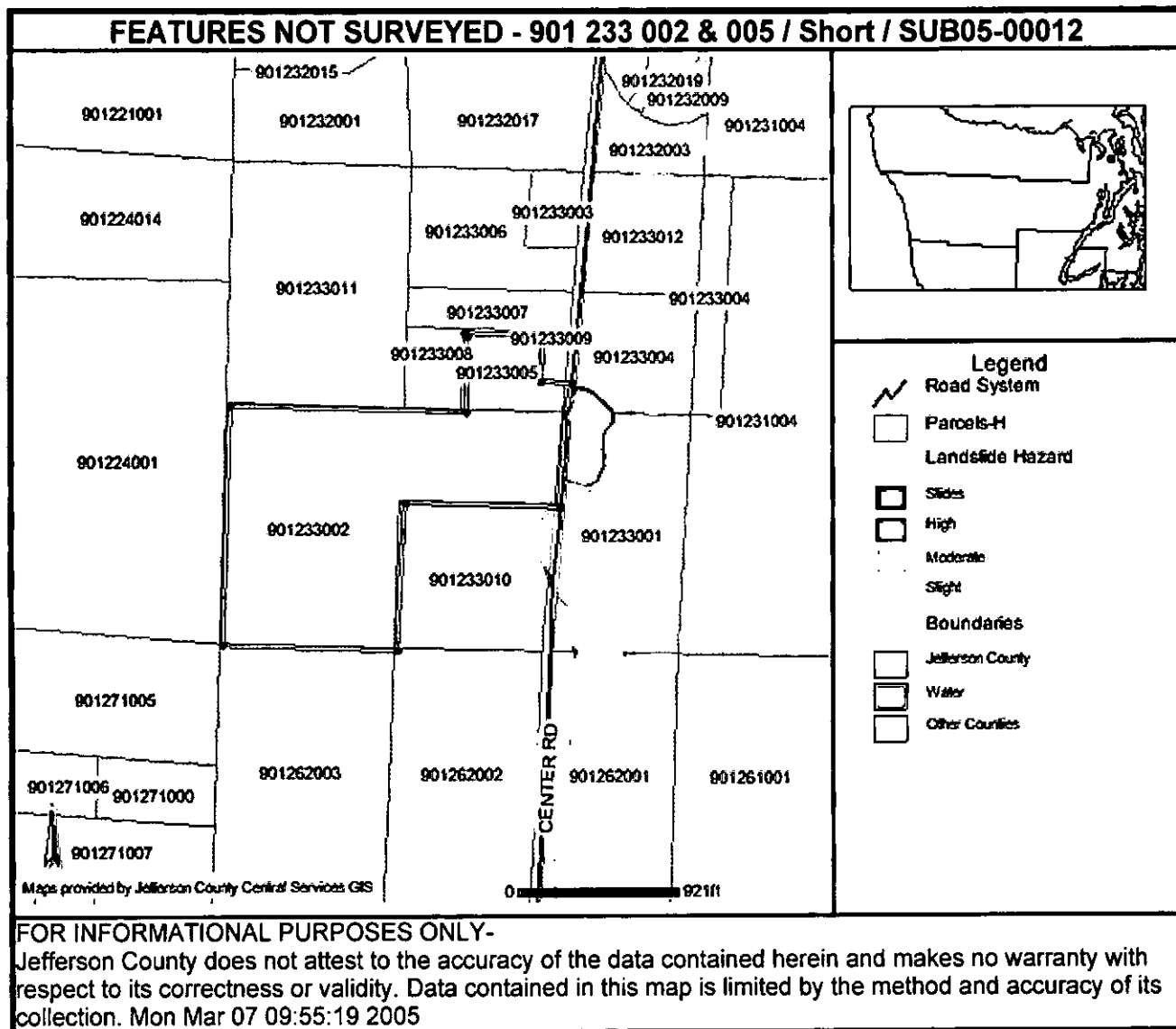




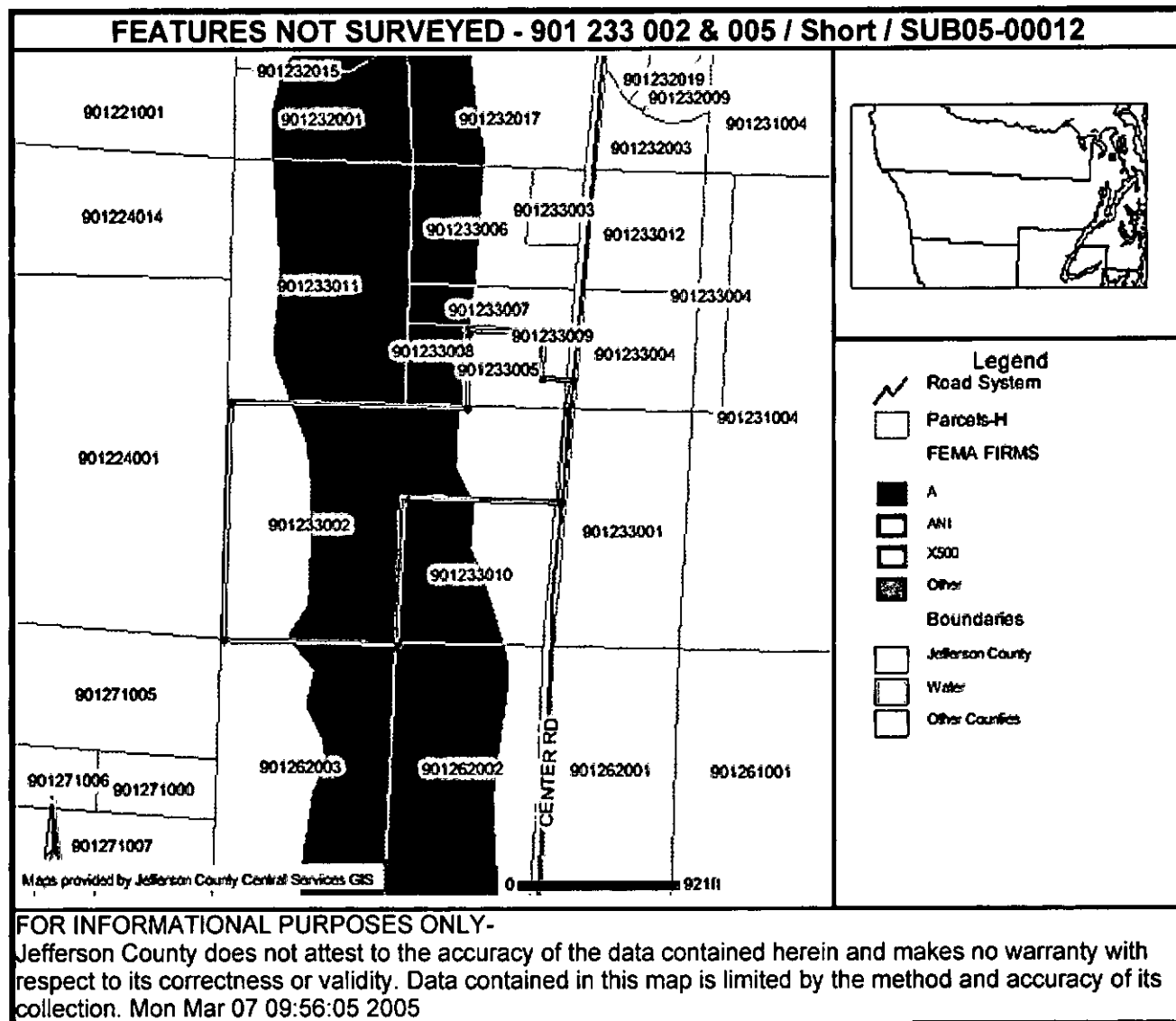
**FEATURES NOT SURVEYED - 901 233 002 & 005 / Short / SUB05-00012****FOR INFORMATIONAL PURPOSES ONLY-**

Jefferson County does not attest to the accuracy of the data contained herein and makes no warranty with respect to its correctness or validity. Data contained in this map is limited by the method and accuracy of its collection. Mon Mar 07 09:54:58 2005

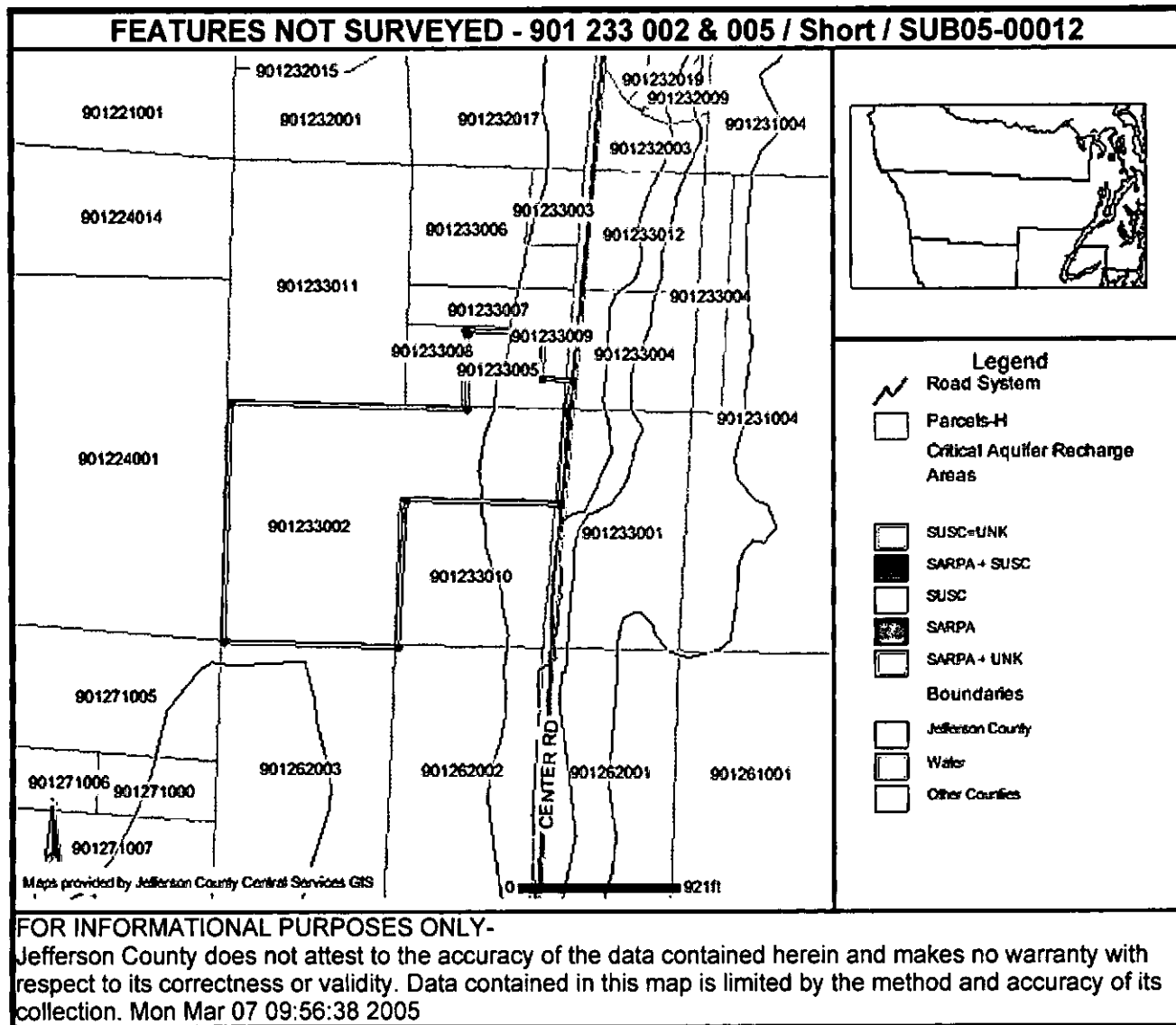




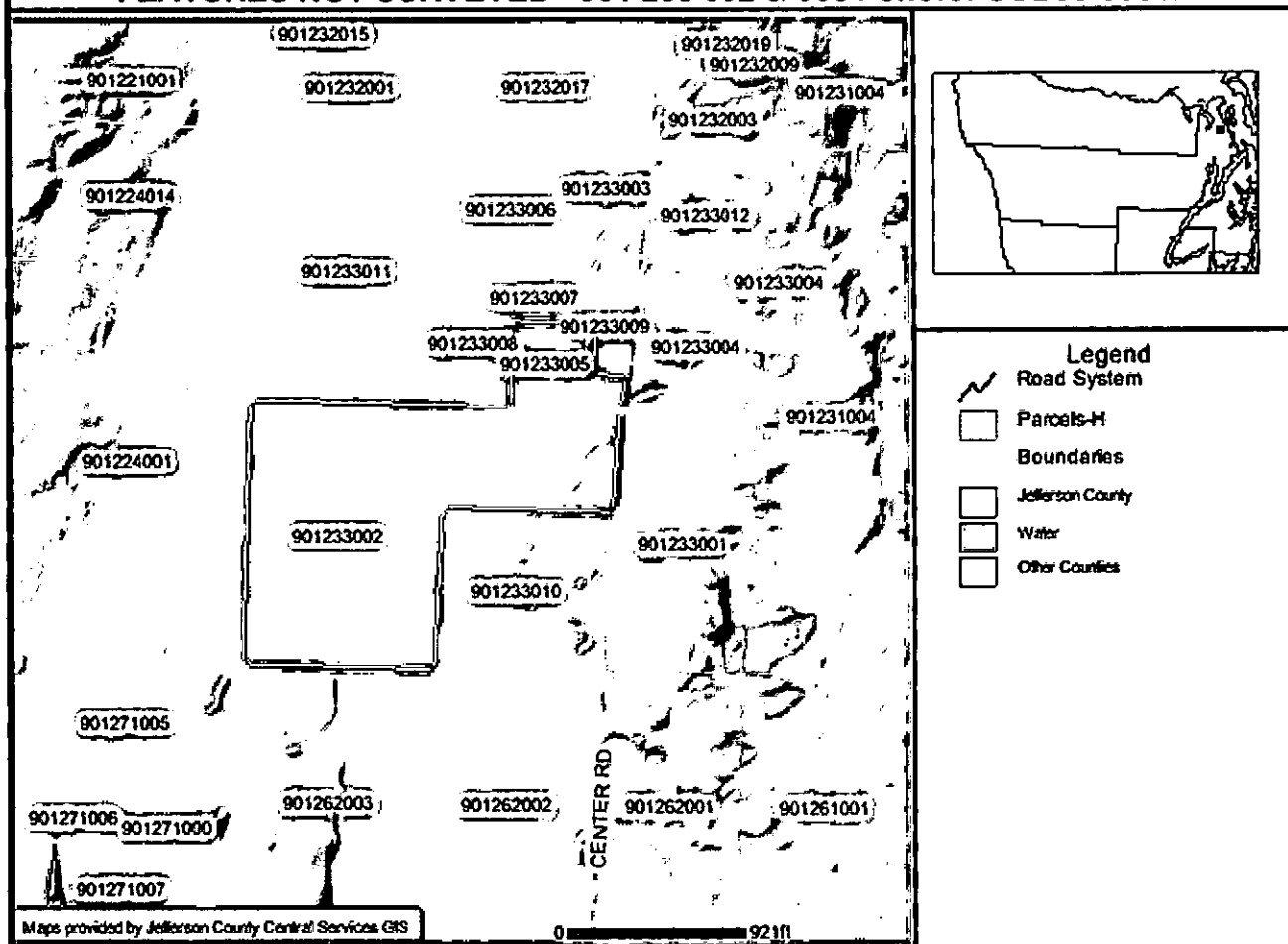










**FEATURES NOT SURVEYED - 901 233 002 & 005 / Short / SUB05-00012****FOR INFORMATIONAL PURPOSES ONLY-**

Jefferson County does not attest to the accuracy of the data contained herein and makes no warranty with respect to its correctness or validity. Data contained in this map is limited by the method and accuracy of its collection. Mon Mar 07 09:57:33 2005



JEFFERSON COUNTY

DCO

NO. 71446

DATE

5/3/05

RECEIVED FROM

Roger Dean Short

DESCRIPTION

CURRENCY

BARS #

AMOUNT

COIN

CHECKS

18660

CLA

SUB :

7196.00

233-002

RECEIVED BY

[Signature]

TOTAL

7196.00

TRANSMITTAL REPORT



ROGER DEAN SHORT

SANDY S.G. SHORT

VALLEY VIEW DAIRY

1720 CENTER ROAD (360) 732-4601

CHIMACUM, WA 98325

BANK OF AMERICA  
PORT HADLOCK, WA  
19-2/1250

18660

2/23/05

PAY TO THE  
ORDER OF

Jefferson County Depart Comm Develop

\$ 196.00

One Hundred Ninety-Six and 00/100

DOLLARS

EVERYBODY NEEDS MILK

MEMO

AUTHORIZED SIGNATURE

⑈018660⑈ &gt; ⑈125000024⑈ 35420 405⑈

Details on Back  
Security Features Included





## JEFFERSON COUNTY

### DEPARTMENT OF COMMUNITY DEVELOPMENT

621 Sheridan Street • Port Townsend • Washington 98368  
360/379-4450 • 800/831-2678 • 360/379-4451 Fax

## Boundary Line Adjustments

The Boundary Line Adjustment (BLA) application packet is designed to help you provide all the information necessary to facilitate a timely and well-informed decision on your application. In addition to filling in the blanks on the attached BLA application form, you will need to prepare and provide all the materials listed under the heading "Submittal Requirements" in order to complete your application. You will also submit a Master Land Use Application Form with these materials.

### Purpose

The purpose of the BLA is to provide a procedure by which changes in property lines may be made without resorting to the short or long subdivision process. BLAs are intended to:

- Allow the enlargement of a parcel to improve or qualify as a buildable parcel;
- Rectify defects in legal descriptions;
- Achieve increased setbacks from property lines or environmentally sensitive areas;
- Correct situations where a use is located across a lot line;
- • Allow any other boundary line modification that is consistent with state subdivision law.

The BLA process cannot be used to:

- Create an additional parcel;
- Create a parcel that is not buildable; *IF Ag - so what?*
- Entirely relocate a parcel into another parcel;
- Evade conditions of approval for a recorded short or long plat; or
- Avoid compliance with short or long subdivision requirements.

### Process

**Step 1 – Pre-Application Conference (Optional):** A pre-application conference is not required for a BLA, although they are strongly encouraged. Conceptual plans, county requirements, necessary permits, etc., and answers to related questions are discussed at the conference. Information provided by Department of Community Development staff helps the applicant to prepare a better application and potentially decreases code-related questions and time required for formal review.

**Step 2 – Determination of Completeness:** Following submittal of your application, county staff will make a determination within 28 days as to whether your application is complete.

**Step 3 – Formal Application Review and Decision:** Following the determination of completeness, a final decision must be made by the county within 120 calendar days, though typically the timeframe is much shorter.

**Step 4 – Recording of Documents with the County Auditor:** Upon approval of your BLA, a "record of survey" document must be prepared by a licensed land surveyor and recorded with the Jefferson County Auditor (see RCW 58.09 and WAC 332-130) within 90 days.

### Approval Criteria

Your BLA application will be evaluated on the basis of the information you provide, the criteria listed in the relevant section of the Jefferson County Unified Development Code (see UDC Section 7.2.3), and in some instances, inspection of the property. All public improvements installed for any BLA must conform to the development standards contained in the UDC (see UDC Sections 4 and 6).



A BLA will be approved if not listed as a "prohibited boundary change" in the UDC (see UDC Section 7.2.1(b)), AND if it does not:

- Create an additional parcel;
- Result in a parcel that contains increased density or inadequate area to meet the minimize parcel size requirements of the UDC, except for pre-existing sub-standard parcels;
- Diminish or harm drainage, water supply, sewage disposal, and access or easement for vehicles, pedestrians, utilities and fire protection for any parcel;
- Diminish or harm public or private utility easements or deprive a parcel of access or utilities;
- Diminish or impair environmentally sensitive areas or create an unsafe or hazardous environmental condition;
- Create an unreasonably restrictive or dangerous property access;
- Increase the nonconforming aspects of a parcel; or
- Replat or vacate a short or long plat, or revise or amend the conditions of approval for any short or long subdivision.

Following approval by the administrator, a final record of survey document shall be prepared by a licensed land surveyor in accordance with RCW 58.09 and WAC 332-130. A BLA becomes effective once the required documents have been recorded with the county auditor, and the applicant has returned one copy of each recorded document bearing the county auditor's stamp verifying recording. No building or other site development permits will be granted until the applicant returns the copies of the recorded documents to the Department of Community Development.





# JEFFERSON COUNTY

## DEPARTMENT OF COMMUNITY DEVELOPMENT

621 Sheridan Street • Port Townsend • Washington 98368  
360/379-4450 • 800/831-2678 • 360/379-4451 Fax

### Pre-Application Conference

The Jefferson County Unified Development Code (UDC) requires that before an application is made for all Type II and Type III project applications and Type I applications proposing impervious surfaces of ten thousand (10,000) square feet or more and/or non-single family structures of five thousand (5,000) square feet or more, a pre-application consultation must be held. The consultation includes preliminary review and administrative assistance. This service does not include extensive field inspection or correspondence. Pre-application consultation does not limit subsequent administrative review.

At the conference, Department of Community Development personnel shall provide the applicant with:

- (1) A list of the requirements for a completed application;
- (2) A general summary of the procedures to be used to process the application;
- (3) The references to relevant code provisions or development standards that may apply to the approval of the application; and
- (4) A list of any applicable hourly review fees that may be charged by one or more County agencies upon the filing of a project permit application with the County.

Discussions at the conference or the information provided by the staff shall not bind or prohibit the County's future application or enforcement of all applicable laws and regulations. No statements or assurances made by County representatives shall in any way relieve the applicant of his or her duty to submit an application consistent with all relevant requirements of County, state and federal codes, laws, regulations and land use plans.

NAME:	Valley View N + L Family Trust		Norris W. Short
MAILING ADDRESS:	1582 Center Rd Chimacum, Wa 98325		
TELEPHONE: (HOME)	360 732 4783	(WORK)	
REPRESENTATIVE:	Roger Short		
MAILING ADDRESS:	1720 Center Rd Chimacum, Wa 98325		
TELEPHONE: (HOME)	360 732 4601	(WORK)	360 301 3521

### DIRECTIONS

1. Please answer all questions on this form completely.
2. Attach a sketch of the Conceptual Design for the proposed use or activity, showing the following information:
  - a. Vicinity sketch;
  - b. North arrow and scale;
  - c. Property boundaries and identification of land uses on adjacent properties;
  - d. Means of ingress and egress;
  - e. Property/lot drainage;
  - f. Possible locations of sewage disposal and water supply systems;
  - g. Location of utility easements; and
  - h. Proposed location of buildings, including setbacks to property boundaries.

property line  
change only
3. Attach payment of the applicable fee, as set forth in the Jefferson County Fee Ordinance.



## Property Description

General Location: <u>1 1/2 miles S of Chimacum on</u>		
<u>Quilcene Highway</u>		
Legal Description (from Property Tax Statement): _____		
9-Digit Parcel Number (from Property Tax Statement): <u>901233002</u> <del>901233005</del>		
Total Acreage: _____	Zone: _____	% Lot Coverage: _____
Applicant:	<input type="checkbox"/> Owner	<input type="checkbox"/> Lessee
	<input type="checkbox"/> Contract Purchaser	<input type="checkbox"/> Other _____

## Project Description

(901233002)

<u>Move 1 acre with Norris's house to Parcel 901233005</u>
<u>to facilitate transfer of 901233002 to Roger Short</u>
<u>to facilitate establishing a conservation easement</u>
<u>for Trumpeter Swan as part of mitigation for removal</u>
<u>of the 2 Elwha Dams. Land can + will remain Ag.</u>
Property Owner (name and mailing address): <u>Norris Short</u>
<u>1582 Center Rd Chimacum WA 98325</u>

## Standard Disclosure

Information provided to a prospective applicant during the pre-application consultation is based on County regulations in effect at the time of the pre-application consultation. Revised or new County regulations could affect a future development application. A pre-application consultation does not vest a future development application.

By signing the application form, the applicant/owner attests that the information provided herein is true and correct to the best of their knowledge. I also certify that this application is being made with the full knowledge and consent of all owners of the affected property. Any material falsehood or any omission of a material fact made by the applicant/owner with respect to this application packet may result in this permit being null and void.

I further agree to save, indemnify and hold harmless Jefferson County against all liabilities, judgments, court costs, reasonable attorney's fees and expenses which may in any way accrue against Jefferson County as a result of or in consequence of the granting of this permit.

I further agree to provide access and right of entry to Jefferson County and its employees, representatives or agents for the sole purpose of application review and any required later inspections. This right of entry shall expire when the County (through the Administrator or the Administrator's representatives) concludes the application has complied with all applicable laws and regulations. Access and right of entry to the applicant's property shall be requested and shall occur only during regular business hours.

→ Norris Short  
(SIGNATURE)

1-14-05

(DATE)

I hereby designate Roger Short to act as my agent in matters related to this pre-application conference.

Norris Short  
(LANDOWNER SIGNATURE)

1-14-05  
(DATE)



DEVELOPMENT REVIEW TIME SHEET

ROGER SHORT

MLA05-00131

Date  
3/7/05

Time

Comments  
ESA ✓  
No soil evaluation is needed  
per AI

M LINDBLAD



**CASE SUMMARY FOR SWF2016-00001**

Printed November 14, 2022

Applicant: ROGER D SHORT  
1720 CENTER RD  
CHIMACUM WA 98325-9779

Status: P

Project Description: Short's Family Farm (formerly Valley View Dairy)

Parcel Number: 901233010 S-T-R: 23-29N-1W

Site 1594 CENTER RD  
Address: WA,

---

**ACTIVITIES:**

Description	Activity Notes	Signed Off
Annual Report Received		3/14/2019
Annual Report Received	Received Composting Facility Report for 2019 from Shorts Family Farm.	10/13/2020
Correspondence - phone/email	Mr. Short noted on his 2019 Annual Report that he was exempted via phone for lab analyses.  Derek Rockett (ECY) provided clarification via email: Hi Amanda,  He is not exempt. I had called him to let him know that he needed to submit his report. Roger told me that he could not get the lab results as they were closed due to the pandemic. I asked him to submit the report without the lab results as Ecology needs to finalize the larger annual composting report and that he could submit the lab results when and if he could at a later date.  I spoke with Roger this afternoon and explained that there was some miscommunication and that he was not exempt and still needed to try and obtain the lab results as he is distributing material off-site.  Hope that this helps and please let me know if you have any questions/comments  Derek	10/15/2020
Annual Report Received	Received Composting Facility Report for 2020 from Shorts Family Farm.	2/16/2021

---

**CONDITIONS:**

No conditions found for this case.

---

**CASE NOTES:**

No notes found for this case.

---

**PARCEL TAGS:**

	Title	Notes	Updated
1.)	6yr Mor. on Non-Forest Permits	FPA2616312 application approved on 01/07/2020. Moratorium expires 01/07/2026. JCC18.20.160(5)(b) "Mandatory six year development moratorium. For six years after the date of the application the county shall deny any and all applications for permits and approvals, including building permits and subdivision approvals, relating to or for non forestry uses of land subject to the application.	1/22/20

---



## ASSOCIATED CASES:

### Cases in Project#

SWF2016-00001

SWF2016-00001

### Cases for Parcel# 901233010

FPA2616312

PRE2003-00037

PRE2004-00009

SEP1985-00177

SOM1985-00177

SWF2016-00001

ZON2003-00064

### Cases with Master# SWF2016-00001 and Review

Type

SWF2016-00001





Notification of Exemption from a  
Solid Waste Permit for a Composting Operation  
Under WAC 173-350-220(1)(b)

Identification Number  
(For official use only)

PART I. General Information

Name of facility:

Valley View Dairy

Date Notification Submitted:

6-24-07

Please check appropriate box and complete dates:

- ☒ Currently operating -- date started operations \_\_\_\_\_  
☐ Plan to start operations on \_\_\_\_\_  
☐ Out of business/closed (date \_\_\_\_\_)  
☐ Operations currently suspended, plan to restart \_\_\_\_\_

County where composting operation is located:

Jefferson

RECEIVED  
JUN 27 2007  
Washington State  
Department of Ecology

Notification is for the following type of operation (see definitions next page):

☐ Composting of Type 1 or Type 2 feedstocks when more than 40 cubic yards and less than 250 cubic yards of material on-site at any one time.

☒ Agricultural composting, when any of the finished compost is distributed off-site, more than 40 cubic yards but less than 1,000 cubic yards of agricultural waste is on-site at any time, and agriculture composting is managed according to a farm management plan written in conjunction with a conservation district, qualified engineer, or other agricultural professional able to certify that the plan meets applicable conservation practice standards in the Washington Field Office Technical Guide produced by the Natural Resource Conservation Service.

☐ Vermicomposting when used to process Type 1 or Type 2 feedstocks generated off-site, limited to 1,000 cubic yards of material on-site at any one time.

☐ Registered dairy distributing compost off-site

Contact Information for (check one)

☒ Facility owner

☐ Facility operator

Company Name, Government Entity, etc.:

Valley View Dairy

Contact Name:

Roger Short

Position in organization: owner

Phone: 360-732-4601

301-3521 cell

Fax: 360-732-7288

e-mail address: r-short@earthlink.net

Mailing address: 1720 Center

Street:

City: Chimacum

State: Wa

Zip: 98325

(form continued on back)

Ecology is an Equal Opportunity Employer.



## PART II. Facility Information

Facility Address (if different from above): Street: <u>1594 Center Road</u> City: <u>Chimacum</u> State: <u>Wa</u> Zip: <u>98325</u>		Facility phone:  Fax:  e-mail address:	
Location Description/Legal Description of site (if no street address): <u>1 1/2 mile S of Chimacum</u>		Facility Mailing Address (if different) Street: City: State:                                      Zip:	
List feedstocks (for example yard debris, manure, etc): <u>livestock manures</u> <u>spoiled livestock feed - hay silage</u> <u>shavings, sawdust</u>			
Estimated maximum amount of materials (in cubic yards) on-site at one time (includes feedstocks, active compost and final product): <u>&lt; 1000 yds</u>		Finished compost is distributed off-site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Prepared by: <u>Roger Short</u>		Date: <u>6-24-07</u>	Phone: <u>360 732 4601</u>

### Definitions per chapter 173-350 WAC, Solid Waste Handling Standards:

"**Agricultural wastes**" means wastes on farms resulting from the raising or growing of plants and animals including, but not limited to, crop residue, manure and animal bedding, and carcasses of dead animals weighing each or collectively in excess of fifteen pounds.

"**Agricultural composting**" means composting of agricultural waste as an integral component of a system designed to improve soil health and recycle agricultural wastes. Agricultural composting is conducted on lands used for farming.

"**Type 1 feedstocks**" means source-separated yard and garden wastes, wood wastes, agricultural crop residues, wax-coated cardboard, preconsumer vegetative food wastes, other similar source-separated materials that the jurisdictional health department determines to have a comparable low level of risk in hazardous substances, human pathogens, and physical contaminants.

"**Type 2 feedstocks**" means manure and bedding from herbivorous animals that the jurisdictional health department determines to have a comparable low level of risk in hazardous substances and physical contaminants when compared to a type 1 feedstock.

"**Vermicomposting**" means the controlled and managed process by which live worms convert organic residues into dark, fertile, granular excrement.

*Ecology is an Equal Opportunity Employer.*



## Jefferson County Assessor & Treasurer

### 21991 ROGER D SHORT for Year 2015 - 2016

#### Property

##### Account

Property ID:	21991	Legal Description:	S23 T29 R1W S1/2 SW(BETWEEN CO RD & CREEK) LESS N 500' LESS R/W
Parcel Number:	901233010	Agent Code:	
Type:	Real	Land Use Code	83
Tax Area:	0211 - 1-49F1E1H2L1	DFL	N
Open Space:	Y	Remodel Property:	N
Historic Property:	N		
Multi-Family Redevelopment:	N		
Township:	29N	Section:	23
Range:	1W		

##### Location


Address:		Map ID:	
Neighborhood:	S21, 22,& 23 T29N R1W; MCNEIL PARK; STEWARTS GRDN; FAWN MDOW	Map ID:	
Neighborhood CD:	4270		

##### Owner

Name:	ROGER D SHORT	Owner ID:	27306
Mailing Address:	1720 CENTER RD CHIMACUM, WA 98325-9779	% Ownership:	100.0000000000%
		Exemptions:	

#### Taxes and Assessment Details

Property Tax Information as of 05/02/2016

Amount Due if Paid on:  **NOTE:** If you plan to submit payment on a future date, make sure you enter the date and click RECALCULATE to obtain the correct total amount due.

Click on "Statement Details" to expand or collapse a tax statement.

Year	Statement ID	First Half Base Amt.	Second Half Base Amt.	Penalty	Interest	Base Paid	Amount Due
▶ Statement Details							
2016	11769	\$534.51	\$534.41	\$0.00	\$0.00	\$534.51	\$534.41
▶ Statement Details							
2015	11811	\$478.45	\$478.35	\$0.00	\$0.00	\$956.80	\$0.00

#### Values

#### Taxing Jurisdiction

#### Improvement / Building

#### Sketch

#### Property Image

#### Land

#### Roll Value History

#### Deed and Sales History

#### Payout Agreement







This website is under active development. Some functionality is not yet available and data is not guaranteed.

[Assessor Home Page](#)

[Treasurer Home Page](#)

[County Maps](#)

[Permits](#)

[Disclaimer](#)

Website version: 9.0.40.29

Database last updated on: 5/2/2016 3:38 AM

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**JC Code Ch 8.10.220 Exempt excerpt ONLY**  
**Composting facilities WAC 173-350-220 (1) (b & c)**

(b) Conditionally exempt facilities composting materials and volumes in Table 220-A must meet the conditions listed in Table 220-A, and (c) of this subsection to be conditionally exempt from solid waste handling permitting. Feedstocks not listed in Table 220-A must be approved by the department and jurisdictional health department. For the purposes of this subsection, "material on-site at any one time" includes feedstocks, active composting, curing piles, and composted materials. An owner or operator that does not comply with the terms and conditions of Table 220-A and (c) of this subsection is required to obtain a permit from the jurisdictional health department and must comply with all other applicable requirements of this chapter. Violations of the terms and conditions of Table 220-A and (c) of this subsection may be subject to the penalty provisions of RCW 70.95.315.

**Table 220-A Terms and Conditions for Solid Waste Permit Exemptions**

	<b>Organic Materials</b>	<b>Volume</b>	<b>Specific Requirements for Activity or Operation</b>
(1)	All organic feedstocks	No more than 5,000 gallons or 25 cubic yards of material on-site at any one time.	No notification, reporting or testing requirements.
(2)	All organic feedstocks	Greater than 25 but no more than 250 cubic yards of material on-site at any one time, not to exceed 1,000 cubic yards in a calendar year.	<p>(a) Thirty days prior to operation, facilities must submit a notification of intent to operate as a conditionally exempt facility to the jurisdictional health department and the department. Notice of intent must be submitted on a form provided by the department;</p> <p>(b) Facilities that distribute composted material off-site must meet the following conditions:</p>



	<b>Organic Materials</b>	<b>Volume</b>	<b>Specific Requirements for Activity or Operation</b>
			<p>(i) Manage the operation to reduce pathogens to meet limits set by Table 220-B;</p> <p>(ii) Conduct compost analysis according to the requirements of Table 220-B. Compost testing frequency is based on volume of compost produced annually as required by subsection (4)(a)(x)(B) of this section; and</p> <p>(iii) Submit annual reports and results of composted material analysis to the department and the jurisdictional health department by April 1st of each calendar year. Annual reports must be submitted on forms provided by the department.</p>
(3)	<p>Yard debris</p> <p>Crop residues</p> <p>Manure and bedding</p> <p>Bulking agents</p>	<p>Greater than 25 but no more than 500 cubic yards of material on-site at any one time, not to exceed 2,500 cubic yards processed in a calendar year.</p>	<p>(a) Thirty days prior to operation, facilities must submit a notification of intent to operate as a conditionally exempt facility to the jurisdictional health department and the department. Notice of intent must be submitted on a form provided by the department.</p> <p>(b) Facilities that distribute composted materials off-site must meet the following conditions:</p> <p>(i) Manage the operation to reduce pathogens to meet limits set by Table 220-B;</p>



	Organic Materials	Volume	Specific Requirements for Activity or Operation
			<p>(ii) Conduct compost analysis according to the requirements of Table 220-B. Compost testing frequency is based on volume of compost produced annually as required by subsection (4)(a)(x)(B) of this section; and</p> <p>(iii) Submit annual reports and results of composted material analysis to the department and the jurisdictional health department by April 1st of each calendar year. Annual reports must be submitted on forms provided by the department.</p>
(4)	<p>Agricultural wastes</p> <p>Yard debris</p> <p>Bulking agents</p>	<p>Greater than 25 but no more than 1,000 cubic yards of agricultural wastes and bulking agents on-farm at any one time, and up to 50% of organic materials on-farm can be yard debris.</p>	<p>Agricultural farms managing more than 25 cubic yards of imported yard debris on-site at any one time or composting only agricultural wastes but that distribute off-site must meet the following conditions:</p> <p>(a) Thirty days prior to operation, facilities must submit a notification of intent to operate as a conditionally exempt facility to the jurisdictional health department and the department. Notification must be submitted on a form provided by the department;</p> <p><del>(b) If agricultural farm is only managing agricultural waste and not distributing composted material off farm, then</del></p>



	Organic Materials	Volume	Specific Requirements for Activity or Operation
			<p>notification in (4)(a) of this table is not required;</p> <p>(c) Facilities that distribute composted material off-site must meet the following conditions:</p> <p>(i) Manage operation to reduce pathogens to meet limits set by Table 220-B of this section;</p> <p>(ii) Conduct compost analysis according to the requirements of Table 220-B. Compost testing frequency is based on volume of compost produced annually as required by subsection (4)(a)(x)(B) of this section; and</p> <p>(iii) Submit annual reports and results of composted material analysis to the department and the jurisdictional health department by April 1st of each calendar year. Annual reports must be submitted on forms provided by the department.</p>
(5)	<p>Agricultural wastes</p> <p>Manure and bedding from zoos</p> <p>Bulking agents</p>	<p>Greater than 25 cubic yards with no upper limits when only agricultural wastes, manure and bedding from zoos, and bulking agents are processed on-farm, or on-site for zoos.</p>	<p>Agricultural farms that distribute composted material off-farm, or off-site for zoos, must meet the following conditions:</p> <p>(a) Thirty days prior to operation, facilities must submit a notification of intent to operate as a conditionally exempt facility to the jurisdictional</p>



	Organic Materials	Volume	Specific Requirements for Activity or Operation
			<p>health department and the department. Notification must be submitted on a form provided by the department;</p> <p>(b) For composting at a dairy, composting must occur as part of an updated dairy nutrient management plan as required by chapter <u>90.64</u> RCW, Dairy Nutrient Management Act;</p> <p>(c) For composting at a farm other than a dairy, composting must occur as part of an updated farm management plan written in conjunction with a conservation district, a qualified engineer, or other agricultural professional able to certify that the plan meets applicable conservation practice standards in the USDA <i>Washington Field Office Technical Guide</i>, Code 317, produced by the Natural Resources Conservation Service;</p> <p>(d) Facilities that distribute composted material off-site must meet the following conditions:</p> <p>(i) Manage the operation to reduce pathogens to meet limits set by Table 220-B of this section;</p> <p>(ii) Conduct compost analysis according to the requirements of Table 220-B. Compost testing frequency is based on volume of compost produced annually</p>



	<b>Organic Materials</b>	<b>Volume</b>	<b>Specific Requirements for Activity or Operation</b>
			<p>as required by subsection (4)(a)(x)(B) of this section; and</p> <p>(iii) Submit annual reports and results of composted material analysis to the department and the jurisdictional health department by April 1st of each calendar year. Annual reports must be submitted on forms provided by the department.</p>

(c) Composting operations managing the types and volumes of materials identified in Table 220-A must meet the following terms and conditions to maintain their exempt status:

- (i) Comply with the performance standards of WAC 173-350-040;
- (ii) Manage the operation to prevent the migration of agricultural pests identified by local horticultural pest and disease control boards, as applicable;
- (iii) Control nuisance odors to prevent migration beyond property boundaries;
- (iv) Manage the operation to prevent attraction of flies, rodents, and other vectors;
- (v) Allow the department or the jurisdictional health department to inspect the site at reasonable times.

[Statutory Authority: RCW 70.95.020(3), 70.95.060(1), 70.95.260(6), 70.95.305, 70.95.330. WSR 13-08-016 (Order 10-06), § 173-350-220, filed 3/25/13, effective 4/25/13. Statutory Authority: Chapter 70.95 RCW. WSR 03-03-043 (Order 99-24), § 173-350-220, filed 1/10/03, effective 2/10/03.]



(x) Analyze composted material for metals and other testing parameters listed in Table 220-B.

(B) Testing frequency is based on amount of composted material produced. A representative sample of composted material must be tested for every 5,000 cubic yards produced, or every three hundred sixty-five days, whichever is more frequent. The jurisdictional health department may modify the frequency of testing based on historical data for a particular facility;

Table 220-B Testing Parameters

Metals and other testing parameters	Limit (mg/kg dry weight), unless otherwise specified
Arsenic	$\leq 20$ ppm
Cadmium	$\leq 10$ ppm
Copper	$\leq 750$ ppm
Lead	$\leq 150$ ppm
Mercury	$\leq 8$ ppm
Molybdenum	$\leq 9$ ppm
Nickel	$\leq 210$ ppm
Selenium	$\leq 18$ ppm
Zinc	$\leq 1400$ ppm
Physical contaminants <sup>1</sup>	$\leq 1$ percent by weight total, not to exceed .25 percent film plastic by weight
Sharps	0
pH	5 - 10 (range)
Biological stability <sup>2</sup>	Moderately unstable to very stable
Fecal coliform <sup>3</sup>	$< 1,000$ Most Probable Number per gram of total solids (dry weight)
OR	
Salmonella	$< 3$ Most Probable Number per 4 grams of total solids (dry weight)



Metals and other testing parameters	Limit (mg/kg dry weight), unless otherwise specified
-------------------------------------	--

- 1A label or information sheet must be provided with compost that exceeds .1% by weight of film plastic. See WAC 173-350-220 (4)(f)(iii)(D)(I).
- 2Tests for biological stability must be done as outlined in the United States Composting Council Test Methods for the Examination of Composting and Compost unless otherwise approved by the jurisdictional health department.
- 3Test for either fecal coliform or salmonella.

Note: Biosolids composters regulated under this chapter must communicate with the jurisdictional health department to determine if different testing parameters and testing frequencies are required.



Short's Family Farm  
1594 Center Road, Chinacum WA 98006  
Roger Short 360-301-3521

TACOMA WA 983  
OLYMPIA WA  
11 FEB 2021 PM 2 L



RECEIVED  
FEB 16 2021  
JEFFERSON COUNTY  
ENVIRONMENTAL PUBLIC HEALTH

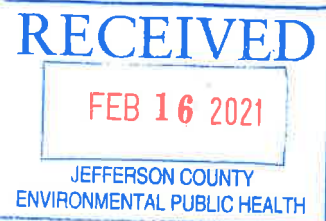
Jefferson Health &  
Compost Reports  
615 Sheridan  
Port Townsend Wa  
98368-2476







# COMPOSTING FACILITY REPORT



Facility Name: <i>Shorts Family Farm</i>	Report for calendar year: <i>2020</i>	Permit Number (if applicable): <i>2618 ?</i>
Facility Location (Street address): <i>1594 Center Road Chimacum Wa</i>	County: <i>Jefferson</i>	Facility Contact Email: <i>rshort42@gmail.com</i>
Facility Contact (name): <i>98325</i> <i>Roger Short</i>	Facility Phone: <i>360 301 3521</i>	
Facility Contact Mailing Address (if different): <i>1720 Center Road Chimacum, Wa 98325</i>	Facility Contact Phone (if different):	
Operator (Company/Business): <i>Shorts Family Farm</i>	Operator Contact (Name): <i>Roger Short</i>	
Did you operate during <span style="background-color: black; color: black;"> </span> 2020?		
<input checked="" type="checkbox"/> Yes If yes, please complete this form.		
<input type="checkbox"/> No If no, when did you stop operations? (enter day/month/year)		
Do you plan to restart? <input type="checkbox"/> No <input type="checkbox"/> Yes When? (enter day/month/year)		
If you didn't operate, print name and date below and return form. This completes your reporting obligations.		
PREPARED BY: (print name) _____ Date: _____		



Is this facility open to the public?

No

☒ Yes

Tip fee (per ton or per cubic yard, not total fees). Attach schedule if available. \$ 5<sup>00</sup> per load

During the reporting year, were there any changes in your management practices that impacted your operations?

No

☒ Yes (specify) Covid 19 + requirement

Are there any new solid waste activities planned at your site for 2021?

☒ No

Yes (specify) \_\_\_\_\_

Planned start date (enter day/month/year): 1-1-2021

Annual summary of lab analyses of composted material is attached (check box) yes

Composting Systems Used (check all that apply)

☒ Turned windrow ☒ Aerated turned mass bed ☐ Other (Specify) \_\_\_\_\_

☒ Actively aerated static pile ☒ Passively aerated static pile ☐ In-vessel (containerized)



Feedstocks Composted	Report amounts below in tons <u>OR</u> cubic yards (CY)	List county and state that it came from (if multiple counties and/or states, list amounts from each) <sup>1</sup>	Percent from <sup>3</sup> commercial and <u>residential</u> sources <sup>2</sup>	
<input type="checkbox"/> Food waste (post-consumer) <sup>4</sup>	<input type="checkbox"/> Tons <input type="checkbox"/> CY		% Commercial	% Residential
<input type="checkbox"/> Mixed yard debris/Food waste	<input type="checkbox"/> Tons <input type="checkbox"/> CY		% Commercial	% Residential
<input checked="" type="checkbox"/> Yard debris	505 <input type="checkbox"/> Tons <input checked="" type="checkbox"/> CY	Jefferson Wa.	% Commercial	100 % Residential
<input checked="" type="checkbox"/> Agricultural organics (vegetative) <sup>5</sup>	2000 <input type="checkbox"/> Tons <input checked="" type="checkbox"/> CY	Jefferson Wa.	n/a	
<input type="checkbox"/> Biosolids (WET <input type="checkbox"/> or DRY <input type="checkbox"/> )	<input type="checkbox"/> Tons <input type="checkbox"/> CY		n/a	
<input checked="" type="checkbox"/> Food processing waste (pre-consumer) <sup>6</sup> Should not been	<input type="checkbox"/> Tons <input type="checkbox"/> CY	checked	n/a	
<input type="checkbox"/> Industrial organics <sup>7</sup> Specify type:	<input type="checkbox"/> Tons <input type="checkbox"/> CY		n/a	
<input type="checkbox"/> Landclearing debris	<input type="checkbox"/> Tons <input type="checkbox"/> CY		n/a	
<input checked="" type="checkbox"/> Manure (may include bedding) Specify type:	300 <input type="checkbox"/> Tons <input checked="" type="checkbox"/> CY	Island Jefferson	n/a	
<input type="checkbox"/> Mortalities and other animal parts	<input type="checkbox"/> Tons <input type="checkbox"/> CY		n/a	
<input checked="" type="checkbox"/> Sawdust/shavings Specify if material was received as a waste or purchased:	750 <input type="checkbox"/> Tons <input checked="" type="checkbox"/> CY	Clallam	n/a	
<input type="checkbox"/> Other wood waste (example: untreated lumber, pallets) Specify type:	<input type="checkbox"/> Tons <input type="checkbox"/> CY		n/a	
<input type="checkbox"/> Other organic wastes Specify type:	<input type="checkbox"/> Tons <input type="checkbox"/> CY		n/a	
<b>Materials for Other Uses (not composted)</b>				
<input type="checkbox"/> Materials for Hog Fuel Specify type: If sent off-site, to what facility?	None <input type="checkbox"/> Tons <input type="checkbox"/> CY		% Commercial	% Residential
<input type="checkbox"/> Materials for Other Uses (examples: mulch and soil blends) Specify type: If sent off-site, to what facility?	all listed above <input type="checkbox"/> Tons <input type="checkbox"/> CY		20% Commercial	80% Residential
<b>Materials Disposed (not composted)</b>				
Rejects Type: <u>OVERS</u>	Rejects disposed (tons): 300	Name of Disposal Facility: Shorts Family Farm		

<sup>1</sup> You may copy the form for reporting feedstocks from multiple locations.

<sup>2</sup> Includes organic debris from businesses, such as restaurants, grocery stores, farms, office buildings and retail, institutions such as schools and hospitals, and industrial sites such as manufacturers and food processing centers.

<sup>3</sup> Includes organic debris from single- and multi-family homes, self-hauled from residences, and family farms that are not commercial businesses.

<sup>4</sup> Includes food that has reached the final consumer or consumer outlet such as restaurant, grocery store, school or hospital and been discarded.

<sup>5</sup> Includes crop residues and other vegetative organic waste originating from farms.

<sup>6</sup> Includes fish, paunch, and other food processing wastes.

<sup>7</sup> Includes fats, oils, and grease (FOG), lab waste, ash, clarifier solids, and other organic wastes of industrial origin.



Compost Produced		
Name of Product	Report amounts below in tons <u>OR</u> cubic yards (CY)	
Compost + mulch	450	<input type="checkbox"/> Tons <input checked="" type="checkbox"/> CY
Compost in Soil mixes	2100	<input type="checkbox"/> Tons <input checked="" type="checkbox"/> CY
		<input type="checkbox"/> Tons <input type="checkbox"/> CY
		<input type="checkbox"/> Tons <input type="checkbox"/> CY
		<input type="checkbox"/> Tons <input type="checkbox"/> CY
Final Disposition of Compost	Report amounts below in tons <u>OR</u> cubic yards (CY) 2550	
Sold in same calendar year	<del>1000</del> sold in same calendar year	<input type="checkbox"/> Tons <input checked="" type="checkbox"/> CY
Total amount stockpiled onsite	<del>1000</del> sold + 2550 = 1550	<input type="checkbox"/> Tons <input checked="" type="checkbox"/> CY
Distributed offsite		<input type="checkbox"/> Tons <input type="checkbox"/> CY
Used onsite	Cattle Farm 100	<input type="checkbox"/> Tons <input checked="" type="checkbox"/> CY
Other (specify):		<input type="checkbox"/> Tons <input type="checkbox"/> CY

Prepared by (print name): Roger Short	Date: <del>1-5-2021</del> 2-5-2021
Phone: 360 301 3521	
Email: rshort42@gmail.com	



253 272 4850

**INVOICE****SPECTRA Laboratories**

Lori Marie

2221 Ross Way, Tacoma Washington 98421 - (253) 272-4850 - Fax: (253) 572-9838 - Tax ID: #45-4776537

**BILL TO:**

Roger Short  
Accounts Payable  
1720 Center Rd  
Chimacum, WA 98325

INVOICE NUMBER 155725  
INVOICE DATE 1/27/2021  
SPECTRA PROJECT 2021010661  
P.O. # COD  
DATE RECEIVED 1/25/2021  
CLIENT PROJECT  
TERMS Net 30 Days  
DUE DATE 2/26/2021

DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT
Digestion ICP	1	\$10.00	\$10.00
Total Arsenic	1	\$10.00	\$10.00
Total Cadmium	1	\$10.00	\$10.00
Total Copper	1	\$10.00	\$10.00
Total Lead	1	\$10.00	\$10.00
Total Mercury	1	\$25.00	\$25.00
Total Molybdenum	1	\$10.00	\$10.00
Total Nickel	1	\$10.00	\$10.00
Total Selenium	1	\$10.00	\$10.00
Total Zinc	1	\$10.00	\$10.00
Subtotal			\$115.00
Amount Due			\$115.00

503 Regs

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01/27/2021

P.O.#:

COD

Roger Short  
1720 Center Rd  
Chimacum, WA 98325

Client ID:

Sample Matrix: Soil

Date Sampled: 01/22/2021

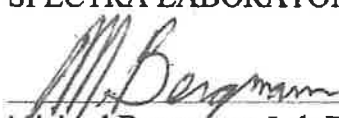
Date Received: 01/25/2021

Spectra Project: 2021010661

Spectra Number: 1

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Analyst</u>	<u>Date Analyzed</u>
Total Arsenic	< 2.5	mg/Kg	SW846 6010D	SCJ	01/27/2021
Total Cadmium	< 0.3	mg/Kg	SW846 6010D	SCJ	01/27/2021
Total Copper	11.3	mg/Kg	SW846 6010D	SCJ	01/27/2021
Total Lead	< 2.5	mg/Kg	SW846 6010D	SCJ	01/27/2021
Total Molybdenum	< 0.5	mg/Kg	SW846 6010D	SCJ	01/27/2021
Total Nickel	9.2	mg/Kg	SW846 6010D	SCJ	01/27/2021
Total Selenium	< 2.5	mg/Kg	SW846 6010D	SCJ	01/27/2021
Total Zinc	35.9	mg/Kg	SW846 6010D	SCJ	01/27/2021
Total Mercury	< 0.025	mg/Kg	SW846 7471B	SCJ	01/27/2021

SPECTRA LABORATORIES

  
Michael Bergmann, Lab Director

a6/scj





# 2018

## 2017 ANNUAL COMPOSTING FACILITY REPORT

FACILITY NAME: <i>Short's Family Farm</i>	REPORT FOR CALENDAR YEAR: <i>2018</i>	PERMIT NUMBER (if applicable): <del>1576</del> <i>2618</i>
FACILITY LOCATION (STREET ADDRESS): <i>1594 Center Road - site</i> <i>1720 Center Road mail</i>	COUNTY: <i>Jefferson</i>	FACILITY CONTACT EMAIL: <i>rshort42@gmail.com</i>
FACILITY CONTACT (name): <i>Roger Short</i>	FACILITY PHONE: <i>360 301 3521</i>	
FACILITY CONTACT MAILING ADDRESS (if different):	FACILITY CONTACT PHONE (if different):	
OPERATOR (Company/Business): <i>Roger Short</i>	OPERATOR CONTACT (Name): <i>Roger Short</i>	

Did you operate during 2017? *2018*

☒ Yes If yes, please complete this form.

☐ No If no, when did you stop operations? (enter day/month/year) \_\_\_\_\_

Do you plan to restart? ☐ No ☐ Yes When? (enter day/month/year) \_\_\_\_\_

If you didn't operate, print name and date below and return form. This completes your reporting obligations.

PREPARED BY: (print name) \_\_\_\_\_ Date: \_\_\_\_\_

Are you open to the public?

☐ No ☒ Yes *Limited*

Tip fees (Attach schedule if available) *\$5.00 per load of grass clipping, annual plants, manure, Nothing larger than 3/4" x 6"* *leaves*

During the reporting year, were there any changes in your management practices that impacted your operations?

☒ No ☐ Yes (specify) \_\_\_\_\_

Are there any new solid waste activities planned at your site for ~~2018~~ *2019*?

☒ No ☐ Yes (specify) \_\_\_\_\_

Planned start date (enter day/month/year): \_\_\_\_\_

☒ Attached annual summary of lab analyses of composted material

COMPOSTING SYSTEM USED (check all that apply)

☐ Turned windrow ☒ Aerated turned mass bed ☐ Other (Specify) \_\_\_\_\_

☐ Actively aerated static pile ☒ Passively aerated static pile ☐ In-vessel (containerized)



FEEDSTOCKS COMPOSTED	Feedstocks received from the same county as the compost facility (report tons <u>OR</u> cubic yards)		Feedstocks received from out-of-county, other states or out-of-country (If multiple counties and/or states, specify amounts from each.) (report tons <u>OR</u> cubic yards)		List county and state that it came from
	Tons	Cubic Yards	Tons	Cubic Yards	
<input type="checkbox"/> Agricultural organics (vegetative) Includes crop residues, etc.	<del>150</del> 150				
<input type="checkbox"/> Biosolids, specify WET or DRY:	None				
<input type="checkbox"/> Food processing, incl. fish, paunch etc.	None				
<input type="checkbox"/> Food waste, post-consumer	None				
<input type="checkbox"/> Food waste, pre-consumer	None				
<input type="checkbox"/> Food waste (other)	None				
<input type="checkbox"/> Industrial organics (specify): Incl. FOG, lab waste, ash, clarifier solids, etc	None				
<input type="checkbox"/> Landclearing debris	<del>750</del> 0				
<input checked="" type="checkbox"/> Manure (type): <u>Livestock</u> may incl. bedding	<del>350</del> 435				
<input type="checkbox"/> Mortalities and other animal parts	None				
<input checked="" type="checkbox"/> Sawdust / shavings				<del>2000</del> 800	Callam
<input type="checkbox"/> Other wood debris (specify):		1300			
<input checked="" type="checkbox"/> Yard debris	<del>30</del>	<del>2500</del>			
<input type="checkbox"/> Yard debris/food scraps (mixed)	None				
<input type="checkbox"/> Other (specify):	0				
<b>MATERIALS FOR ENERGY RECOVERY (not composted)</b>					
<input type="checkbox"/> Materials for Hog Fuel If sent off-site, to what facility?					
<input type="checkbox"/> Materials for Anaerobic Digestion If sent off-site, to what facility?					
<b>MATERIALS DISPOSED (not composted)</b>					
Rejects Type:	Name of Disposal Facility:				
Rejects disposed (tons): <u>140</u> T	<u>Short's Family Farm</u> Same business				
<b>COMPOST PRODUCED</b> (report tons <u>OR</u> cubic yards)			<b>FINAL DISPOSITION OF COMPOST</b> (report tons <u>OR</u> cubic yards)		
Name of Product	Tons	Cubic Yards		Tons	Cubic Yards
Compost		<del>1600</del> 1650	Sold in same calendar year		<del>1250</del> 1175
			Total amount stockpiled onsite		<del>200</del> 200
			Distributed offsite		
			Used onsite		600
			Other (specify):		
PREPARED BY (print name): <u>Roger Short</u>				DATE:	PHONE:
Email: <u>VShort42@gmail.com</u>				<u>6-18</u>	<u>3603013521</u>

If you need this publication in a format for the visually impaired, call the Waste 2 Resources Program at 360-407-6900. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.



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February 26, 2019

Spectra Laboratories - Kitsap  
26276 Twelve Trees Lane, Suite C  
Poulsbo, WA 98370

Method: SW846 7471B  
Spectra Project: 2019020470  
Applies to Spectra #'s 1  
Sample Matrix: Soil  
Analyst: CK



## MERCURY QUALITY CONTROL RESULTS

Units: mg/Kg MS/MSD Date Analyzed: 2/25/19

<u>Spike Sample</u>	<u>Sample Result</u>	<u>Spike Amount Added</u>	<u>MS Result</u>	<u>% Recovery</u>	<u>MSD Result</u>	<u>% Recovery</u>	<u>RPD</u>
2019020462-1	0.000	0.4000	0.416	104.0	0.404	101.0	2.9

Units mg/Kg Date Analyzed: 2/25/19

<u>Spike Sample</u>	<u>Sample Result</u>	<u>Spike Amount Added</u>	<u>MS Result</u>	<u>% Recovery</u>
LCS	<0.05	0.5000	0.482	96.4
Recovery Limit: 78-117%				

## METHOD BLANK

Date Analyzed: 2/25/19

Units: mg/Kg

Mercury <0.05

SPECTRA LABORATORIES

Jeffrey Cooper, Laboratory Manager



# SPECTRA Laboratories

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02/28/2019

Spectra Laboratories-Kitsap, LLC  
26276 Twelve Trees Lane  
Suite C  
Poulsbo, WA 98370  
Attn: Angela Kaelin

P.O.#: 185172  
Project: Compost Regs  
Client ID: Compost  
Sample Matrix: Soil  
Date Sampled: 02/21/2019  
Date Received: 02/22/2019  
Spectra Project: 2019020470  
Spectra Number: 1



<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
Total Arsenic	< 2.5	mg/Kg Dry	SW846 6010D
Total Cadmium	< 0.3	mg/Kg Dry	SW846 6010D
Total Copper	31.4	mg/Kg Dry	SW846 6010D
Total Lead	4.6	mg/Kg Dry	SW846 6010D
Total Molybdenum	1.5	mg/Kg Dry	SW846 6010D
Total Nickel	34.1	mg/Kg Dry	SW846 6010D
Total Selenium	< 2.5	mg/Kg Dry	SW846 6010D
Total Zinc	91.8	mg/Kg Dry	SW846 6010D
Total Mercury	<0.05	mg/Kg dry	SW846 7471B

SPECTRA LABORATORIES

Jeffrey Cooper, Laboratory Manager



# SPECTRA Laboratories

...Where experience matters

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

2/27/2019

Spectra Laboratories - Kitsap, LLC  
26276 Twelve Trees Lane  
Suite C  
Poulsbo, WA 98370

Units: mg/Kg  
Spectra Project: 2019020470  
Applies to Spectra #'s: 1  
Analyst: SCJ



## QUALITY CONTROL RESULTS

ICP Metals SW846 6010D - Biosolids/Compost

### Method Blank

Date Digested: 2/27/2019

Date Analyzed: 2/27/2019

Element	Result
Arsenic	< 2.5
Cadmium	< 0.3
Copper	< 0.6
Lead	< 2.5
Molybdenum	< 0.5
Nickel	< 1.5
Selenium	< 2.5
Zinc	< 0.6

### Laboratory Control Sample (LCS)

Date Digested: 2/27/2019

Date Analyzed: 2/27/2019

Element	Spike Added	LCS Conc.	LCS %Rec
Arsenic	200.0	179.3	89.7
Cadmium	200.0	177.1	88.6
Copper	200.0	227.2	113.6
Lead	200.0	202.0	101.0
Molybdenum	200.0	204.0	102.0
Nickel	200.0	198.7	99.4
Selenium	200.0	188.4	94.2
Zinc	200.0	188.7	94.4

LCS Recovery limits 80-120%

### Matrix Spike/Matrix Spike Duplicate (MS/MSD)

Date Digested: 2/27/2019

Date Analyzed: 2/27/2019

Sample Spiked: 2019020539-1

Element	Sample Conc.	Spike Conc.	MS Conc.	MS %Rec	MSD Conc.	MSD %Rec	RPD
Arsenic	0.0	200.0	172.3	86.2	171.2	85.6	0.6
Cadmium	0.0	200.0	203.5	101.8	201.0	100.5	1.2
Copper	108.5	200.0	323.7	107.6	336.7	114.1	5.9
Lead	0.0	200.0	179.4	89.7	177.8	88.9	0.9
Molybdenum	0.7	200.0	188.3	93.8	187.1	93.2	0.6
Nickel	5.3	200.0	186.6	90.7	185.6	90.2	0.6
Selenium	0.0	200.0	182.1	91.1	181.9	91.0	0.1
Zinc	129.2	200.0	312.5	91.7	327.9	99.4	8.1

Comment:

Recovery Limits 75-125%

RPD Limit 20

SPECTRA LABORATORIES

Laboratory Manager





Mr Roger Short  
1720 Center Rd  
Chilmacum, WA 98325

8105

TACOMA WA 983  
OLYMPIA WA  
12 MAR 2013 PM 3:1



Environmend Heeth  
615 Sheridan  
Port Townsend, Wa 98368

98368-243915







**20xx SOLID WASTE PERMIT EXEMPTION  
INSPECTION REPORT  
COMPOST FACILITY  
Under the Authority of WAC 173-350-220**

<b>Name of Facility</b>			
<b>Address</b>			
<b>Facility Type</b>		<b>Exemption #</b>	
<b>Contact</b>		<b>Inspector(s)</b>	
<b>Site Personnel Present</b>			
<b>Inspection Type</b>	<input type="checkbox"/> ROUTINE <input type="checkbox"/> FOLLOW-UP <input type="checkbox"/> COMPLAINT <input type="checkbox"/> OTHER		

PERFORMANCE STANDARDS (WAC 173-350-040)	COMMENTS	Yes	No	N/A
(1) The facility is designed, constructed, operated, and closed in a manner that does not pose a threat to human health or environment.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(2) The facility is in compliance with 90.48 RCW, Water Pollution Control and Implementing Regulations, including chapter 173-200 WAC, Water Quality Standards for ground waters of the state of Washington.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(3) The facility conforms to the approved local comprehensive solid waste management plan prepared in accordance with 70.95 RCW, Solid Waste Management-Reduction and Recycling, and/or the local hazardous waste management plan prepared in accordance with 70.105 RCW, Hazardous Waste Management.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(4) The facility does not cause any violation of emission standards or ambient air quality standards at the property boundary and is in compliance with RCW 70.94, Washington Clean Air Act.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



(5) The facility is in compliance with all other applicable local, state and federal laws and regulations		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<b>FACILITY NOTIFICATION REQUIREMENTS</b> <b>TABLE 220-A</b>	<b>COMMENT</b>	<b>Yes No N/A</b>
<input type="checkbox"/> All organic feedstocks. ≤5,000 gallons or 25 cubic yards material on-site at any one time. <b>NOTIFICATION NOT REQUIRED</b> <input type="checkbox"/> All organic feedstocks. More than 25 but no more than 250 cubic yards of material on-site at any one time, limited to 1,000 cubic yards per calendar year. <b>30 DAY NOTIFICATION</b> <input type="checkbox"/> Yard debris, crop residues, manure and bedding, bulking agents. More than 25 but no more than 500 cubic yards of material on-site at any one time, limited to 2,500 cubic yards per calendar year. <b>30 DAY NOTIFICATION</b> <input type="checkbox"/> Agricultural wastes, yard debris, bulking agents. More than 25 but no more than 1,000 cubic yards of agricultural wastes and bulking agents on-farm at any one time and up to 50% of organic materials on-farm can be yard debris: <b>NOTIFICATION NOT REQUIRED</b> for Agricultural farms only managing agricultural waste and not distributing composted material off farm <b>30 DAY NOTIFICATION</b> required for Agricultural farms managing more than 25 cubic yards of imported yard debris on-site at any one time <b>30 DAY NOTIFICATION</b> required for Agricultural farms composting only agricultural wastes but that distribute off-site <input type="checkbox"/> Agricultural wastes, manure and bedding from zoos, bulking agents. More than 25 cubic yards with no upper limits when processed on-farm, or on-site for zoos. <b>30 DAY NOTIFICATION</b> required for Agricultural farms that distribute composted material off-farm, or off-site for zoos		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>



EXEMPT STATUS TERMS & CONDITIONS	COMMENT	Yes	No	N/A																															
(ii) Manage the operation to prevent the migration of agricultural pests identified by local horticultural pest and disease control boards, as applicable		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																															
(iii) Control nuisance odors to prevent migration beyond property boundaries		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																															
(iv) Manage the operation to prevent attraction of flies, rodents, and other vectors		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																															
FACILITIES THAT DISTRIBUTE COMPOSTED MATERIAL OFF-SITE	COMMENT	Yes	No	N/A																															
(i) Facility manages operation to reduce pathogens to meet limits set by Table 220-B <ul style="list-style-type: none"> <li><input type="checkbox"/> In vessel composting - 55°C/131°F or higher for three days</li> <li><input type="checkbox"/> Aerated static pile - 55°C/131°F or higher for three days, <input type="checkbox"/> Must have cover</li> <li><input type="checkbox"/> Windrow composting - 55°C/131°F or higher for fifteen days or longer, <input type="checkbox"/> While temp is up, must have at least 5 turns in those fifteen days</li> </ul>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																															
<b>Table 220-B Testing Parameters</b> <table border="1"> <thead> <tr> <th>Metal</th><th>Limit (mg/kg dry weight)</th></tr> </thead> <tbody> <tr><td>Arsenic</td><td>≤ 20 ppm</td></tr> <tr><td>Cadmium</td><td>≤ 10 ppm</td></tr> <tr><td>Copper</td><td>≤ 750 ppm</td></tr> <tr><td>Lead</td><td>≤ 150 ppm</td></tr> <tr><td>Mercury</td><td>≤ 8 ppm</td></tr> <tr><td>Molybdenum<sup>1</sup></td><td>≤ 9 ppm</td></tr> <tr><td>Nickel</td><td>≤ 210 ppm</td></tr> <tr><td>Selenium<sup>1</sup></td><td>≤ 18 ppm</td></tr> <tr><td>Zinc</td><td>≤ 1400 ppm</td></tr> </tbody> </table>	Metal	Limit (mg/kg dry weight)	Arsenic	≤ 20 ppm	Cadmium	≤ 10 ppm	Copper	≤ 750 ppm	Lead	≤ 150 ppm	Mercury	≤ 8 ppm	Molybdenum <sup>1</sup>	≤ 9 ppm	Nickel	≤ 210 ppm	Selenium <sup>1</sup>	≤ 18 ppm	Zinc	≤ 1400 ppm	<b>Table 220-B Testing Parameters continued</b> <table border="1"> <thead> <tr> <th>Parameter</th><th>Limit</th></tr> </thead> <tbody> <tr><td>Physical contaminants</td><td>&lt;1% by weight total, not to exceed 25% film plastic by weight</td></tr> <tr><td>Sharps</td><td>0</td></tr> <tr><td>pH</td><td>5 - 10</td></tr> <tr><td>Biologic stability</td><td>Moderately unstable to very stable</td></tr> <tr><td><b>Fecal Coliform<sup>1</sup></b></td><td>&lt;1,000 Most Probable Number per gram of total solids (dry weight).</td></tr> <tr><td><b>Salmonella<sup>1</sup></b></td><td>&lt;3 Most Probable Number per 4 grams of total solids (dry weight).</td></tr> </tbody> </table> <p><sup>1</sup>Fecal Coliform or Salmonella tests, only one is required.</p>	Parameter	Limit	Physical contaminants	<1% by weight total, not to exceed 25% film plastic by weight	Sharps	0	pH	5 - 10	Biologic stability	Moderately unstable to very stable	<b>Fecal Coliform<sup>1</sup></b>	<1,000 Most Probable Number per gram of total solids (dry weight).	<b>Salmonella<sup>1</sup></b>	<3 Most Probable Number per 4 grams of total solids (dry weight).
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(ii) Facility conducts analysis according to the requirements of Table 220-B. Compost testing frequency is based on volume of compost produced annually as required by subsection (4)(a)(x)(B): A representative sample of composted material must be tested for every 5,000 cubic yards produced, or every three hundred sixty-five days, whichever is more frequent. The jurisdictional health department may modify the frequency of testing.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																															
(iii) Submit annual reports and results of composted material analysis to the department and the jurisdictional health department by April 1 <sup>st</sup> of each calendar year. Annual reports must be submitted on forms provided by the department.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																															



**ADDITIONAL COMMENTS/REQUIREMENTS:**

**FOR OFFICIAL USE ONLY**

- ☐ Permit Required
- ☐ Permit Exempt As Proposed
- ☐ More Information Needed

Inspector \_\_\_\_\_

Date \_\_\_\_\_





# Notice of Intent to Operate Under Terms and Conditions for Solid Waste Permit Exemption

Chapter 173-350 WAC, Solid Waste Handling Standards

Identification Number  
(For official use only)

Use F11 to move between fields in Word version.

## PART 1. General Information

Name of Facility:

Date:

☐ Currently operating. Date operations started: \_\_\_\_\_

☐ Plan to start operations on \_\_\_\_\_

Company Name, Government Entity:

Contact Name and Position in Company/Government Entity:

Contact Mailing Address:

Contact phone:

E-mail:

Contact information is for (check one):

☐ Facility owner

☐ Facility operator

☐ Facility owner/operator

Facility address (if different than mailing address):

County where facility is located:

Facility phone:

Facility website:

Describe how close the operation will be to surface water and approximate depth to groundwater (if known):

## PART 2. Type of Exemption

In accordance with chapter 70.95 RCW, *Solid Waste Management – Reduction and Recycling*, the activities listed herein are exempt from solid waste handling permitting. An owner or operator that does not comply with the terms and conditions for exemption must obtain a permit from the jurisdictional health department and comply with applicable requirements for the solid waste handling activity. In addition, RCW 70.95.315 authorizes penalties for failure to meet the terms and conditions of exemption.

Mark all solid waste handling activities/facilities that are included in this notification of exemption. If the activity/facility does not fit the description below in its entirety, do not fill out this form. Please contact the Washington Department of Ecology to determine what, if any, solid waste regulations apply (phone numbers are at the end of this form).

☐ **Material recovery facility** per WAC 173-350-310(2). Mark this box if you are collecting, compacting, repackaging or sorting recyclables for purposes of transport.

☐ **Recycling** per WAC 173-350-210. Recycling is the *transformation or remanufacturing* of waste materials into usable or marketable materials. Mark this box only if you are recycling as described.

☐ **Inert waste pile(s)** per WAC 173-350-320(1)(d)

☐ **Moderate risk waste mobile system or collection event** per WAC 173-350-360(2)

☐ **Limited moderate risk waste handling** per WAC 173-350-360(3)

☐ **Composting** of feedstocks that may include all organic feedstocks. Composting facility will have greater than 25 but no more than 250 cubic yards of all materials on-site at any one time, not to exceed 1,000 cubic yards feedstocks processed in a calendar year. WAC 173-350-220 Table 220-A(2)

Continued on next page...



- ☐ **Composting** of yard debris, crop residue, manure and bedding and/or bulking agents. Composting facility will have greater than 25 but no more than 500 cubic yards of all materials on-site at any one time, not to exceed 2,500 cubic yards feedstocks processed in a calendar year. WAC 173-350-220 Table 220-A(3)
- ☐ **On-farm composting** of agricultural wastes, yard debris and/or bulking agents. Composting facility will have greater than 25 but no more than 1,000 cubic yards of agricultural wastes and bulking agents on-farm at any one time, and up to 50% of organic materials on-farm may be yard debris. Composting facility will manage more than 25 cubic yards of imported yard debris on-site at any one time or if managing only agricultural waste will distribute materials off-farm. WAC 173-350-220 Table 220-A(4)
- ☐ **On-farm, or on-site for zoos, composting** of agricultural wastes, manure and bedding from zoos and/or bulking agents. Composting facility will have greater than 25 cubic yards of all materials on-farm, or on-site for zoos, at any one time. Composting facility will distribute composted materials off-farm, or off-site for zoos. WAC 173-350-220 Table 220-A(5)
- ☐ **Vermicomposting** that may include all organic feedstocks. Vermicomposting facility will have greater than 25 but no more than 250 cubic yards of material generated on- or off-site, or up to 1,000 cubic yards of material generated on-site at any one time. WAC 173-350-225 Table 225-A(2)
- ☐ **Vermicomposting** of preconsumer vegetative food waste, yard debris, crop residue, manure and bedding and/or bulking agents. Vermicomposting facility will have greater than 25 but no more than 1,000 cubic yards of all materials on-site at any one time. WAC 173-350-225 Table 225-A(3)
- ☐ **Other conversion technologies** that may include all organic feedstocks. Facility will have greater than 5,000 but no more than 50,000 gallons of liquid or semi-solid material on-site at any one time or greater than 25 but no more than 250 cubic yards of nonliquid material on-site at any one time. WAC 173-350-225 Table 225-A(4)
- ☐ **Anaerobic digesters** that may include all organic feedstocks. Facility will have greater than 5,000 but no more than 50,000 gallons of liquid or semi-solid material on-site at any one time or greater than 25 but no more than 250 cubic yards of nonliquid material on-site at any one time. The facility will receive organic materials from off-site or distribute them off-site. WAC 173-350-250 Table 250-A(2)
- ☐ **Anaerobic digesters** that include livestock manure from on- or off-site and organic feedstocks that are not from municipal, commercial or residential solid waste collection programs. Imported organic feedstocks will be preconsumer and if likely to contain animal by-products, will be source separated at a facility licensed to process food by applicable regulatory agencies. Imported organic feedstocks that contain bovine processing waste will be derived from animals approved by the USDA and not contain any specified risk material. Imported organic feedstocks will not contain sheep carcasses or sheep processing waste. At least 50% of feedstock volume will be livestock manure and imported, nonmanure feedstocks will be no more than 30% of total feedstock volume processed. WAC 173-350-250 Table 250-A(3)

## PART 3. Facility Details

Provide the information below for each activity/facility included in this notification of exemption. You may attach a separate document or, if using this form in Word version, provide the information following each numbered item.

- ☐ **Recycling** per WAC 173-350-210
- ☐ **Material recovery facility** per WAC 173-350-310(2)

**Provide the information below. The Washington Department of Ecology will use the information to decide if the facility will meet terms and conditions for permit exemption. Please answer thoroughly.**

1. List specific types of solid waste accepted at the facility.
2. Describe how operators will ensure that they accept only source separated materials.
3. Describe how operators will store, recycle (if applicable) and market each material.
4. If stored outside, indicate how long materials will be stored.
5. Describe how operators will record amount and type of materials received, recycled and disposed (in tons). Attach form or computer printout if available. The facility will need to report these figures annually on a form the Department of Ecology will send to you.
6. For material recovery facilities, describe how operators will ensure they accept no more than 5% total waste received by weight or 10% by weight per load of incidental and accidental solid waste.
7. Verify that you have read and understand the terms and conditions for a solid waste permit exemption in either WAC 173-350-210 or WAC 173-350-310(2)



☒ **Composting per WAC 173-350-220 Table 220-A(2)**

☐ **Composting per WAC 173-350-220 Table 220-A(3)**

☒ **On-farm composting per WAC 173-350-220 Table 220-A(4)**

Provide the information below. The Washington Department of Ecology will use the information to decide if your facility will meet terms and conditions for permit exemption. Please answer thoroughly.

1. Briefly describe how operators will store and process materials, including structures used (storage pad, leachate collection, etc.).
2. List specific types of feedstocks to be composted.
3. List the source(s) of each type of feedstock.
4. Specify the maximum volume (cubic yards) of materials that may be on-site at any one time, which includes feedstocks, active composting, curing piles and composted materials.
5. For facilities other than those under WAC 173-350-220 Table 220-A(4), specify the maximum volume (cubic yards) of feedstocks to be composted in a calendar year.
6. Specify where composted materials will be used (used on-site or on-farm, distributed off-site or to other farms, etc).
7. For facilities that distribute composted materials off-site or off-farm, list specific parameters operators will test to analyze composted materials to demonstrate it meets compost quality standards of WAC 173-350-220(4) Table 220-B before distribution. Specify how often operators will test materials and describe how operators will obtain representative samples for analysis.
8. For facilities that distribute composted materials off-site or off-farm, describe how operators will manage the operation to reduce pathogens to meet limits set by WAC 173-350-220 Table 220-B.
9. Describe how operators will manage materials to prevent nuisance odors and the attraction of vectors.
10. Describe how operators will record amount and type of feedstock received, amount of compost produced and amount used or distributed. Attach form or computer printout if available. The facility will need to report these figures annually on a form the Department of Ecology will send to you.
11. Verify that you have read and understand the terms and conditions for a solid waste permit exemption in WAC 173-350-220 (1)(b) and (c).

☐ **On-farm, or on-site for zoos, composting per WAC 173-350-220 Table 220-A(5)**

Provide the information below. The Washington Department of Ecology will use the information to decide if your facility will meet terms and conditions for permit exemption. Please answer thoroughly.

1. Briefly describe how operators will store and process materials, including structures used (storage pad, leachate collection, etc.).
2. List specific types of feedstocks to be composted.
3. List the source(s) of each type of feedstock accepted.
4. Specify the maximum volume (cubic yards) of materials on-site at any one time, which includes feedstocks, active composting, curing piles and composted materials.
5. List specific parameters operators will test to analyze composted materials to demonstrate it meets compost quality standards of WAC 173-350-220(4) Table 220-B before distribution. Specify how often operators will test materials and describe how operators will obtain representative samples for analysis.
6. Describe how operators will manage the operation to reduce pathogens to meet limits set by WAC 173-350-220 Table 220-B.
7. Describe how operators will manage materials to prevent nuisance odors and the attraction of vectors.
8. Describe how operators will record amount and type of feedstock received, amount of compost produced and amount used or distributed. Attach form or computer printout if available. The facility will need to report these figures annually on a form the Department of Ecology will send to you.
9. For dairies, describe how composting is part of the dairy nutrient management plan required by chapter 90.64 RCW.
10. For farms other than dairies, describe how composting is part of a farm management plan written in conjunction with a conservation district, a qualified engineer, or other agricultural professional able to certify that the plan meets applicable conservation practice standards in the USDA *Washington Field Office Technical Guide*, code 37, produced by the Natural Resource Conservation Service.
11. Verify that you have read and understand the terms and conditions for a solid waste permit exemption in WAC 173-350-220 (1)(b) and (c).



## Economy Topsoil

\$20.00 A Yard

50% Sand  
45% Compost  
5% Peat

This mix has an abundance of nutrients. Drains well and is easy to handle

## Fine Red Bark

\$24.00 A Yard

Great non-nutrient mulch  
Use as top dressing  
Releases water like a sponge  
Suppresses weeds

## Pin Chips

(Course Sawdust)  
\$14.00 A Yard

## Alder Sawdust

\$12.00 A Yard

## Sand or Pitrun

\$14.00 A Yard

## Peat

\$20.00 A Yard

Highly organic  
Great for water retention  
Produces a lot of nitrogen

Has ancient diatoms and thousands of different microscopic organisms

## Washed Dairy Manure

\$28.00 A Yard

Looks and handles like half rotted sawdust  
Very little smell  
Usually has lots of worms  
Not composted to promote live worms and microbes

## Aged Livestock Manure

\$28.00 A Yard

Has not been composted  
Very high in nutrients  
Very high in microbes  
Some smell

# Short's Magical Soil

- Peat
- Compost
- Magical Soil
- Lawn Mix
- Fine Red Bark

## Delivery or U-Pick up

Call for scheduling or large loads  
We accept compostable materials  
We clean manure piles and corals  
(You pay loader costs, we furnish trucking)

1594 Center Rd.  
Chimacum, WA 98325  
360-732-4601  
(360) 301-3521 Cell

2013 © Prices vary due to fuel prices



## **Lawn Mix** **\$23.00 a yard**

Highly organic soil  
Great for water retention  
Great for nitrogen.

## **Magical Soil** **\$23.00 a yard**

A blend of compost and peat  
With or without 10% sand  
Plant directly into Magical Dirt.

## **Compost** **\$23.00 a yard** (course screened) **\$28.00 a yard** (fine screened)

Excellent source of plant nutrients  
Composted of livestock manures  
Composted bedding & feed waste  
Great nutrient mulch



## **DELIVERY PRICES - ALL PRICES INCLUDE SALES TAX**

### **TRUCK DELIVERY**

#### **Zone 1**

E. Jefferson Co  
N. Big Quil River  
8 yards - \$80.00  
15 yards - \$110.00

#### **Zone 2**

Brinnon  
N. Kitsap  
8 yards - \$130.00  
15 yards - \$165.00

#### **Zone 3**

Bainbridge  
Silverdale  
Port Angeles  
8 yards - \$170.00  
15 yards - \$200.00

### **TRUCK DELIVERY**

#### **Zone 1**

E. Jefferson Co  
N. Big Quil River  
8 yards - \$265.00  
15 yards - \$455.00

#### **Zone 2**

Brinnon  
N. Kitsap  
8 yards - \$314.00  
15 yards - \$510.00

#### **Zone 3**

Bainbridge  
Silverdale  
Port Angeles  
8 yards - \$354.00  
15 yards - \$545.00

### **TRUCK DELIVERY**

#### **Zone 1**

E. Jefferson Co  
N. Big Quil River  
8 yards - \$265.00  
15 yards - \$455.00

#### **Zone 2**

Brinnon  
N. Kitsap  
8 yards - \$314.00  
15 yards - \$510.00

#### **Zone 3**

Bainbridge  
Silverdale  
Port Angeles  
8 yards - \$354.00  
15 yards - \$545.00



# Frequently asked Questions

1. Are your materials certified organic? No. The added documentation would cost about \$2.00 per yard. We do not use any materials or products that would not meet certifying standards.

2.

What is a yard? A cubic yard is 27 cubic feet. Multiply the length (in feet) times the width (in feet) times the depth (in feet) divided by 27 equals cubic yards. How many yards will it take to fill a raised bed that measures 4 feet by 32 feet 18 inches deep?  $4 \times 32 \times 1.5$  divided by 27 = 7.11 yards. A small pickup can usually haul 1 yard.

3. Do you deliver? Yes we deliver. Delivery rates are based on full load sizes, 8 yards or 15 yard loads. Some of the heavy mixes will require a smaller load and the bark and chips we can haul up to 14 yards or 22 yards.
4. Can I haul my materials? Yes you can. We will load your truck (best to call 301-3521 to be sure someone is here).
5. Why do you call your soil Magical? We get nutritional and microbial benefits beyond the sum of the individuals. It is synergetic.  $2+2=6$ . The compost nutrients complement the peat nutrients to improve the ratio of nutrient in the soil. Microbes are necessary to make the nutrients available in a form plants can use.
6. Do you have weed seed in your soils? Yes, a few. If we cook the soil enough to kill all the weed seeds we have probably killed all the microbes. If this happens we get alcohols and formaldehydes.
7. Why is your Magical Soil so sticky? Yes we do struggle to maintain proper moisture. High level of organic matter holds water in our stock piles. Rain does not help. We can reduce the problem by adding sand to the mix. Every unit of organic material removed requires adding a unit of sand. This lowers the nutrients and soil life.
8. Can I plant directly into your compost? I do not recommend planting directly into compost.



9. Do you test for your heavy metals? Yearly we test for EPA heavy metals. We have always been way under the standards. See results of our tests on this website under soil testing.
10. What is the pH of your materials? The pH is right around 6.<sup>2</sup> See the soil test section. If you want to add a little lime, be sure it was does not have magnesium.



# Valley View Dairy Compost Plan

Roger & Sandy Short  
1720 Center Rd  
facility entrance  
1594 Center Rd.  
Chimacum, Washington 98325  
(360) 732-4601 House 301-3521 Cell 732-7255

A red stamp with a box containing the letters 'CC' and the text 'COPY From Original File' in a handwritten style.

(cell) 301-3521

## History of Dairy

**1970** Roger Purchased dairy from father

**1970-March 2003** Milked up to 320 head of Holstein cows plus raising 300 young stock and farmed about 500 acres, ½ owned and ½ leased.

**2002** Adopted and certified state "Dairy Nutrient Plan"

**2003** Sold the milking herd because of depressed milk prices while keeping 200 heifers and all acreage to raise hay which will be sold.

## History of Peat Soil and Manure Sales

In 1998 Roger started helping his father with his soil business and making all deliveries. Then in 2003 Roger fully took over the business which has annual sales of about \$40,000.

## Compost Training

Roger attended Compost Facility Operator Training in April of 2003. The training was sponsored by Washington Organic Recycling Council and held at WSU Puyallup. He learned a lot, and made contact with Peter Moon, who has now been retained for consulting at a cost of \$4800

**Peter Moon**, a nationally known composting consultant engineer who is going to be working closely with the composting process, the monitoring of the product and help with the analysis and concerns that the operator or he has.

127 Ave A suite 2  
Snohomish, WA 9829  
360-563-6709 Toll Free 800-611-3718 Fax 360-563-5190.



### Compost Plan- Using Raw materials Feed stock

1. Manure from the old Dairy operation and the remaining herd
2. Waste feed
3. Dairy bedding and wood shavings
4. Ground yard waste from Port Townsend Compost which will be used as bulking material
5. Provide a site for other farmers who may not have adequate storage for protecting the water quality.

### Compost Plan

1. Sell compost to home owners, gardeners, landscapers, and environmental improvement projects
2. Sell compost to organic farmers
3. All extra compost which may not meet specs will be used on Roger's farm

### Composting Procedure

1. Use a aerated static pile method of composting
2. Need to add a bulking material to the dairy manure. The bulking material is not generated on the farm
3. Will follow procedure out lined in Washington Organic Recycling Council Compost Facility Operator Training Manual
4. Will maintain 131 degree for 14 days
5. Use a temperature probe
6. To much moisture in feedstock will be the major concern to overcome
7. Composting will take place on a concrete slab that drains to the dairy's present liquid manure storage. It will not be under a roof.
8. Finished compost will be stored under a roof of an un used dairy shed. Sheds drain to liquid manure storage

### Environmental Concerns

1. Water:
  - A. all roofs are guttered and drained away from building to a grass filter area
  - B. composting, screening, mixing, final storage and loading take place on concrete slabs that drain to the dairy liquid manure storage.
  - C. Chimacum creek is about 600 feet from composting area



2. Odor:
  - A. Non farm homes are not a concern. The nearest one is over 1/4 mile.
  - B. Highway is only 100 feet from feed stock holding area and is east of the composting site.
  - C. prevailing wind from South
  - D. Care will need to be taken to prevent anaerobic respiration because of wet material
  - E. Dairy manure and dairy feed waste are high Nitrogen which can cause Order under both aerobic conditions, and anaerobic conditions
3. Dust will be minimal
4. Nearest well is about 2000 feet
5. Creek is about 500 feet

### Size of Operation

Sales of aged manure is less then 500 yards per year. With having about 500 yards in the processing of the composting plan.

### Feed Stock

1. manure stored on dairy
1. bulking material about 500 yards at anytime

### Basis For Permit Exemption:

WAC 173-350-220 (composting facilities) "b" says, In accordance with RCW 70.95.305, the operation of the following activities in this subsection are subject solely to the requirements of (c) this subsection are exempt from solid waste handling permitting."

Solid waste handling permit exemption category is WAC 173-350-220, 1, b, ix, "Agriculture composting," when any of the finished product is used off site and meets the following requirements:

(A). more than 40 cubic yards, but less than 1000 cubic yards of agricultural waste is on site at any time; and (B) Agricultural composting is managed according to a farm management plan written in conjunction with a conservation district, a qualified engineer, or other agricultural professional able to certify that the plan meets applicable conservation practice standards in the Washington Field Office Technical Guide produced by NRCS

### Terms and Conditions to Maintain Exempt Status:

1. Comply with performance standards of WAC 173-350-040
2. Protect surface water and ground water through the use of best management practices and all known available and reasonable methods of prevention, control, and treatment as appropriate. This includes, but is not limited to, setbacks from



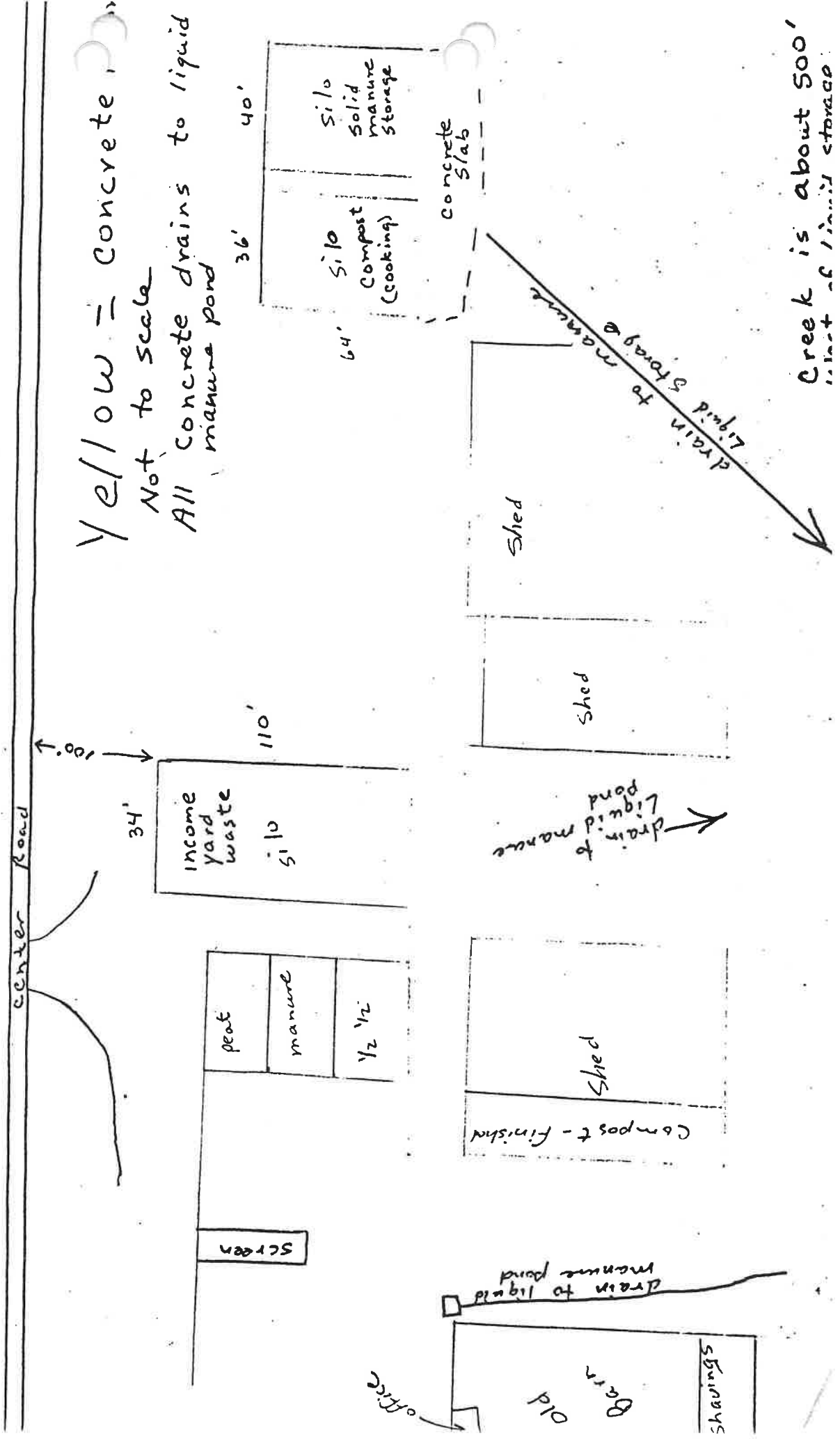
- wells, surface waters, property lines, roads public access areas, and site- specific setback when appropriate.
3. Control nuisance orders to prevent migration beyond property boundaries.
  4. Manage the operation to prevent attraction of flies, rodents, and other vectors
  5. Conduct an annual analysis, prepared in accordance with requirements of subsection (4)(a)(viii)
  6. Prepare and submit an annual report to the department and the jurisdictional health department by April 1<sup>st</sup> . The annual report shall be on forms supplied by the department and shall detail facility activities during the previous calendar year and shall include the following information.
    - a. Name and address of the facility;
    - b. calendar year covered by the report;
    - c. annual quantity and type of feed stocks received, and compost produced in tons.
    - d. Annual quantity of compost material sold or distributed, in tons
    - e. Results of the annual analysis
    - f. Any additional information required by written notification of the department;
  7. Allow the department or the jurisdictional health department to inspect the site at reasonable times.
  8. The department and jurisdictional health department shall be notified in writing thirty days prior to beginning any composting activity. Notification shall include name of owner or operator, location of compost operation and identification of feed stocks. Also include site plan, feed stocks, aeration process, operations plan, volumes and drainage.

Analyze composted material for ( section 4,a,viii.)

- A. Metals in Table A at the minimum frequency listed in Table C. Compost facilities composting only type 1 and type 2 feedstocks are not required to test for molybdenum and selenium. Testing frequency is based on the feedstock type and the volume of feedstocks processed per year;
- B. Parameters in table B at the minimum frequency listed in Table C. Testing frequency is based on the feedstock type and the volume of feedstocks processed per year;
- C. Nitrogen content at the minimum frequency listed in Table C and;
- D. Biological stability as outlined in United states composting Council Test Methods for the Examination of Composting and compost at the minimum frequency listed in Table C
- E. The jurisdictional health department may require testing of additional metal or contaminants, and /or modify the frequency of testing based on historical data for a particular facility, to appropriately evaluate the composed material.



# Valley View Dairy Compost

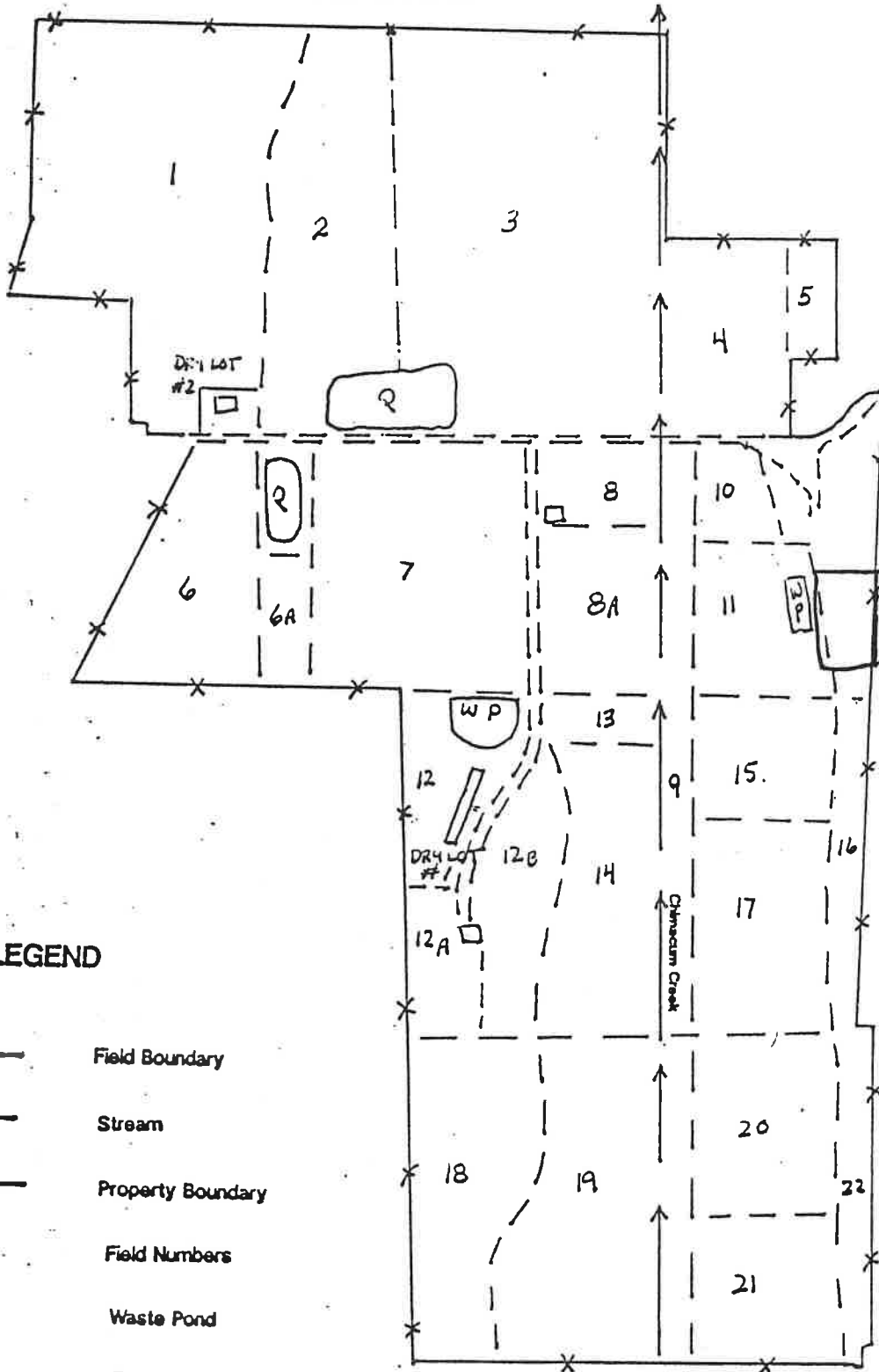




# FIELD MAP

Home Place

Valley View Dairy  
1594 Center Rd  
Chimacum, wa. 98325



Scale 1" = 660'

← Composting site

## LEGEND

- Field Boundary
- Stream
- Property Boundary
- Field Numbers
- Waste Pond
- Freshwater Pond



**JEFFERSON COUNTY  
DEPARTMENT OF COMMUNITY DEVELOPMENT  
UNIFIED DEVELOPMENT CODE  
LAND USE REVIEW**

**APPLICANT:** ROGER D SHORT  
1720 CENTER RD  
CHIMACUM WA 983259779

**DATE ISSUED:** November 4, 2003  
**DATE EXPIRES:**

**MLA NUMBER:** MLA03-00600

**COPY**  
From Original File

**PROJECT PLANNER:** K RUSSELL

**PROJECT DESCRIPTION:**

Take ground yard waste from PT Compost to use as bulking material for composting of dairy manure. There is no new or additional building, or concrete. No Jefferson County permit required. Consistency Review, no fees, see PRE03-00037

**PROJECT LOCATION:**

**FINDINGS:**

- 1.) The Administrator finds that this application complies with applicable provisions of the Unified Development Code, all other applicable ordinances and regulations, and is consistent with the Jefferson County Comprehensive Plan and Land Use map.
- 2.) The application was reviewed by the Jefferson County Department of Community Development staff on 11/03/03 for the potential presence of Environmentally Sensitive Areas (ESAs) under the provisions of the Unified Development Code (UDC). After an initial Geographic Information Systems mapping review and an investigative site inspection, the following ESAs were confirmed to be present on the subject property: Type III Stream, Wetlands, Landslide I (low), Floodplain, and Susceptible Aquifer Recharge Area.
- 3.) Susceptible Aquifer Recharge Areas are those with geologic and hydrologic conditions that promote rapid infiltration of recharge waters to groundwater aquifers.
- 4.) Aquifer Recharge Areas in Jefferson County are characterized by porous geological formations that allow percolation of the surface water into the soils and the underlying zone of saturation. Aquifers are geologic formations that contain sufficient saturated permeable material to yield significant quantities of water to wells and springs. Aquifers serve as the source of drinking water within most of the rural portions of Jefferson County.
- 5.) The proposal is located approximately 600-feet from the identified Type III stream.
- 6.) The proposal is in conjunction with existing and on-going activities associated with agriculture. The property is zoned AG-20 and is exempt from the wetland regulations pursuant to 3.6.9(c)(v) of the UDC.
- 7.) The parcel is located within a designated Floodplain. However, this activity will be located above the flood zone and within the existing improved area. The Jefferson County Flood Damage Prevention Ordinance (Ordinance No. 18-1120-95) describes duties of the responsible official. Section 4.201(11) allows the administrator to render interpretations of the floodplain's location. The new composting area will be sited entirely within the existing developed area.
- 8.) The property contains landslide hazard areas. However, no new structural development is taking place on the parcel. All existing structural development is already located on the property.
- 9.) Jefferson County determined that this proposal is categorically exempt from review under the State Environmental Policy Act (SEPA) pursuant to WAC 173-350-220I,b,ix.
- 10.) The site plan as submitted with the zoning application on 10/16/03 has been reviewed for consistency under the UDC, and has been approved by Jefferson County Department of Community Development. Any modifications, changes, and/or additions to the stamped, approved site plan dated 11/03/03 shall be resubmitted for review and approval by Jefferson County Department of Community Development.
- 11.) This approval is for composting. Any future permits on this site are subject to review for consistency with applicable codes and ordinances and does not preclude review and conditions which may be placed on future permits.
- 12.) This proposal has a compost plan drafted in accordance with WSU extension office. The plan has received



review under the Jefferson County Environmental Health Dept. and has been sent to DOE for approval.

**NOTICE:** This permit does not excuse the proponent from complying with other local, state, and federal ordinances, regulations, or statutes applicable to the proposed development.

Development pursuant to this permit shall be undertaken subject to the applicable development and performance standards of the Jefferson County Unified Development Code.

If during excavation or development of the site an area of potential archaeological significance is uncovered, all activity in the immediate area shall be halted, and the Administrator shall be notified at once.

The Federal Endangered Species Act rules to protect threatened Chinook and Summer-run Chum salmon became effective on January 8, 2001. Bull trout have been listed as threatened since early 2000. Under the ESA, any person may bring lawsuit against any individual or agency that "takes" listed species (defined as causing harm, harassing, or damaging habitat for the listed species). In addition, the National Marine Fisheries Service can levy penalties. All areas in Jefferson County are included as "critical habitat" for a listed species. Development of property along any marine shoreline, freshwater shoreline, or floodplains could harm habitat if protective measures are not taken. To minimize the potential to damage habitat, all property owners developing adjacent to marine shoreline, freshwater shoreline, or floodplains are advised to do the following:

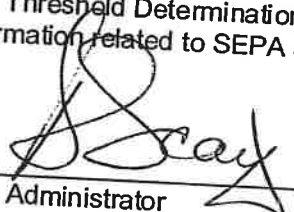
- Set back buildings, utilities and roads as far as possible from surface waters (streams, rivers, lakes, marine waters), or at least 150 feet from the edge of the water
- All development activities should avoid unstable slopes, wetlands, and forested areas near surface waters
- Remove minimal vegetation for site development, especially large trees
- Allow trees that have fallen into surface waters to remain there
- Infiltrate stormwater from buildings and driveways onsite through drywells rather than discharging directly into surface waters or roadside ditches

Any individual, group, or agency can bring suit for a listed species "taking", even if you are in compliance with Jefferson County development codes. The risk of a lawsuit against you can be reduced by consulting with a professional fisheries habitat biologist, and following the recommendations for site development provided by the biologist. For more information, contact the National Marine Fisheries Service in Seattle at (206)526-6613, or the U.S. Fish and Wildlife Service at (503) 231-6121.

#### **APPEALS:**

Pursuant to RCW 36.70C, the applicant or any aggrieved party may appeal this final decision to Jefferson County Superior Court within twenty-one (21) calendar days of the date of issuance of this land use decision. For more information related to judicial appeals see UDC Section 8.5.2.

The Threshold Determination for this Type I Permit may not be appealed to the Hearing Examiner. For more information related to SEPA appeals see UDC Section 8.10.12.

  
UDC Administrator

11/4/03



## Amanda Hsu

---

**From:** Rockett, Derek (ECY) <droc461@ecy.wa.gov>  
**Sent:** Thursday, October 15, 2020 4:33 PM  
**To:** Amanda Hsu  
**Cc:** Pinky Mingo  
**Subject:** RE: Short's Family Farm - Composting (Permit #2618)

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

Hi Amanda,

He is not exempt. I had called him to let him know that he needed to submit his report. Roger told me that he could not get the lab results as they were closed due to the pandemic. I asked him to submit the report without the lab results as Ecology needs to finalize the larger annual composting report and that he could submit the lab results when and if he could at a later date.

I spoke with Roger this afternoon and explained that there was some miscommunication and that he was not exempt and still needed to try and obtain the lab results as he is distributing material off-site.

Hope that this helps and please let me know if you have any questions/comments

Derek

-----Original Message-----

From: Amanda Hsu <AHsu@co.jefferson.wa.us>  
Sent: Wednesday, October 14, 2020 9:36 AM  
To: Rockett, Derek (ECY) <droc461@ecy.wa.gov>  
Cc: Pinky Mingo <pmingo@co.jefferson.wa.us>  
Subject: Short's Family Farm - Composting (Permit #2618)

THIS EMAIL ORIGINATED FROM OUTSIDE THE WASHINGTON STATE EMAIL SYSTEM - Take caution not to open attachments or links unless you know the sender AND were expecting the attachment or the link

Hi Derek,

Would you be able to provide context to Mr. Short's note receiving an exemption for lab analyses (page 2)?

Many thanks,

Amanda Hsu  
Gender Pronouns: she/her/hers  
Environmental Health Specialist I  
Jefferson County Public Health



615 Sheridan Street  
Port Townsend, WA 98368  
360-379-4482  
ahsu@co.jefferson.wa.us

| <https://gcc02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fjeffersoncountypublichealth.org%2F&data=02%7C01%7Cd9c461%40ecy.wa.gov%7Cfb5408302ceb43faf5af08d8705f3510%7C11d0e217264e400a8ba057dcc127d72d%7C0%7C637382901691049249&sdata=e%2FLD3TMEfRqNcDoNM78WsU970MQTykGZEhdUhxVX0Do%3D&reserved=0>

#### IMPORTANT CHANGES DURING COVID-19

The Environmental Health front desk is not available for walk-in customer service. We will continue to provide service over the phone and email; and if absolutely necessary, schedule walk-in appointments. We thank you for your cooperation, and kindly ask that if you are sick, please refrain from scheduling an appointment or cancel your existing one.

Always working for a Safer and Healthier Jefferson County **CONFIDENTIALITY NOTICE:** This e-mail message, including any attachments, is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure, or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message.

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\*\*\*Email may be considered a public record subject to public disclosure under RCW 42.56\*\*\*



# COMPOSTING FACILITY REPORT

Facility Name: <i>Shorts Family Farm</i>	Report for calendar year: <i>2019</i>	Permit Number (if applicable): <i>2618</i>
Facility Location (Street address): <i>1594 Center Road site Chimacum, WA 98325</i>	County: <i>Jefferson</i>	Facility Contact Email: <i>rshort42@gmail.com</i>
Facility Contact (name): <i>Roger Short</i>	Facility Phone: <i>360 301 3521</i>	
Facility Contact Mailing Address (if different): <i>1720 Center Road</i>	Facility Contact Phone (if different):	
Operator (Company/Business): <i>Roger Short</i>	Operator Contact (Name): <i>Roger Short</i>	
<p>Did you operate during 2019?</p> <p><input checked="" type="checkbox"/> Yes If yes, please complete this form.</p> <p><input type="checkbox"/> No If no, when did you stop operations? (enter day/month/year)</p> <p>Do you plan to restart? <input type="checkbox"/> No <input type="checkbox"/> Yes When? (enter day/month/year)</p> <p>If you didn't operate, print name and date below and return form. This completes your reporting obligations.</p> <p>PREPARED BY: (print name) _____ Date: _____</p>		

**RECEIVED**

**OCT 13 2020**

JEFFERSON COUNTY  
ENVIRONMENTAL PUBLIC HEALTH



Is this facility open to the public?

No

Yes

Limited

Tip fee (per ton or per cubic yard, not total fees). Attach schedule if available. \$ 5<sup>00</sup> per load

During the reporting year, were there any changes in your management practices that impacted your operations?

No

Yes (specify)

Are there any new solid waste activities planned at your site for 2020?

No

Yes (specify)

Planned start date (enter day/month/year):

Annual summary of lab analyses of composted material is attached (check box)

Exempted by phone 10-8-20

Composting Systems Used (check all that apply)

☐ Turned windrow

☒ Aerated turned mass bed

☐ Other (Specify)

☐ Actively aerated static pile

☒ Passively aerated static pile

☐ In-vessel (containerized)



Feedstocks Composted	Report amounts below in tons <u>OR</u> cubic yards (CY)	List county and state that it came from (if multiple counties and/or states, list amounts from each) <sup>1</sup>	Percent from <sup>3</sup> commercial and <sup>2</sup> residential sources	
<input type="checkbox"/> Food waste (post-consumer) <sup>4</sup>	<input type="checkbox"/> Tons <input type="checkbox"/> CY		% Commercial	% Residential
<input type="checkbox"/> Mixed yard debris/Food waste	<input type="checkbox"/> Tons <input type="checkbox"/> CY		% Commercial	% Residential
<input checked="" type="checkbox"/> Yard debris	1000 <input type="checkbox"/> Tons <input checked="" type="checkbox"/> CY	Washington	% Commercial	% Residential
<input type="checkbox"/> Agricultural organics (vegetative) <sup>5</sup>	500 <input checked="" type="checkbox"/> Tons <input type="checkbox"/> CY	waste grass from farm	n/a	
<input type="checkbox"/> Biosolids (WET <input type="checkbox"/> or DRY <input checkbox"="" type="checkbox/&gt;)&lt;/td&gt; &lt;td&gt;&lt;input type="/> Tons <input type="checkbox"/> CY		n/a		
<input type="checkbox"/> Food processing waste (pre-consumer) <sup>6</sup>	<input type="checkbox"/> Tons <input type="checkbox"/> CY		n/a	
<input type="checkbox"/> Industrial organics <sup>7</sup> Specify type:	<input type="checkbox"/> Tons <input type="checkbox"/> CY		n/a	
<input type="checkbox"/> Landclearing debris	<input type="checkbox"/> Tons <input type="checkbox"/> CY		n/a	
<input checked="" type="checkbox"/> Manure (may include bedding) Specify type:	200 <input checked="" type="checkbox"/> Tons <input type="checkbox"/> CY	Jefferson	n/a	
<input type="checkbox"/> Mortalities and other animal parts	<input type="checkbox"/> Tons <input type="checkbox"/> CY		n/a	
<input checked="" type="checkbox"/> Sawdust/shavings Specify if material was received as a waste or purchased:	1000 <input type="checkbox"/> Tons <input checked="" type="checkbox"/> CY	Jefferson	n/a	
<input type="checkbox"/> Other wood waste (example: untreated lumber, pallets) Specify type:	<input type="checkbox"/> Tons <input type="checkbox"/> CY		n/a	
<input type="checkbox"/> Other organic wastes Specify type:	<input type="checkbox"/> Tons <input type="checkbox"/> CY		n/a	
<b>Materials for Other Uses (not composted)</b>				
<input type="checkbox"/> Materials for Hog Fuel Specify type: If sent off-site, to what facility?	<input type="checkbox"/> Tons <input type="checkbox"/> CY		% Commercial	% Residential
<input type="checkbox"/> Materials for Other Uses (examples: mulch and soil blends) Specify type: If sent off-site, to what facility?	reported with compost <input type="checkbox"/> Tons <input type="checkbox"/> CY	most of compost is sold as soil mix	25 % Commercial	75 % Residential
<b>Materials Disposed (not composted)</b>				
Rejects Type: <b>OVERS</b>	Rejects disposed (tons): <b>400</b>	Name of Disposal Facility: <b>Shorts Family Farm</b>		

<sup>1</sup> You may copy the form for reporting feedstocks from multiple locations.

<sup>2</sup> Includes organic debris from businesses, such as restaurants, grocery stores, farms, office buildings and retail, institutions such as schools and hospitals, and industrial sites such as manufacturers and food processing centers.

<sup>3</sup> Includes organic debris from single- and multi-family homes, self-hauled from residences, and family farms that are not commercial businesses.

<sup>4</sup> Includes food that has reached the final consumer or consumer outlet such as restaurant, grocery store, school or hospital and been discarded.

<sup>5</sup> Includes crop residues and other vegetative organic waste originating from farms.

<sup>6</sup> Includes fish, paunch, and other food processing wastes.

<sup>7</sup> Includes fats, oils, and grease (FOG), lab waste, ash, clarifier solids, and other organic wastes of industrial origin.



Compost Produced	
Name of Product	Report amounts below in tons <u>OR</u> cubic yards (CY)
Compost Sold as Compost	520 <input type="checkbox"/> Tons <input checked="" type="checkbox"/> CY
Compost Sold in Soil mixes	2000 <input type="checkbox"/> Tons <input checked="" type="checkbox"/> CY
Compost Sold with Biochar	90 <input type="checkbox"/> Tons <input checked="" type="checkbox"/> CY
	<input type="checkbox"/> Tons <input type="checkbox"/> CY
	<input type="checkbox"/> Tons <input type="checkbox"/> CY
All Disposition of Compost	
Report amounts below in tons <u>OR</u> cubic yards (CY)	
Sold in same calendar year	1400 <input type="checkbox"/> Tons <input checked="" type="checkbox"/> CY
Total amount stockpiled onsite	300 <input type="checkbox"/> Tons <input checked="" type="checkbox"/> CY
Distributed offsite	<input type="checkbox"/> Tons <input type="checkbox"/> CY
Used onsite	100 <input type="checkbox"/> Tons <input checked="" type="checkbox"/> CY
Other (specify):	<input type="checkbox"/> Tons <input type="checkbox"/> CY

Prepared by (print name): Roger Short	Date: 10-8-2020
Phone: 360 301 3521	
mail: rshort42@gmail.com	



Short's Family Farm  
1594 Center Road, Chimacum WA  
Roger Short 360-301-3521

TACOMA WA 983  
OLYMPIA WA  
9 OCT 2020 PM 2 L



Environmental Health

615 Sheridan  
Port Townsend WA  
98368

98368-247639







DEPARTMENT OF  
ECOLOGY  
State of Washington

## 2017 ANNUAL COMPOSTING FACILITY REPORT

FACILITY NAME: <i>Short's Family Farm</i>	REPORT FOR CALENDAR YEAR: <i>2017</i>	PERMIT NUMBER (if applicable): <i>1596</i>
FACILITY LOCATION (STREET ADDRESS): <i>1594 Center Road - Site</i> <i>1720 Center Road mail</i>	COUNTY: <i>Jefferson</i>	FACILITY CONTACT EMAIL: <i>rshort42@gmail.com</i>
FACILITY CONTACT (name): <i>Roger Short</i>	FACILITY PHONE: <i>360 301 3521</i>	
FACILITY CONTACT MAILING ADDRESS (if different):	FACILITY CONTACT PHONE (if different):	
OPERATOR (Company/Business): <i>Roger Short</i>	OPERATOR CONTACT (Name): <i>Roger Short</i>	

Did you operate during 2017?

☒ Yes If yes, please complete this form.

☐ No If no, when did you stop operations? (enter day/month/year) \_\_\_\_\_

Do you plan to restart? ☐ No ☐ Yes When? (enter day/month/year) \_\_\_\_\_

If you didn't operate, print name and date below and return form. This completes your reporting obligations.

PREPARED BY: (print name) \_\_\_\_\_ Date: \_\_\_\_\_

Are you open to the public?

☐ No ☒ Yes *Limited*

Tip fees (Attach schedule if available) *\$5.00 per load of grass clipping, annual plants, manure, Nothing larger than 3/4" x 6"* *leaves*

During the reporting year, were there any changes in your management practices that impacted your operations?

☒ No ☐ Yes (specify) \_\_\_\_\_

Are there any new solid waste activities planned at your site for 2018?

☒ No ☐ Yes (specify) \_\_\_\_\_

Planned start date (enter day/month/year): \_\_\_\_\_

☐ Attached annual summary of lab analyses of composted material

COMPOSTING SYSTEM USED (check all that apply)

☐ Turned windrow ☒ Aerated turned mass bed ☐ Other (Specify) \_\_\_\_\_

☐ Actively aerated static pile ☒ Passively aerated static pile ☐ In-vessel (containerized)





FEEDSTOCKS COMPOSTED	compost facility (report tons <u>OR</u> cubic yards)		specify amounts from each.) (report tons <u>OR</u> cubic yards)		List county and state that it came from
	Tons	Cubic Yards	Tons	Cubic Yards	
<input type="checkbox"/> Agricultural organics (vegetative) Includes crop residues, etc.	180				
<input type="checkbox"/> Biosolids, specify WET or DRY:	None				
<input type="checkbox"/> Food processing, incl. fish, paunch etc.	None				
<input type="checkbox"/> Food waste, post-consumer	None				
<input type="checkbox"/> Food waste, pre-consumer	None				
<input type="checkbox"/> Food waste (other)	None				
<input type="checkbox"/> Industrial organics (specify): Incl. FOG, lab waste, ash, clarifier solids, etc	None				
<input type="checkbox"/> Landclearing debris	10				
<input checked="" type="checkbox"/> Manure (type): <u>Livestock</u> may incl. bedding	350				
<input type="checkbox"/> Mortalities and other animal parts	None				
<input checked="" type="checkbox"/> Sawdust / shavings				1000	Clallam
<input type="checkbox"/> Other wood debris (specify):					
<input checked="" type="checkbox"/> Yard debris	<del>20</del>	2500			
<input type="checkbox"/> Yard debris/food scraps (mixed)	None				
<input type="checkbox"/> Other (specify):	0				
<b>MATERIALS FOR ENERGY RECOVERY (not composted)</b>					
<input type="checkbox"/> Materials for Hog Fuel If sent off-site, to what facility?					
<input type="checkbox"/> Materials for Anaerobic Digestion If sent off-site, to what facility?					
<b>MATERIALS DISPOSED (not composted)</b>					
Rejects Type:	Name of Disposal Facility: <u>Short's Family Farm same business</u>				
Rejects disposed (tons): <u>210 T</u>					
<b>COMPOST PRODUCED</b> (report tons <u>OR</u> cubic yards)			<b>FINAL DISPOSITION OF COMPOST</b> (report tons <u>OR</u> cubic yards)		
Name of Product	Tons	Cubic Yards		Tons	Cubic Yards
<u>Compost</u>		1800	Sold in same calendar year		1250
			Total amount stockpiled onsite		300
			Distributed offsite		
			Used onsite		1000
			Other (specify):		
PREPARED BY (print name): <u>Roger Short</u>				DATE:	PHONE:
Email: <u>VShort42@gmail.com</u>				<u>6-1-18</u>	<u>3603013521</u>

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# SPECTRA Laboratories - Kitsap

...Where experience matters

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## Certificate of Analysis

Shorts Family Farm  
1594 Center Rd  
Chimacum, WA 98325

Date Received: 4/30/2018

Date Reported: 5/18/2018



Project: Compost

Sample Number: 177203-01

Sample ID: Compost

Description:

Date Sampled: 4/30/2018

Sampler: Roger Short

Test	Result	Units	Method	Date	Initials
Arsenic	2.67	mg/kg dry wt	EPA 3050B/6010 D	5/15/2018	KW
Cadmium	<1.0	mg/kg dry wt	EPA 3050B/6010 D	5/15/2018	KW
Copper	32.9	mg/kg dry wt	EPA 3050B/6010 D	5/15/2018	KW
Lead	2.26	mg/kg dry wt	EPA 3050B/6010 D	5/15/2018	KW
Mercury	<0.03	mg/kg dry wt	EPA7471 B	5/8/2018	KW
Molybdenum	1.16	mg/kg dry wt	EPA 3050B/6010 D	5/15/2018	KW
Nickel	26.5	mg/kg dry wt	EPA 3050B/6010 D	5/15/2018	KW
Selenium	<1.0	mg/kg dry wt	EPA 3050B/6010 D	5/15/2018	KW
Zinc	109	mg/kg dry wt	EPA 3050B/6010 D	5/15/2018	KW

Approved For Release

Nancy Parrott, Laboratory Supervisor





# SPECTRA Laboratories - Kitsap

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May 11, 2018



Shorts Family Farm  
1594 Center Rd  
Chimacum, WA 98325

Lab Work Order #: 177203  
Sample Received: 4/30/18 1155

## Quality Control Report Digest Laboratory Check Standard

Test Parameter	QC Sample ID	True Value mg/kg	Result mg/kg	% Recovery	Acceptance Limits mg/kg	Date Analyzed	Method
Arsenic	LCS050818-1	99.4	97.3	97.9	80 - 120	5/16/18	EPA 3050B/6010D
Cadmium	LCS050818-1	99.4	98.5	99.1	80 - 120	5/16/18	EPA 3050B/6010D
Copper	LCS050818-1	99.4	106	107	80 - 120	5/16/18	EPA 3050B/6010D
Lead	LCS050818-1	99.4	102	103	80 - 120	5/16/18	EPA 3050B/6010D
Mercury	LCS050818-2	0.370	0.346	93.5	80 - 120	5/8/18	EPA 7471B
Molybdenum	LCS050818-1	99.4	98.5	99.1	80 - 120	5/16/18	EPA 3050B/6010D
Nickel	LCS050818-1	99.4	97.2	97.2	80 - 120	5/16/18	EPA 3050B/6010D
Selenium	LCS050818-1	99.4	91.3	91.9	80 - 120	5/11/18	EPA 3050B/6010D
Zinc	LCS050818-1	99.4	96.5	97.1	80 - 120	5/16/18	EPA 3050B/6010D

### Digest Blank

Test Parameter	Blank ID	Result mg/kg	Acceptance Limits mg/kg	Date Analyzed	Method
Arsenic	MBLK050818-1	ND	<1.0	5/16/18	EPA 3050B/6010D
Cadmium	MBLK050818-1	ND	<1.0	5/16/18	EPA 3050B/6010D
Copper	MBLK050818-1	ND	<1.0	5/16/18	EPA 3050B/6010D
Lead	MBLK050818-1	ND	<1.0	5/16/18	EPA 3050B/6010D
Mercury	MBLK050818-2	ND	<0.03	5/8/18	EPA 7471B
Molybdenum	MBLK050818-1	ND	<1.0	5/16/18	EPA 3050B/6010D
Nickel	MBLK050818-1	ND	<1.0	5/16/18	EPA 3050B/6010D
Selenium	MBLK050818-1	ND	<1.0	5/11/18	EPA 3050B/6010D
Zinc	MBLK050818-1	ND	<1.0	5/16/18	EPA 3050B/6010D

Approved for Release,

*Nancy Parrott*

Nancy Parrott  
Laboratory Supervisor  
WDOE Accreditation #C594

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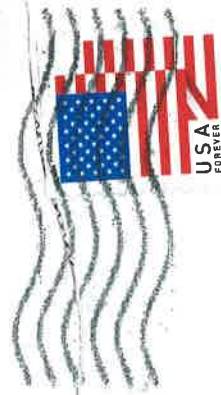


Client Information				Test Parameters Required													
Company/Client: <u>SHORT'S FAMILY FARM ROGER SHORT</u>																	
Address: <u>1594 CENTER RD</u>																	
City: <u>CHIMACUM</u> State: <u>WA</u> Zip: <u>98325</u>																	
Project Manager/Report To: _____																	
Project Name: <u>COMPOST</u> Sampled by: <u>ROGER SHORT</u>																	
Telephone No: <u>360 301-3521</u> Fax No: _____																	
Email address: _____																	
<div style="border: 2px solid blue; padding: 5px; transform: rotate(-5deg); display: inline-block;"> <b>RECEIVED</b>  <b>JUN 06 2018</b>  <b>JEFFERSON COUNTY ENVIRONMENTAL HEALTH</b> </div>																	
Sample ID	Date	Time	Matrix	Hazards	Lab ID												
1 <u>COMPOST</u>	<u>4-30-18</u>		<u>SOIL</u>		<u>MA07-01</u>												
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
<div> <input type="checkbox"/> Routine Disposal  <input type="checkbox"/> Return to Client                 </div>						<div> <input type="checkbox"/> Hazardous sample disposal                      (Cost of disposal will be billed to client)                 </div>						Special Instructions					
Relinquished by: <u>William Short</u> (print) <u>W Short</u> (Signature)						Company <u>Spectra</u> Date <u>4-30-18</u> Time <u>11:55</u>											
Received by: <u>Angela Barajas</u> (print) <u>Angela Barajas</u> (Signature)						Company <u>Spectra</u> Date <u>4/30/18</u> Time <u>11:55</u>											
Relinquished by: _____ (print) _____ (Signature)						Company _____ Date _____ Time _____											
Received by: _____ (print) _____ (Signature)						Company _____ Date _____ Time _____											
Relinquished by: _____ (print) _____ (Signature)						Company _____ Date _____ Time _____											
Received by: _____ (print) _____ (Signature)						Company _____ Date _____ Time _____											
<input type="checkbox"/> Standard (10 Business days) <input type="checkbox"/> Rush (specify date needed): _____ <input type="checkbox"/> Other (specify): _____ * additional charges may apply																	





TACOMA WA 983  
OLYMPIA WA  
04 JAN 2018 PM 4 L



Jefferson Co Environmental Health  
615 Sheridan St  
Port Townsend Wa 98368

98368-247699





# North Olympic

9,000 yard of saw dust

Rebecca - material → not hazardous  
could be permissible to use for  
compost

- bedding - or soak up hillside

- some for compost →

↓  
saw dust coming in?

up above first plain

away from high way -  
on sandy side

permit? includes?

leaching into Disco bay  
want to get rid of it

Nasc  
Margit  
Al Salvi

→ site visit → dump there

old  
10th → work in July

- animal bedding → being used  
no longer a wood waste  
→ good to go

- not concerned w/ animal bed  
PT  
↳ biohazards animal report  
↓  
compost report

animal report form for  
compost facility

Naval →

piles it +



→ where is it coming from?  
permitted under inert waste -  
have they applied for variance  
or be permitted under piles

- amount of material & how off  
it removes → could be exempt



-except from permitting through  
piles

-a variance from inst regs

→



→ heavily  
→

→ heavy loads to 12,000 lb  
→ when used as a foundation  
→ not as a part of wall

→ can be used as a foundation  
→ not as a part of wall





Notification of Exemption from a  
Solid Waste Permit for a Composting Operation  
Under WAC 173-350-220(1)(b)

Identification Number  
(For official use only)

PART I. General Information

Name of facility:

Valley View Dairy

Date Notification Submitted:

6-24-07

Please check appropriate box and complete dates:

☒ Currently operating – date started operations \_\_\_\_\_

☐ Plan to start operations on \_\_\_\_\_

☐ Out of business/closed (date \_\_\_\_\_)

☐ Operations currently suspended, plan to restart \_\_\_\_\_

County where composting operation is located:

Jefferson

Notification is for the following type of operation (see definitions next page):

☐ Composting of Type 1 or Type 2 feedstocks when more than 40 cubic yards and less than 250 cubic yards of material on-site at any one time.

☒ Agricultural composting, when any of the finished compost is distributed off-site, more than 40 cubic yards but less than 1,000 cubic yards of agricultural waste is on-site at any time, and agriculture composting is managed according to a farm management plan written in conjunction with a conservation district, qualified engineer, or other agricultural professional able to certify that the plan meets applicable conservation practice standards in the Washington Field Office Technical Guide produced by the Natural Resource Conservation Service.

☐ Vermicomposting when used to process Type 1 or Type 2 feedstocks generated off-site, limited to 1,000 cubic yards of material on-site at any one time.

☐ Registered dairy distributing compost off-site

Contact Information for (check one)

☒ Facility owner

☐ Facility operator

Company Name, Government Entity, etc.:

Valley View Dairy

Contact Name:

Roger Short

Position in organization: owner

Phone: 360 732 4601  
301 3521 cell

Fax: 360-732 7255

e-mail address: r-short@earthlink.net

Mailing address: 1720 Center

Street:

City: Chimacum

State: Wa

Zip: 98325

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Jefferson County  
Environmental Health

(form continued on back)

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# ANNUAL COMPOSTING FACILITY REPORT 2016

FACILITY NAME: <b>Shorts Family Farm</b>		REPORT FOR CALENDAR YEAR: <b>2016</b>	PERMIT NUMBER (if applicable): <b>1596</b>
FACILITY LOCATION (STREET ADDRESS): <b>1594 Center Road Chimacum 1720 Center Road Wa 98325</b>		COUNTY: <b>Jefferson</b>	FACILITY CONTACT EMAIL: <b>rshort42@gmail.com</b>
FACILITY CONTACT (name): <b>Roger Short</b>		FACILITY PHONE: <b>360 732 4601</b>	
FACILITY CONTACT MAILING ADDRESS (if different):		FACILITY CONTACT PHONE (if different):	
OPERATOR (Company/Business): <b>Roger Short</b>		OPERATOR CONTACT (Name): <b>Roger Short</b>	

**Did you operate during 2016?**

☒ Yes If yes, please complete this form.

☐ No If no, when did you stop operations? (enter day/month/year) \_\_\_\_\_

Do you plan to restart? ☐ No ☐ Yes When? (enter day/month/year) \_\_\_\_\_

**If you didn't operate, print name and date below and return form. This completes your reporting obligations.**

PREPARED BY: (print name) \_\_\_\_\_ Date: \_\_\_\_\_

---

**Are you open to the public?**

☐ No ☒ Yes

**Tip fees** (Attach schedule if available) \_\_\_\_\_

During the reporting year, were there any changes in your management practices that impacted your operations?

☒ No ☐ Yes (specify) \_\_\_\_\_

Are there any new solid waste activities planned at your site for 2017?

☐ No ☒ Yes (specify) **mixing biochar with feedstock**

Planned start date (enter day/month/year): **1-1-17**

☒ **Attached annual summary of lab analyses of composted material**

---

**COMPOSTING SYSTEM USED** (check all that apply)

☒ Turned windrow ☐ Aerated turned mass bed ☐ Other (Specify) \_\_\_\_\_

☐ Actively aerated static pile ☐ Passively aerated static pile ☐ In-vessel (containerized)

(Form continued on back page.)



FEEDSTOCKS COMPOSTED	Feedstocks received from the same county as the compost facility (report tons <u>OR</u> cubic yards)		Feedstocks received from out-of-county, other states or out-of-country (If multiple counties and/or states, specify amounts from each.) (report tons <u>OR</u> cubic yards)		List county and state that it came from
	Tons	Cubic Yards	Tons	Cubic Yards	
<input checked="" type="checkbox"/> Agricultural organics (vegetative) Includes crop residues, etc.	100				
<input type="checkbox"/> Biosolids, specify WET or DRY:	0				
<input type="checkbox"/> Food processing, incl. fish, paunch etc.	0				
<input type="checkbox"/> Food waste, post-consumer	0				
<input type="checkbox"/> Food waste, pre-consumer	0				
<input type="checkbox"/> Food waste (other)	0				
<input type="checkbox"/> Industrial organics (specify): Incl. FOG, lab waste, ash, clarifier solids, etc	0				
<input type="checkbox"/> Landclearing debris	0				
<input type="checkbox"/> Manure (type): may incl. bedding	400				
<input type="checkbox"/> Mortalities and other animal parts	0				
<input checked="" type="checkbox"/> Sawdust / shavings				600	Clallam
<input type="checkbox"/> Other wood debris (specify):	0				
<input type="checkbox"/> Yard debris	800				
<input type="checkbox"/> Yard debris/food scraps (mixed)	0				
<input type="checkbox"/> Other (specify):					
<b>MATERIALS FOR ENERGY RECOVERY (not composted)</b>					
<input type="checkbox"/> Materials for Hog Fuel If sent off-site, to what facility?					
<input type="checkbox"/> Materials for Anaerobic Digestion If sent off-site, to what facility?					
<b>MATERIALS DISPOSED (not composted)</b>					
Rejects Type:	Name of Disposal Facility:				
Rejects disposed (tons): 100	Short's Family Farm				
<b>COMPOST PRODUCED</b> (report tons <u>OR</u> cubic yards)		<b>FINAL DISPOSITION OF COMPOST</b> (report tons <u>OR</u> cubic yards)			
Name of Product	Tons	Cubic Yards		Tons	Cubic Yards
Compost		1500	Sold in same calendar year		1100
			Total amount stockpiled onsite		500
			Distributed offsite		
			Used onsite		400
			Other (specify):		
PREPARED BY (print name): Roger Short				DATE: 5-17-17	PHONE: 360 301 3521
Email:					

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Jefferson County  
Environmental Health



Roger Short  
Short's Family Farm  
1720 Center Rd  
Chimacum, WA 98325

April 25, 2017

Project: Compost  
Sample Date: 4/7/17

Work Order #: 167341  
Sample Received: 4/7/17 1040

## Quality Control Report

Test Parameter	QC Sample ID	Laboratory Check Standard			Date Analyzed	Method
		True Value mg/kg	Result mg/kg	% Recovery		
Arsenic	LFB041017-1	100	92.6	92.6	4/24/17	EPA 3050B/6010C
Cadmium	LFB041017-1	100	96.9	96.9	4/24/17	EPA 3050B/6010C
Copper	LFB041017-1	100	101	101	4/24/17	EPA 3050B/6010C
Lead	LFB041017-1	100	96.4	96.4	4/24/17	EPA 3050B/6010C
Mercury	LFB041217-1	1.00	1.04	104	4/12/17	EPA 3050B/6010C
Molybdenum	LFB041017-1	100	99.0	99.0	4/24/17	EPA 7471B
Nickel	LFB041017-1	100	99.0	99.0	4/24/17	EPA 3050B/6010C
Selenium	LFB041017-1	100	95.3	95.3	4/24/17	EPA 3050B/6010C
Zinc	LFB041017-1	100	96.9	96.9	4/24/17	EPA 3050B/6010C

Test Parameter	Blank ID	Digest Blank			Date Analyzed	Method
		Result mg/kg				
Arsenic	LRB041017-1	<1.0			4/24/17	EPA 3050B/6010C
Cadmium	LRB041017-1	<1.0			4/24/17	EPA 3050B/6010C
Copper	LRB041017-1	<1.0			4/24/17	EPA 3050B/6010C
Lead	LRB041017-1	<1.0			4/24/17	EPA 3050B/6010C
Mercury	LRB041217-1	<0.03			4/24/17	EPA 3050B/6010C
Molybdenum	LRB041017-1	<1.0			4/12/17	EPA 7471B
Nickel	LRB041017-1	<1.0			4/24/17	EPA 3050B/6010C
Selenium	LRB041017-1	<1.0			4/24/17	EPA 3050B/6010C
Zinc	LRB041017-1	<1.0			4/24/17	EPA 3050B/6010C

Approved for Release,

*Nancy Parrott*

Nancy Parrott  
Laboratory Supervisor  
WDOE Accreditation #C594

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## Certificate of Analysis

Shorts Family Farm  
1720 Center Rd  
Chimacum, WA 98325

Date Received: 4/7/2017  
Date Reported: 4/25/2017

Project: Compost

Sample Number: 167341-01  
Sample ID: Compost  
Description:

Date Sampled: 4/7/2017  
Sampler: William Short

Test	Result	Units	Method	Date	Initials
Arsenic	5.95 ✓	mg/kg dry wt	EPA 3050B/6010 C	4/24/2017	KW
Cadmium	<1.0 ✓	mg/kg dry wt	EPA 3050B/6010 C	4/24/2017	KW
Copper	34.5 ✓	mg/kg dry wt	EPA 3050B/6010 C	4/24/2017	KW
Lead	5.76 ✓	mg/kg dry wt	EPA 3050B/6010 C	4/24/2017	KW
Mercury	0.06 ✓	mg/kg dry wt	EPA7471 B	4/12/2017	KW
Molybdenum	<1.0 ✓	mg/kg dry wt	EPA 3050B/6010 C	4/24/2017	KW
Nickel	31.9 ✓	mg/kg dry wt	EPA 3050B/6010 C	4/24/2017	KW
Selenium	<1.0 ✓	mg/kg dry wt	EPA 3050B/6010 C	4/24/2017	KW
Zinc	110 ✓	mg/kg dry wt	EPA 3050B/6010 C	4/24/2017	KW

mercury under 8 ppm ✓

average pH

Approved For Release

Nancy Parrott  
Nancy Parrott, Laboratory Supervisor

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JUN 14 2017

Jefferson County  
Environmental Health





## ANNUAL COMPOSTING FACILITY REPORT 2015

FACILITY NAME: <i>Short's Family Farm</i>	REPORT FOR CALENDAR YEAR: <i>2015</i>	PERMIT NUMBER (if applicable): <i>1596</i>
FACILITY LOCATION (STREET ADDRESS): <i>1594 Center Road Chimacum, Wa 98325</i>	COUNTY: <i>Jefferson</i>	FACILITY CONTACT EMAIL: <i>rshort42@gmail.com</i>
FACILITY CONTACT (name): <i>Roger Short</i>	FACILITY PHONE: <i>360-732 4601</i>	
FACILITY CONTACT MAILING ADDRESS (if different): <i>1726 Center Road Chimacum, Wa 98325</i>	FACILITY CONTACT PHONE (if different): <i>360 301 3521</i>	
OPERATOR (Company/Business): <i>Short's Family Farm</i>	OPERATOR CONTACT (Name): <i>Roger Short</i>	

Did you operate during 2015?

☒ Yes If yes, please complete this form.

☐ No If no, when did you stop operations? (enter day/month/year) \_\_\_\_\_

Do you plan to restart? ☐ No ☐ Yes When? (enter day/month/year) \_\_\_\_\_

If you didn't operate, print name and date below and return form. This completes your reporting obligations.

PREPARED BY: (print name) \_\_\_\_\_ Date: \_\_\_\_\_

Are you open to the public?

☐ No ☒ Yes *Yard waste \$15<sup>00</sup> per load*

Tip fees (Attach schedule if available) *grass, & leaves, livestock manure No charge*

During the reporting year, were there any changes in your management practices that impacted your operations?

☒ No ☐ Yes (specify) \_\_\_\_\_

Are there any new solid waste activities planned at your site for 2016?

☒ No ☐ Yes (specify) \_\_\_\_\_

Planned start date (enter day/month/year): \_\_\_\_\_

☒ Attached annual summary of lab analyses of composted material

COMPOSTING SYSTEM USED (check all that apply)

☒ Turned windrow ☒ Aerated turned mass bed ☐ Other (Specify) \_\_\_\_\_

☒ Actively aerated static pile ☐ Passively aerated static pile ☐ In-vessel (containerized)

MAR 25 2015  
Jefferson County  
Environmental Health

(Form continued on back page.)



FEEDSTOCKS COMPOSTED	Feedstocks received from the same county as the compost facility (report tons <u>OR</u> cubic yards)		Feedstocks received from out-of-county, other states or out-of-country (If multiple counties and/or states, specify amounts from each.) (report tons <u>OR</u> cubic yards)		List county and state that it came from
	Tons	Cubic Yards	Tons	Cubic Yards	
<input type="checkbox"/> Agricultural organics (vegetative) <i>Includes crop residues, etc.</i>					
<input type="checkbox"/> Biosolids, specify WET or DRY:	0				
<input type="checkbox"/> Food processing, incl. fish, paunch etc.	0				
<input type="checkbox"/> Food waste, post-consumer	0				
<input type="checkbox"/> Food waste, pre-consumer	0				
<input type="checkbox"/> Food waste (other)	0				
<input type="checkbox"/> Industrial organics (specify): <i>Incl. FOG, lab waste, ash, clarifier solids, etc</i>	0				
<input type="checkbox"/> Landclearing debris	0				
<input checked="" type="checkbox"/> Manure (type): <i>may incl. bedding</i>	150				
<input type="checkbox"/> Mortalities and other animal parts	0				
<input checked="" type="checkbox"/> Sawdust / shavings	250		250		Clallam
<input type="checkbox"/> Other wood debris (specify):					
<input type="checkbox"/> Yard debris	13 1000				
<input type="checkbox"/> Yard debris/food scraps (mixed)					
<input type="checkbox"/> Other (specify):					
<b>MATERIALS FOR ENERGY RECOVERY (not composted)</b>					
<input type="checkbox"/> Materials for Hog Fuel If sent off-site, to what facility?					
<input type="checkbox"/> Materials for Anaerobic Digestion If sent off-site, to what facility?					
<b>MATERIALS DISPOSED (not composted)</b>					
Rejects Type:	Name of Disposal Facility:				
Rejects disposed (tons):	on site				
<b>COMPOST PRODUCED</b> (report tons <u>OR</u> cubic yards)			<b>FINAL DISPOSITION OF COMPOST</b> (report tons <u>OR</u> cubic yards)		
Name of Product	Tons	Cubic Yards		Tons	Cubic Yards
Compost	1900		Sold in same calendar year	1500	
			Total amount stockpiled onsite	400	
			Distributed offsite		
Compost	100		Used onsite		
			Other (specify):		
PREPARED BY (print name): Roger Short				DATE:	PHONE:
Email: rshort42@gmail.com				3-22-16	360 732 4601

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# SPECTRA Laboratories - Kitsap

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## Certificate of Analysis

Shorts Family Farm  
1720 Center Rd  
Chimacum, WA 98325

Date Received: 3/4/2016

Date Reported: 3/17/2016

RECEIVED  
MAR 25 2016  
Jefferson County  
Environmental Health

Project: Unknown

Sample Number: 156951-02

Sample ID: 2016 Compost

Description:

Date Sampled: 3/4/2016

Sampler: Roger Short

Test	Result	Units	Method	Date	Initials
Arsenic	2.29	mg/kg	EPA 3050B/6010 C	3/15/2016	KW
Cadmium	<0.4	mg/kg	EPA 3050B/6010 C	3/15/2016	KW
Copper	27.1	mg/kg	EPA 3050B/6010 C	3/15/2016	KW
Lead	3.11	mg/kg	EPA 3050B/6010 C	3/15/2016	KW
Mercury	0.06	mg/kg	EPA7471 B	3/7/2016	KW
Molybdenum	1.17	mg/kg	EPA 3050B/6010 C	3/15/2016	KW
Nickel	32.2	mg/kg	EPA 3050B/6010 C	3/15/2016	KW
Selenium	<1.4	mg/kg	EPA 3050B/6010 C	3/15/2016	KW
Zinc	107	mg/kg	EPA 3050B/6010 C	3/15/2016	KW

Approved For Release

Nancy Parrott, QA  
Steven G. Hibbs, Laboratory Manager





# SPECTRA Laboratories - Kitsap

...Where experience matters

26276 Twelve Trees Lane, Suite C • Poulsbo, WA 98370 • (360) 779-5141 • Fax (360) 779-5150 • www.spectra-lab.com

## Certificate of Analysis

Shorts Family Farm  
1720 Center Rd  
Chimacum, WA 98325

Date Received: 3/4/2016  
Date Reported: 3/17/2016

RECEIVED  
MAR 25 2016  
Jefferson County  
Environmental Health Dept

Project: Unknown

Sample Number: 156951-01  
Sample ID: Biochar  
Description:

Date Sampled: 3/4/2016  
Sampler: Roger Short

Test	Result	Units	Method	Date	Initials
Arsenic	38.6	mg/kg	EPA 3050B/6010 C	3/15/2016	KW
Cadmium	0.540	mg/kg	EPA 3050B/6010 C	3/15/2016	KW
Copper	148	mg/kg	EPA 3050B/6010 C	3/15/2016	KW
Lead	25.5	mg/kg	EPA 3050B/6010 C	3/15/2016	KW
Mercury	<0.03	mg/kg	EPA7471 B	3/7/2016	KW
Molybdenum	1.61	mg/kg	EPA 3050B/6010 C	3/15/2016	KW
Nickel	4.32	mg/kg	EPA 3050B/6010 C	3/15/2016	KW
Selenium	<1.4	mg/kg	EPA 3050B/6010 C	3/15/2016	KW
Zinc	93.4	mg/kg	EPA 3050B/6010 C	3/15/2016	KW

Approved For Release

Nancy Parrott, O.A.S.  
Steven G. Hibbs, Laboratory Manager





# SPECTRA Laboratories - Kitsap

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March 17, 2016

Roger Short  
Short's Family Farm  
1720 Center Rd  
Chimacum, WA 98325


Project: Unknown  
Sample Date: 3/4/16

Work Order #: 156951  
Sample Received: 3/4/16 1300

## Quality Control Report

Test Parameter	QC Sample ID	Laboratory Check Standard			Date Analyzed	Method
		True Value mg/kg	Result mg/kg	% Recovery		
Arsenic	LRAA-5405	188	167	89.1	3/15/16	EPA 3050B/6010C
Cadmium	LRAA-5405	54.8	45.3	82.6	3/15/16	EPA 3050B/6010C
Copper	LRAA-5405	544	533	97.9	3/15/16	EPA 3050B/6010C
Lead	LRAA-5405	228	198	86.8	3/15/16	EPA 3050B/6010C
Mercury	ERA Soil 90	21.1	20.3	96.2	3/7/16	EPA 7471B
Molybdenum	LRAA-5405	43.6	35.8	82.2	3/15/16	EPA 3050B/6010C
Nickel	LRAA-5405	294	262	89.1	3/15/16	EPA 3050B/6010C
Selenium	LRAA-5405	239	213	88.9	3/15/16	EPA 3050B/6010C
Zinc	LRAA-5405	823	701	85.2	3/15/16	EPA 3050B/6010C

Test Parameter	Blank ID	Digest Blank		
		Result mg/kg	Date Analyzed	Method
Arsenic	PB11.059	<0.7	3/15/16	EPA 3050B/6010C
Cadmium	PB11.059	<0.4	3/15/16	EPA 3050B/6010C
Copper	PB11.059	<0.5	3/15/16	EPA 3050B/6010C
Lead	PB11.059	<0.4	3/15/16	EPA 3050B/6010C
Mercury	PB11.058	<0.03	3/7/16	EPA 7471B
Molybdenum	PB11.059	<0.4	3/15/16	EPA 3050B/6010C
Nickel	PB11.059	<1.9	3/15/16	EPA 3050B/6010C
Selenium	PB11.059	<1.4	3/15/16	EPA 3050B/6010C
Zinc	PB11.059	<0.4	3/15/16	EPA 3050B/6010C

  
Nancy Parrott  
QA Manager

### WDOE Accreditation C#594

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**Roger Short**  
1720 Center Rd.  
Chimacum, WA 98281

Jefferson Environmental Health  
615 Sheridan  
Port Townsend, WA 98368

മുഖ്യമന്ത്രിമാർ

1. The first step is to identify the problem or question that needs to be addressed. This involves understanding the context and the specific requirements of the task.

2. Next, it is important to gather relevant information and data. This can be done through research, consultation with experts, or by analyzing existing resources.

3. Once the information is gathered, the next step is to develop a plan or strategy. This involves breaking down the problem into smaller, manageable parts and determining the best approach to solve each part.

4. The fourth step is to implement the plan. This involves putting the strategy into action and monitoring progress along the way.

5. Finally, it is important to evaluate the results and make adjustments as needed. This involves reflecting on what worked well and what didn't, and using that information to improve future efforts.

1400044 444 0000  
OLYMPIA WA  
23 MAR 2016 PM 3 L







## ANNUAL REPORT - COMPOSTING FACILITY

MAY 04 2015

FACILITY NAME: <u>Short's Family Farm</u>	REPORT FOR CALENDAR YEAR: <u>2014</u>	PERMIT NUMBER (if applicable): <u>1596</u>
FACILITY LOCATION (STREET ADDRESS): <u>1594 Center Road</u> <u>Chimacum, WA 98325</u>	COUNTY: <u>Jefferson</u>	FACILITY CONTACT EMAIL: <u>rshort42@gmail.com</u>
FACILITY CONTACT (name): <u>Roger Short</u>	FACILITY PHONE: <u>360 732 4601</u>	
FACILITY CONTACT MAILING ADDRESS (if different): <u>1720 Center Road</u> <u>Chimacum, WA 98325</u>	FACILITY CONTACT PHONE (if different):	
OPERATOR (Company/Business): <u>Short's Family Farm</u>	OPERATOR CONTACT (Name): <u>Roger Short</u>	
<p>Did you operate during <del>2013</del> <u>2014</u></p> <p><input checked="" type="checkbox"/> Yes If yes, please complete this form.</p> <p><input type="checkbox"/> No If no, when did you stop operations? (enter day/month/year) _____</p> <p>Do you plan to restart? <input type="checkbox"/> No <input type="checkbox"/> Yes When? (enter day/month/year) _____</p> <p>If you <u>didn't</u> operate, print name and date below and return form. This completes your reporting obligations.</p> <p>PREPARED BY: (print name) _____ Date: _____</p>		
<p>Are you open to the public? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Tip fees (Attach schedule if available) <u>\$10 per load of branches, \$0.00 per load grass + leaves</u></p> <p>During the reporting year, were there any changes in your management practices that impacted your operations?</p> <p><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (specify) _____</p> <p>Are there any new solid waste activities planned at your site for <del>2014</del> <u>2015</u>? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (specify) _____</p> <p>Planned start date (enter day/month/year): _____</p> <p><input checked="" type="checkbox"/> Attach annual summary of lab analyses of composted material</p>		
COMPOSTING SYSTEM USED (check all that apply)		
<input checked="" type="checkbox"/> Turned windrow <input checked="" type="checkbox"/> Aerated turned mass bed <input type="checkbox"/> Other (Specify) _____		
<input checked="" type="checkbox"/> Actively aerated static pile <input type="checkbox"/> Passively aerated static pile <input type="checkbox"/> In-vessel (containerized)		



FEEDSTOCKS COMPOSTED	Feedstocks received from the same county as the compost facility (report tons <u>OR</u> cubic yards)		Feedstocks received from out-of-county, other states or out-of-country (If multiple counties and/or states, specify amounts from each.) (report tons <u>OR</u> cubic yards)		
	Tons	Cubic Yards	Tons	Cubic Yards	List county and state that it came from
<input type="checkbox"/> Biosolids (circle one: WET or DRY)	0				
<input type="checkbox"/> Carcasses	0				
<input checked="" type="checkbox"/> Crop residues (specify): <i>grass clipping</i>	120				
<input type="checkbox"/> Food processing waste	0				
<input type="checkbox"/> Food waste (pre-consumer, vegetative)	0				
<input type="checkbox"/> Food waste (post-consumer, other)	0				
<input type="checkbox"/> Industrial organics (specify):	0				
<input type="checkbox"/> Landclearing debris	0				
<input checked="" type="checkbox"/> Manure (specify type): <i>Livestock</i>	180				
<input type="checkbox"/> Mixed food & yard debris (residential)	0				
<input checked="" type="checkbox"/> Sawdust / shavings			200 <del>150</del>		Clallam
<input type="checkbox"/> Other wood debris (specify):					
<input type="checkbox"/> Yard debris		800			
<input type="checkbox"/> Other (specify):					
<b>MATERIALS FOR ENERGY RECOVERY (not composted)</b>					
<input type="checkbox"/> Materials for Hog Fuel If sent off-site, to what facility?	0				
<input type="checkbox"/> Materials for Anaerobic Digestion If sent off-site, to what facility?	0				
<b>MATERIALS DISPOSED (not composted)</b>					
Rejects Type:	Name of Disposal Facility:				
Rejects disposed (tons):	on site				
<b>COMPOST PRODUCED</b> (report tons <u>OR</u> cubic yards)			<b>FINAL DISPOSITION OF COMPOST</b> (report tons <u>OR</u> cubic yards)		
Name of Product	Tons	Cubic Yards		Tons	Cubic Yards
Compost		<del>1300</del> 1500	Sold in same calendar year		1200
			Total amount stockpiled on site.		500
			Distributed offsite		0
			Used onsite		<del>250</del> 400
			Other (specify):		
PREPARED BY (print name): <i>Roger Short</i>			DATE: <del>8-25-14</del>		PHONE: 360 732 4601
Email: <i>rshort42@gmail.com</i>					

4-30-15



## Certificate of Analysis

Shorts Family Farm  
1720 Center Rd  
Chimacum, WA 98325

Date Received: 4/2/2015  
Date Reported: 4/22/2015


Project: 503 Heavy Metals

Sample Number: 148165-01  
Sample ID: Compost  
Description:

Date Sampled: 4/2/2015  
Sampler: Roger

Test	Result	Units	Method	Date	Initials
Arsenic	2.87	mg/kg	EPA 3050B/6010 C	4/10/2015	KW
Cadmium	0.621	mg/kg	EPA 3050B/6010 C	4/10/2015	KW
Copper	22.8	mg/kg	EPA 3050B/6010 C	4/10/2015	KW
Lead	2.69	mg/kg	EPA 3050B/6010 C	4/10/2015	KW
Mercury	0.05	mg/kg	EPA7471 B	4/8/2015	KW
Molybdenum	0.767	mg/kg	EPA 3050B/6010 C	4/10/2015	KW
Nickel	29.2	mg/kg	EPA 3050B/6010 C	4/10/2015	KW
Selenium	<1.4	mg/kg	EPA 3050B/6010 C	4/10/2015	KW
Zinc	86.9	mg/kg	EPA 3050B/6010 C	4/10/2015	KW

Approved For Release

  
Steven G. Hibbs, Laboratory Manager





April 22, 2015

Roger Short  
Shorts Family Farm  
1720 Center Rd  
Chimacum, WA 98325

Project: 503 Heavy Metals  
Sample Date: 4/2/15

Work Order #: 148165  
Sample Received: 4/2/15

### Quality Control Report

Test Parameter	QC Sample ID	Laboratory Check Standard			Date Analyzed	Method
		True Value mg/kg	Result mg/kg	% Recovery		
Arsenic	ERA Soil 67	148	130	88.1	4/10/15	EPA 3050B/6010C
Cadmium	ERA Soil 67	77.9	66.7	85.7	4/10/15	EPA 3050B/6010C
Copper	ERA Soil 67	115	115	99.2	4/10/15	EPA 3050B/6010C
Lead	ERA Soil 67	155	131	84.5	4/10/15	EPA 3050B/6010C
Mercury	ERA Soil 67	25.5	27.1	106	4/8/15	EPA 7471B
Molybdenum	ERA Soil 67	106	84.9	80.1	4/10/15	EPA 3050B/6010C
Nickel	ERA Soil 67	144	122	84.9	4/10/15	EPA 3050B/6010C
Selenium	ERA Soil 67	221	181	82.4	4/10/15	EPA 3050B/6010C
Zinc	ERA Soil 67	227	249	110	4/10/15	EPA 3050B/6010C

Test Parameter	Blank ID	Digest Blank			Method
		Result mg/kg	Date Analyzed		
Arsenic	PB15.100	<0.7	4/10/15		EPA 3050B/6010C
Cadmium	PB15.100	<0.4	4/10/15		EPA 3050B/6010C
Copper	PB15.100	<0.5	4/10/15		EPA 3050B/6010C
Lead	PB15.100	<0.4	4/10/15		EPA 3050B/6010C
Mercury	PB15.101	<0.03	4/8/15		EPA 7471B
Molybdenum	PB15.100	<0.4	4/10/15		EPA 3050B/6010C
Nickel	PB15.100	<1.9	4/10/15		EPA 3050B/6010C
Selenium	PB15.100	<1.4	4/10/15		EPA 3050B/6010C
Zinc	PB15.100	<0.4	4/10/15		EPA 3050B/6010C

*Nancy Parrott*  
Nancy Parrott  
QA Manager

#### WDOE Accreditation C#594

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26276 Twelve Trees Ln, Ste C  
Poulsbo, WA 98370

# Invoice

Due Date	Date	Invoice #
5/24/2015	4/24/2015	15-02524

**PAID**  
**04/02/2015**

Shorts Family Farm  
1720 Center Road  
Chimacum, WA 98325

☐ Please check box if address is incorrect or has changed, and indicate change(s) on reverse side.

**Balance Due**

**\$0.00**

Detach and return top portion with your payment

**PLEASE REMIT PAYMENT TO:**

**Spectra Laboratories - Kitsap, LLC**  
**2221 Ross Way**  
**Tacoma, WA 98421**

P.O. No.	Terms	Invoice #
	Net 30	15-02524

Description		Qty	Rate	Amount
Sample No: 148165-01 Testing: 503 Regs Project: 503 Heavy Metals		1	175.00	175.00
148165-Payment ***Paid \$175.00 by Mastercard on 04/02/2015.		1	0.00	0.00
Phone #	Fax #	E-mail	Total	\$175.00
Acct: 253-272-4850	253-572-9838	SteveZ@Spectra-Lab.com	Payments/Credits	-\$175.00
			Balance Due	\$0.00





## ANNUAL REPORT - COMPOSTING FACILITY

RECEIVED  
AUG 27 2014  
Jefferson County  
Environmental Health

FACILITY NAME: <u>Short's Family Farm</u>	REPORT FOR CALENDAR YEAR: <u>2013</u>	PERMIT NUMBER (if applicable): <u>1596</u>
FACILITY LOCATION (STREET ADDRESS): <u>1594 Center Road</u> <u>Chimacum, Wa 98325</u>	COUNTY: <u>Jefferson</u>	FACILITY CONTACT EMAIL: <u>rshort42@gmail.com</u>
FACILITY CONTACT (name): <u>Roger Short</u>	FACILITY PHONE: <u>360 732 4601</u>	
FACILITY CONTACT MAILING ADDRESS (if different): <u>1720 Center Road</u> <u>Chimacum, Wa 98325</u>	FACILITY CONTACT PHONE (if different):	
OPERATOR (Company/Business): <u>Short's Family Farm</u>	OPERATOR CONTACT (Name): <u>Roger Short</u>	
<p>Did you operate during 2013?</p> <p><input checked="" type="checkbox"/> Yes If yes, please complete this form.</p> <p><input type="checkbox"/> No If no, when did you stop operations? (enter day/month/year) _____</p> <p>Do you plan to restart? <input type="checkbox"/> No <input type="checkbox"/> Yes When? (enter day/month/year) _____</p> <p>If you <u>didn't</u> operate, print name and date below and return form. This completes your reporting obligations.</p> <p>PREPARED BY: (print name) _____ Date: _____</p>		
<p>Are you open to the public? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Tip fees (Attach schedule if available) <u>\$10 per load of branches, \$0.00 per load grass + Leaves</u></p> <p>During the reporting year, were there any changes in your management practices that impacted your operations? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (specify) _____</p> <p>Are there any new solid waste activities planned at your site for 2014? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (specify) _____</p> <p>Planned start date (enter day/month/year): _____</p> <p><input checked="" type="checkbox"/> Attach annual summary of lab analyses of composted material</p>		
COMPOSTING SYSTEM USED (check all that apply)		
<input checked="" type="checkbox"/> Turned windrow <input checked="" type="checkbox"/> Aerated turned mass bed <input type="checkbox"/> Other (Specify) _____		
<input checked="" type="checkbox"/> Actively aerated static pile <input type="checkbox"/> Passively aerated static pile <input type="checkbox"/> In-vessel (containerized)		



FEEDSTOCKS COMPOSTED	Feedstocks received from the same county as the compost facility		Feedstocks received from out-of-county, other states or out-of-country (If multiple counties and/or states, specify amounts from each.)		
	(report tons <u>OR</u> cubic yards)		(report tons <u>OR</u> cubic yards)		
	Tons	Cubic Yards	Tons	Cubic Yards	List county and state that it came from
<input type="checkbox"/> Biosolids (circle one: WET or DRY)	0				
<input type="checkbox"/> Carcasses	0				
<input checked="" type="checkbox"/> Crop residues (specify): <i>grass clipping</i>	120				
<input type="checkbox"/> Food processing waste	0				
<input type="checkbox"/> Food waste (pre-consumer, vegetative)	0				
<input type="checkbox"/> Food waste (post-consumer, other)	0				
<input type="checkbox"/> Industrial organics (specify):	0				
<input type="checkbox"/> Landclearing debris	0				
<input checked="" type="checkbox"/> Manure (specify type): <i>Livestock</i>	180				
<input type="checkbox"/> Mixed food & yard debris (residential)	0				
<input checked="" type="checkbox"/> Sawdust / shavings			150		Clallam
<input type="checkbox"/> Other wood debris (specify):					
<input type="checkbox"/> Yard debris		600			
<input type="checkbox"/> Other (specify):					
MATERIALS FOR ENERGY RECOVERY (not composted)					
<input type="checkbox"/> Materials for Hog Fuel If sent off-site, to what facility?	0				
<input type="checkbox"/> Materials for Anaerobic Digestion If sent off-site, to what facility?	0				
MATERIALS DISPOSED (not composted)					
Rejects Type:	Name of Disposal Facility:				
Rejects disposed (tons):	on site				
COMPOST PRODUCED (report tons <u>OR</u> cubic yards)			FINAL DISPOSITION OF COMPOST (report tons <u>OR</u> cubic yards)		
Name of Product	Tons	Cubic Yards		Tons	Cubic Yards
Compost		1300	Sold in same calendar year		1200
			Total amount stockpiled on site.		500
			Distributed offsite		0
			Used onsite		250
			Other (specify):		
PREPARED BY (print name): <i>Roger Short</i>			DATE: <i>8-25-14</i>		PHONE: <i>360 732 4601</i>
Email: <i>rshort42@gmail.com</i>					





April 3, 2014

RECEIVED  
AUG 27 2014  
Jefferson County  
Environmental Health

Roger Short  
Shorts Family Farm  
1720 Center Rd  
Chimacum, WA 98325

Project: 503 Compost Sample  
Sample Date: 3/26/14

Work Order #: 139595  
Sample Received: 3/26/14

### Report on Analysis

Sample ID: Compost  
Lab No: 139595-01

Parameter	Digestion/Analysis Method	Result	Flag	Units	Date Analyzed
Arsenic	EPA 3050B/6010C	1.96		mg/kg	3/31/14
Cadmium	EPA 3050B/6010C	<0.4		mg/kg	3/31/14
Copper	EPA 3050B/6010C	33.4		mg/kg	3/31/14
Lead	EPA 3050B/6010C	9.54		mg/kg	3/26/14
Mercury	EPA 7471B	0.06		mg/kg	3/31/14
Molybdenum	EPA 3050B/6010C	3.72		mg/kg	3/31/14
Nickel	EPA 3050B/6010C	33.5		mg/kg	3/31/14
Selenium	EPA 3050B/6010C	<1.4		mg/kg	3/31/14
Zinc	EPA 3050B/6010C	103		mg/kg	3/31/14

Note: Reported on a dry wt basis at 104° C

Thank you for the opportunity to help you prepare a healthy product.

  
Nancy Parrott  
QA Manager

#### WDOE Accreditation C#594

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**Twiss Laboratories****Quality Control Report**


**Project: 503 Compost Sample**  
**Sample Date: 3/26/14**

**Work Order #: 139595**  
**Sample Received: 3/26/14**

Test Parameter	QC Sample ID	Laboratory Check Standard			Date Analyzed	Method
		True Value mg/kg	Result mg/kg	% Recovery		
Arsenic	ERA Soil 69	120	113	94.5	3/31/14	EPA 3050B/6010C
Cadmium	ERA Soil 69	122	120	98.4	3/31/14	EPA 3050B/6010C
Copper	ERA Soil 69	84.5	83.5	98.8	3/31/14	EPA 3050B/6010C
Lead	ERA Soil 69	171	168	98.0	3/31/14	EPA 3050B/6010C
Mercury	ERA Soil 69	17.9	20.0	112	3/26/14	EPA 7471B
Molybdenum	ERA Soil 69	104	93.0	89.4	3/31/14	EPA 3050B/6010C
Nickel	ERA Soil 69	123	121	98.8	3/31/14	EPA 3050B/6010C
Selenium	ERA Soil 69	230	217	94.5	3/31/14	EPA 3050B/6010C
Zinc	ERA Soil 69	319	317	99.4	3/31/14	EPA 3050B/6010C

Test Parameter	Blank ID	Digest Blank			Method
		Result mg/kg	Date Analyzed		
Arsenic	PB13.086	<0.7	3/31/14		EPA 3050B/6010C
Cadmium	PB13.086	<0.4	3/31/14		EPA 3050B/6010C
Copper	PB13.086	<0.5	3/31/14		EPA 3050B/6010C
Lead	PB13.086	<0.4	3/31/14		EPA 3050B/6010C
Mercury	PB13.082	<0.03	3/26/14		EPA 7471B
Molybdenum	PB13.086	<0.4	3/31/14		EPA 3050B/6010C
Nickel	PB13.086	<1.9	3/31/14		EPA 3050B/6010C
Selenium	PB13.086	<1.4	3/31/14		EPA 3050B/6010C
Zinc	PB13.086	<0.4	3/31/14		EPA 3050B/6010C

Thank you for the opportunity to help you prepare a healthy product.

  
Nancy Parrott  
QA Manager

**WDOE Accreditation C#594**

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## ANNUAL REPORT - COMPOSTING FACILITY

RECEIVED

FACILITY NAME: <i>Short's Family Farm</i>	REPORT FOR CALENDAR YEAR: <i>2012</i>	PERMIT NUMBER (if applicable): <i>1596 JAN 30 2013</i>
FACILITY LOCATION (STREET ADDRESS): <i>1594 Center Road</i>	COUNTY: <i>Jefferson</i>	FACILITY CONTACT EMAIL: <i>rshort42@gmail.com</i>
FACILITY CONTACT (name): <i>Roger Short</i>	FACILITY PHONE: <i>360 732 4601</i>	
FACILITY CONTACT MAILING ADDRESS (if different): <i>1720 Center Road Chimacum Wa 98325</i>	FACILITY CONTACT PHONE (if different):	
OPERATOR (Company/Business): <i>Short's Family Farm</i>	OPERATOR CONTACT (Name): <i>Roger Short</i>	

**Did you operate during 2012?**

☒ Yes If yes, please complete this form.

☐ No If no, when did you stop operations? (enter day/month/year) \_\_\_\_\_

Do you plan to restart? ☐ No ☐ Yes When? (enter day/month/year) \_\_\_\_\_

**If you didn't operate, print name and date below and return form. This completes your reporting obligations.**

PREPARED BY: (print name) \_\_\_\_\_ Date: \_\_\_\_\_

---

**Are you open to the public?** ☒ Yes ☐ No

**Tip fees** (Attach schedule if available) *\$10<sup>00</sup> for yard branches \$0<sup>00</sup> for grass leaves*

During the reporting year, were there any changes in your management practices that impacted your operations?

☒ No ☐ Yes (specify) \_\_\_\_\_

Are there any new solid waste activities planned at your site for 2012? ☒ No ☐ Yes (specify) \_\_\_\_\_

Planned start date (enter day/month/year): \_\_\_\_\_

☒ **Attach annual summary of lab analyses of composted material**

---

**COMPOSTING SYSTEM USED** (check all that apply)

☒ Turned windrow ☒ Aerated turned mass bed ☐ Other (Specify) \_\_\_\_\_

☐ Actively aerated static pile ☒ Passively aerated static pile ☐ In-vessel (containerized)

(Form continued on back page.)



FEEDSTOCKS COMPOSTED	Feedstocks received from the same county as the compost facility (report tons <u>OR</u> cubic yds)		Feedstocks received from out-of-county, other states or out-of-country (If multiple counties and/or states, specify amounts from each.) (report tons <u>OR</u> cubic yards)		List county and state that it came from
	Tons	Cubic Yards	Tons	Cubic Yards	
<input type="checkbox"/> Biosolids (circle one: WET or DRY)	0				
<input type="checkbox"/> Carcasses	0				
<input type="checkbox"/> Crop residues (specify): <i>hay grass</i>	100				
<input type="checkbox"/> Food processing waste	0				
<input type="checkbox"/> Food waste (pre-consumer, vegetative)	0				
<input type="checkbox"/> Food waste (post-consumer, other)	0				
<input type="checkbox"/> Industrial organics (specify):	0				
<input type="checkbox"/> Landclearing debris	0				
<input type="checkbox"/> Manure (specify type):	150				
<input type="checkbox"/> Mixed food & yard debris (residential)	0				
<input type="checkbox"/> Sawdust / shavings	<del>50</del>		50		Clallam
<input type="checkbox"/> Other wood debris	0				
<input type="checkbox"/> Yard debris	600				
<input type="checkbox"/> Other (specify):					
<b>MATERIALS FOR ENERGY RECOVERY (not composted)</b>					
<input type="checkbox"/> Materials for Hog Fuel	0				
<input type="checkbox"/> Materials for Anaerobic Digestion	0				
<b>MATERIALS DISPOSED (not composted)</b>					
Rejects Type: <i>overs</i>		Name of Disposal Facility: <i>on site</i>			
Rejects disposed (tons): <i>150</i>					
<b>COMPOST PRODUCED</b> (report tons <u>OR</u> cubic yards)			<b>FINAL DISPOSITION OF COMPOST</b> (report tons <u>OR</u> cubic yards)		
Name of Product	Tons	Cubic Yards		Tons	Cubic Yards
<i>Compost</i>		<i>1500</i>	Sold in same calendar year		<i>1200</i>
			Total amount stockpiled for future sale/use		<i>400</i>
			Distributed offsite		<i>0</i>
			Used onsite		<i>300</i>
			Other (specify):		
PREPARED BY (print name): <i>Roger Short</i>			DATE: <i>1-28-2013</i>		PHONE: <i>360 732 4601</i>
Email: <i>rshort42@gmail.com</i>					

If you need this publication in another format, please call the Waste 2 Resources Program at 360-407-6900. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.



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JAN 30 2013

Jefferson County  
Environmental Health

**Project: Compost**  
**Sample Date: 1/8/13**

**Work Order #: 129527**  
**Sample Received: 1/8/13**

**Sample ID: Compost**  
**Lab No: 129527-01**

Parameter	Digestion/Analysis		Flag	Units	Date Analyzed
	Method	Result			
Arsenic	EPA 3050B/6010C	2.51		mg/kg	1/10/13
Cadmium	EPA 3050B/6010C	<0.4		mg/kg	1/10/13
Copper	EPA 3050B/6010C	27.5		mg/kg	1/10/13
Lead	EPA 3050B/6010C	4.01		mg/kg	1/10/13
Mercury	EPA 7471B	0.07		mg/kg	1/14/13
Molybdenum	EPA 3050B/6010C	3.43		mg/kg	1/10/13
Nickel	EPA 3050B/6010C	32.1		mg/kg	1/10/13
Selenium	EPA 3050B/6010C	<1.4		mg/kg	1/10/13
Zinc	EPA 3050B/6010C	106		mg/kg	1/10/13

Note: Reported on a dry wt basis at 104° C

**Recommendation:**

According to a Washington State University Bulletin (attached), acceptable compost values are as follows:

pH	6-7 pH units
EC	0-4 dS/m
Nitrate-N	200-500 ppm

Your compost pH is a bit lower and the EC a bit higher, but the nitrate-nitrogen has come into expected ranges since last October. As usual, this should only be used as an amendment, not as a straight planting mix.

Nothing looks out-of-line with the metals.

Thank you for the opportunity to help you prepare a healthy product.

*Nancy Parrott*

Nancy Parrott  
QA Manager

**WDOE Accreditation C#594**

This report is issued solely for the person or company to whom it is addressed. This laboratory accepts responsibility only for the due performance of analysis according to industry accepted practice. Twiss Analytical Laboratories, Inc. or its employees are not responsible for consequential damages in any kind or in any amount.



RECEIVED

JAN 30 2013

Jefferson County  
Environmental Health



**Quality Control Report**  
**Twiss Analytical Laboratories, Inc.**

**Project: Compost**  
**Sample Date: 1/8/13**

**Work Order #: 129527**  
**Sample Received: 1/8/13**

**Laboratory Check Standard**

Test Parameter	QC Sample ID	True Value mg/kg	Result mg/kg	% Recovery
Arsenic	ERA Soil 70	167	145	87.0
Cadmium	ERA Soil 70	88.5	96.4	109
Copper	ERA Soil 70	209	227	109
Lead	ERA Soil 70	134	124	92.8
Mercury	EPA Soil 70	8.29	7.73	93.2
Molybdenum	ERA Soil 70	176	162	91.9
Nickel	ERA Soil 70	179	183	102
Selenium	ERA Soil 70	49.7	43.0	86.6
Zinc	ERA Soil 70	221	236	107

**Digest Blank**

Test Parameter	Blank ID	Result mg/kg
Arsenic	PB02.010	<0.7
Cadmium	PB02.010	<0.4
Copper	PB02.010	<0.5
Lead	PB02.010	<0.4
Mercury	PB03.014	<0.03
Molybdenum	PB02.010	<0.4
Nickel	PB02.010	<1.9
Selenium	PB02.010	<1.4
Zinc	PB02.010	<0.4

Approved for Release,

*Nancy Pausett, QA*

Steve Twiss

President

WDOE Accreditation #C594

This report is issued solely for the person or company to whom it is addressed. This laboratory accepts responsibility only for the due performance of analysis according to industry accepted practice. Twiss Analytical Laboratories, Inc. or its employees are not responsible for consequential damages in any kind or in any amount.





JAN 30 2013

Jefferson County  
Environmental Health

October 12, 2012

Roger Short  
Shorts Family Farm  
1720 Center Rd  
Chimacum, WA 98325

**Project: Compost**  
**Sample Date: 9/26/12**

**Work Order #: 127424**  
**Sample Received: 9/26/12**

**Report on Analysis**

**Sample ID: Compost**  
**Lab No.: 127424-01**

pH	Saturated paste		6.73			
Phosphorus	Bray 1	ppm	355			
Potassium	NH4OAc	ppm	4,690			
Calcium	NH4OAc	meq/ 100 g	15.20			
Magnesium	NH4OAc	meq/ 100 g	12.8			
Sodium	NH4OAc	meq/ 100 g	7.91			
SMP Buffer Index*			NR	Low	Medium	High
Organic Matter	LOI	% by Wt	35			
Nitrate-Nitrogen	KCl	ppm	18.6			
Sol Salts	saturated paste	dS/ m	3.91			
TKN %			1.32			
C:N Ratio			15.4 : 1			

All analyses performed on air-dried soil passed through a 2 mm sieve.  
NA= not analyzed

**Overall Soil Fertility Levels**

The soil sample submitted from your site was found to have the following general nutrient ranges:

pH	Neutral	6.6-7.3
Phosphorus (P)	Excessive	>100 ppm
Potassium (K)	Excessive	>800 ppm
Calcium	High	>10 meq/100g
Magnesium	High	>1.5 meq/100g
Nitrate-Nitrogen	Medium	10-20 ppm
EC (soluble salts)	Moderately Saline	2.1-4.0 dS/m
Organic Matter	Very High	>7 %





January 17, 2013

Roger Short  
Shorts Family Farm  
1720 Center Rd  
Chimacum, WA 98325

**Project: Compost**  
**Sample Date: 1/8/13**

**Work Order #: 129527**  
**Sample Received: 1/8/13**

### Report on Analysis

**Sample ID: Compost**  
**Lab No.: 129527-01**

pH	1:2 soil to water	5.82			
Phosphorus	Bray 1 ppm	373			
Potassium	NH4OAc ppm	2,920			
Calcium	NH4OAc meq/ 100 g	22.60			
Magnesium	NH4OAc meq/ 100 g	9.38			
Sodium	NH4OAc meq/ 100 g	2.9			
SMP Buffer Index*		6.31	Low	Medium	High
Organic Matter	LOI % by Wt	NA			
Nitrate-Nitrogen	KCl ppm	449			
Soil Salts	1:2 dS/m	4.05			

All analyses performed on air-dried soil passed through a 2 mm sieve.  
NA= not analyzed

### Overall Soil Fertility Levels

The soil sample submitted from your site was found to have the following general nutrient ranges:

pH	Moderately Acidic	5.2-6.0
Phosphorus (P)	Excessive (possibility of runoff into streams)	>100 ppm
Potassium (K)	Excessive	>800 ppm
Calcium	High	>10 meq/100g
Magnesium	High	>1.5 meq/100g
Nitrate-Nitrogen	Excessive	>30 ppm
EC (soluble salts)	Very Strongly Saline	>3.2 dS/m
Organic Matter	Very High	>7 %





JEFFERSON COUNTY PUBLIC HEALTH  
Always Working for a Safer and Healthier Jefferson County

ANNUAL REPORT - COMPOSTING FACILITY

FACILITY NAME: <u>Shorts Family Farm</u>	REPORT FOR CALENDAR YEAR: <u>2011</u>	PERMIT NUMBER (if applicable): <u>1596</u>
FACILITY LOCATION (STREET ADDRESS): <u>1594 Center Rd</u> <u>Chimacum, Wa 98325</u>	COUNTY: <u>Jefferson</u>	
FACILITY CONTACT (name): <u>Roger Short</u>	FACILITY PHONE: <u>360 732 4601</u>	<b>RECEIVED</b>  MAY 29 2012 Jefferson County Environmental Health
FACILITY CONTACT MAILING ADDRESS (if different): <u>1720 Center Rd</u> <u>Chimacum, Wa 98325</u>	FACILITY CONTACT PHONE (if different):	
OPERATOR (Company/Business): <u>Shorts Family Farm</u>	OPERATOR CONTACT (Name): <u>Roger Short</u>	
Did you operate in <u>2011</u> ? <input checked="" type="checkbox"/> Yes If yes, proceed to next section and complete the form. <input type="checkbox"/> No If no, answer the following questions, sign, date and return. This completes your reporting obligations. When did you stop operations? _____ Do you plan to restart? <input type="checkbox"/> No <input type="checkbox"/> Yes When? _____ PLEASE SIGN AND DATE THIS FORM AND RETURN: Prepared by: <u>Roger Short</u> Date: <u>5-15-12</u>		
AMOUNT OF FEEDSTOCK COMPOSTED PER YEAR: (Please report by TONS):		
PLEASE CHECK IF RECEIVED	RECEIVED IN TONS	
<input checked="" type="checkbox"/> Yard Debris	<u>500</u>	
<input type="checkbox"/> Landclearing Debris		
<input checked="" type="checkbox"/> Crop Residues (specify)	<u>200</u>	
<input checked="" type="checkbox"/> Sawdust/Shavings Used in Composting	<u>40</u>	
<input type="checkbox"/> Other Wood Waste Used in Composting		
<input checked="" type="checkbox"/> Manure	<u>200</u>	
<input type="checkbox"/> Biosolids	<u>0</u>	
<input type="checkbox"/> Food Waste (pre-consumer vegetative)	<u>0</u>	
<input type="checkbox"/> Food Waste (all other)	<u>0</u>	
<input type="checkbox"/> Food Processing Waste	<u>0</u>	
<input type="checkbox"/> Carcasses	<u>0</u>	
<input type="checkbox"/> Industrial Waste (specify)	<u>0</u>	
<input type="checkbox"/> Other (specify)		
Total	<u>940</u>	

(Form continued on back page)



Rejects Disposed (report in tons): <u>200 Tons limited</u>		Name of Disposal Facility: <u>Shorts Family Farm</u>		
Are you open to the public? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Tip fees (Attach schedule if available) <u>\$1000 for brush</u>		
<input checked="" type="checkbox"/> Attach annual summary of laboratory analyses of composted material (check if attached)				
COMPOSTING SYSTEM USED (check all that apply):				
<input type="checkbox"/> Turned windrow <input checked="" type="checkbox"/> Aerated turned mass bed    Other (Specify) _____ <input checked="" type="checkbox"/> Aerated static pile <input type="checkbox"/> In-vessel (containerized) _____				
During the reporting year, were there any changes in your management practices that would impact your operations? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (specify) _____				
Are there any new solid waste activities planned at your site for this calendar year? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (specify) _____				
Planned start date: _____				
COMPOST PRODUCED (Report in tons or cubic yards. Please check whether wet or dry tons, or cubic yards):				
Name of Product	Tons	Wet	Dry	Cubic Yards
<u>Com post</u>				<u>1800</u>
Total Compost Produced				
FINAL DISPOSITION OF COMPOST	Tons	Wet	Dry	Cubic Yards
Sold in same calendar year				<u>900</u>
Stockpiled for future sale				<u>300</u>
Distributed offsite				
Used onsite				<u>400</u>
Name of disposal facility:				
Other:				
DID YOU RECEIVE FEEDSTOCK FROM:	SPECIFY WHERE FROM	TYPE OF FEEDSTOCK		AMOUNT Specify <input checked="" type="checkbox"/> Tons <input type="checkbox"/> Cubic Yards
Out of County? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<u>P.A. Hermann Bros</u>	<u>Sawdust</u>		<u>40</u>
Out of State? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Out of Country? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
MAXIMUM AMOUNT ONSITE AT ANY ONE TIME (CUBIC YARDS)	FEEDSTOCKS	PARTIALLY COMPOSTED	FINAL COMPOST	
	<u>1000</u>	<u>500</u>	<u>500</u>	
PREPARED BY: <u>Roger Short</u> Signature: <u>Roger Short</u>	DATE: <u>5-15-12</u>	PHONE: <u>360 732 4601</u>		





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MAY 29 2012

March 30, 2012

Roger Short  
Shorts Family Farm  
1720 Center Rd  
Chimacum, WA 98325

Jefferson County  
Environmental Health

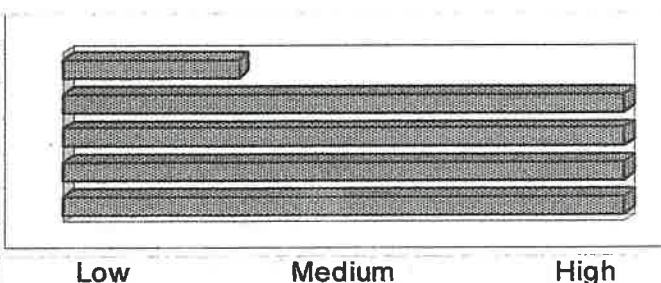
Project: Compost 2012  
Sample Date: 3/21/12

Work Order #: 122657  
Sample Received: 3/21/12

### Report on Analysis

Sample ID: Compost 2012  
Lab No.: 119733-01

pH	Saturated paste	6.23
Phosphorus	Bray 1 ppm	475
Potassium	NH4OAc ppm	4,850
Calcium	NH4OAc meq/ 100 g	16.00
Magnesium	NH4OAc meq/ 100 g	13.2
Sodium	NH4OAc meq/ 100 g	6.96
SMP Buffer Index*		6.36
Organic Matter	LOI % by Wt	34.6
Nitrate-Nitrogen	KCl ppm	219
Sol Salts	saturated paste dS/ m	3.51
TKN %		1.1
C:N Ratio		18 to 1



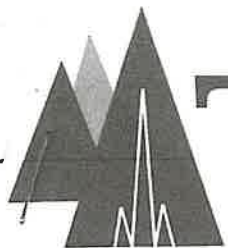
All analyses performed on air-dried soil passed through a 2 mm sieve.  
NA= not analyzed

### Overall Soil Fertility Levels

The soil sample submitted from your site was found to have the following general nutrient ranges:

pH	Slightly Acid	6.1-6.5
Phosphorus (P)	Excessive	<100 ppm
Potassium (K)	Excessive	>800 ppm
Calcium	High	>10 meq/100g
Magnesium	High	>1.5 meq/100g
Nitrate-Nitrogen	Excessive	>30 ppm
EC (soluble salts)	Moderately Saline	2.1-4.0 dS/m





**Twiss**  
ANALYTICAL, INC.

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MAY 29 2012

March 27, 2012

Roger Short  
Short's Family Farm Roger Short  
1720 Center Rd  
Chimacum, WA 98325

Jefferson County  
Environmental Health

Project: Compost 2012  
Sample Date: 3/21/12

Lab Work Order #: 122657  
Sample Received: 3/21/12

**Report On Analysis**

Sample ID: Compost 2012  
Lab No: 122657-01

Parameter	Digestion/Analysis		Result	Flag	Units	Date Analyzed
	Method					
Arsenic	EPA 3050B/6010B		<0.7		mg/kg	3/26/12
Cadmium	EPA 3050B/6010B		<0.4		mg/kg	3/26/12
Copper	EPA 3050B/6010B		26.2		mg/kg	3/26/12
Lead	EPA 3050B/6010B		1.88		mg/kg	3/26/12
Mercury	EPA 7471		0.07		mg/kg	3/23/12
Molybdenum	EPA 3050B/6010B		2.85		mg/kg	3/26/12
Nickel	EPA 3050B/6010B		28.9		mg/kg	3/26/12
Selenium	EPA 3050B/6010B		<1.4		mg/kg	3/26/12
Zinc	EPA 3050B/6010B		93.9		mg/kg	3/26/12

Note: Reported on a dry wt basis at 104° C

Approved for Release,

*Nancy Penrath, QA*

Steve Twiss  
President  
WDOE Accreditation #C594

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**Quality Control Report  
Twiss Analytical Laboratories, Inc.**

**Project: Compost 2012  
Sample Date: 3/21/12**

**Lab Work Order #: 122657  
Sample Received: 3/21/12**

**Laboratory Check Standard**

<b>Test Parameter</b>	<b>QC Sample ID</b>	<b>True Value mg/kg</b>	<b>Result mg/kg</b>	<b>% Recovery</b>
Arsenic	ICP11016	98.2	77.0	78.4
Cadmium	ICP11016	250	220	88.1
Copper	ICP11016	465	494	106
Lead	ICP11016	296	261	88.3
Mercury	EPA Soil 73	15.2	14.8	97.4
Molybdenum	ICP11016	53.8	57.5	107
Nickel	ICP11016	229	214	93.3
Selenium	ICP11016	53.2	48.3	90.7
Zinc	ICP11016	1030	916	89.0

**Digest Blank**

<b>Test Parameter</b>	<b>Blank ID</b>	<b>Result mg/kg</b>
Arsenic	PB12.097	<0.7
Cadmium	PB12.097	<0.4
Copper	PB12.097	<0.5
Lead	PB12.097	<0.4
Mercury	PB12.096	<0.03
Molybdenum	PB12.097	<0.4
Nickel	PB12.097	<1.9
Selenium	PB12.097	<1.4
Zinc	PB12.097	<0.4

**Approved for Release,**

*Nancy Parrott, QA Sr*

**Steve Twiss  
President**

**WDOE Accreditation #C594**

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**PO Box 2339  
Poulsbo, WA 98370**

# Invoice

Due Date	Date	Invoice #
4/26/2012	3/27/2012	12-50431

**PAID**  
03/27/2012

**RECEIVED**

**MAY 29 2012**

Jefferson County  
Environmental Health

Shorts Family Farm  
1720 Center Road  
Chimacum, WA 98325

☐ Please check box if address is incorrect or has changed, and indicate change(s) on reverse side.

New e-mail address? Enter here: \_\_\_\_\_

**Balance Due**

**\$0.00**

PLEASE DETACH AND RETURN TOP PORTION WITH YOUR PAYMENT.

**Twiss Analytical, Inc**  
**PO Box 2339**  
**Poulsbo, WA 98370**

P.O. No.	Terms	Invoice #
	Net 30	12-50431

Description	Qty	Rate	Amount
503 REGULATED METALS	1	175.00	175.00
CARBON/NITROGEN RATIO	1	58.00	58.00
SOIL ASSESSMENT PACKAGE	1	47.50	47.50
Project: Compost 2012 Lab work order #122657			
Phone #	Fax #	E-mail	Total
360-779-5141	360-779-5150	btwiss@twisslabs.com	\$280.50
			Payments/Credits
			\$-280.50
			Balance Due
			\$0.00





Soil  
2010  
Participating  
Laboratory



March 25, 2011

Roger Short  
Magical Soil  
1720 Center Road  
Chimacum, WA 98325

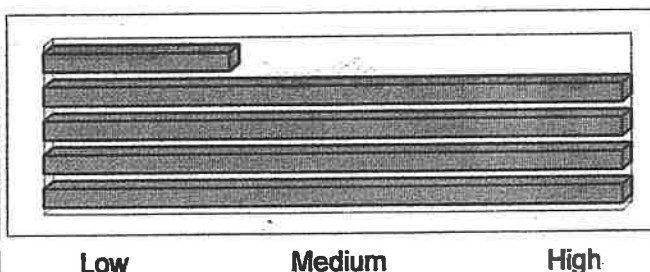
Project: Compost  
Sample Date: 3/10/11

Work Order #: 113604  
Sample Received: 3/10/11

### Report on Analysis

Sample ID: Compost  
Lab No: 113604-01

pH	1:2 soil to water	6.4
Phosphorus	Bray ppm	431
Potassium	NH4OAc ppm	5,140
Calcium	NH4OAc meq/100 g	12.80
Magnesium	NH4OAc meq/100 g	11.2
Sodium	NH4OAc meq/100 g	6.22
SMP Buffer Index*		6.3
Organic Matter	LOI % by Wt	41.5
Nitrate-Nitrogen	KCl ppm	228
Sol Salts	1:2 soil:water dS/m	4.17



NA- Not analyzed

All analyses performed on air-dried soil passed through a 2 mm sieve.

### Soil Fertility Levels

The soil sample submitted from your site was found to have the following general nutrient levels:

pH	Slightly Acid	6.1-6.5
Phosphorus (P)	Excessive (possibility of runoff)	>100 ppm
Potassium (K)	Excessive (problem in forage crops for animals)	>800 ppm
Calcium	High	>10 meq/100g
Magnesium	High	>1.5 meq/100g
Nitrate-Nitrogen	Excessive	>30 ppm
Sol. Salts (EC)	Very Strongly Saline-Injury to all but very salt tolerant plants	4.1-8.0 dS/m



## ANNUAL REPORT - COMPOSTING FACILITY

FACILITY NAME: <u>Shorts Family Farm</u> <u>Valley View Dairy Compost</u>	REPORT FOR CALENDAR YEAR: 2010	PERMIT NUMBER (if applicable):
FACILITY LOCATION (STREET ADDRESS): 1594 Center Road Chimacum, WA 98325	COUNTY: Jefferson	FACILITY CONTACT EMAIL: <u>+</u> <u>short@earthlink.net</u> <u>rshort42@gmail.com</u>
FACILITY CONTACT (name): Roger Short	FACILITY PHONE: _____ 360-732-4601	
FACILITY CONTACT MAILING ADDRESS (if different): 1720 Center Road Chimacum, WA 98325	FACILITY CONTACT PHONE (if different): 360-732-4601	
OPERATOR (Company/Business):	OPERATOR CONTACT (Name):	

**Did you operate during 2010?**

☒ Yes *If yes, complete this form.*

☐ No *If no, answer the following questions, sign, date and return. This completes your reporting obligations.*

When did you stop operations? \_\_\_\_\_

Do you plan to restart? ☐ No ☐ Yes When? \_\_\_\_\_

PLEASE SIGN AND DATE THIS FORM AND RETURN:

Prepared by: \_\_\_\_\_ Date: \_\_\_\_\_

**Are you open to the public?** ☒ Yes ☐ No

Tip fees (Attach schedule if available) \$5.00 donation - not enforced

During the reporting year, were there any changes in your management practices that impacted your operations?

☒ No ☐ Yes (specify) \_\_\_\_\_

Are there any new solid waste activities planned at your site for 2011? ☒ No ☐ Yes (specify) \_\_\_\_\_

Planned start date: \_\_\_\_\_

☒ **Attach annual summary of lab analyses of composted material**

COMPOSTING SYSTEM USED (check all that apply)

☐ Turned windrow ☒ Aerated turned mass bed ☐ Other (Specify) \_\_\_\_\_

☐ Actively aerated static pile ☒ Passively aerated static pile ☐ In-vessel (containerized)

(Form continued on back page.)

RECEIVED

MAY 03 2011

Jefferson County  
Environmental Health



FEEDSTOCKS COMPOSTED (report in tons <u>or</u> cubic yards)	Feedstocks received from the same county as the compost facility		Feedstocks received from out-of- county, other states or out-of-country		
	Tons	Cubic Yards	Tons	Cubic Yards	Where received from?
<input type="checkbox"/> Biosolids		0			
<input type="checkbox"/> Carcasses		0			
<input type="checkbox"/> Crop residues (specify): <i>pasture clippings rained on hay</i>	300				
<input type="checkbox"/> Food processing waste		0			
<input type="checkbox"/> Food waste (pre-consumer, vegetative)		0			
<input type="checkbox"/> Food waste (post-consumer, other)		0			
<input type="checkbox"/> Industrial waste (specify):		0			
<input type="checkbox"/> Landclearing debris		0			
<input type="checkbox"/> Manure (specify type): <i>Cattle horse</i>	300				
<input type="checkbox"/> Mixed food & yard debris (residential)		0			
<input type="checkbox"/> Sawdust / shavings	100				
<input type="checkbox"/> Other wood debris					
<input type="checkbox"/> Yard debris	400				
<input type="checkbox"/> Other (specify):					
<b>Total</b>	<b>1800</b>				
<b>Energy Recovery</b>					
<input type="checkbox"/> Materials received for Hog Fuel		0			
<input type="checkbox"/> Materials received for Anaerobic Digestion		0			
<b>Materials Disposed</b>					
Rejects disposed (report in tons): <b>120</b>	Name of Disposal Facility: <b>applied on farm land</b>				
Rejects Type: <b>sticks rocks wet Compost</b>					
COMPOST PRODUCED (report in tons <u>or</u> cubic yards)	Tons	Cubic Yards	FINAL DISPOSITION OF COMPOST (report in tons <u>or</u> cubic yards)	Tons	Cubic Yards
Name of Product					
<b>Compost</b>	<b>800</b>		Sold in same calendar year		
<b>Compost</b>	<b>280</b>		Stockpiled for future sale		
			Distributed offsite		
			Used onsite		
Total Compost Produced	<b>1080</b>		Other:		
PREPARED BY (print name): <b>Roger Short</b>			DATE: <b>4-30-11</b>		PHONE: <b>360 732 4601</b>
(signature): <b>Roger Short</b>					
Email: <b>rshort42@gmail.com</b>					

If you need this publication in another format, please call the Waste 2 Resources Program at 360-407-6900.  
Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.





March 25, 2011

Magical Soil  
Short's Family Farm Roger Short  
1720 Center Rd  
Chimacum, WA 98325

Project: Compost  
Sample Date: 3/10/11

Lab Work Order #: 113604  
Sample Received: 3/10/11

**Report On Analysis**

Sample ID: Compost  
Lab No: 113604-01

Parameter	Digestion/Analysis		Result	Flag	Units	Date Analyzed
	Method					
Arsenic	EPA 3050B/6010B		2.22		mg/kg	3/17/11
Cadmium	EPA 3050B/6010B		<0.1		mg/kg	3/17/11
Copper	EPA 3050B/6010B		31.1		mg/kg	3/17/11
Lead	EPA 3050B/6010B		11.2		mg/kg	3/17/11
Mercury	EPA 7471		0.05		mg/kg	3/16/11
Molybdenum	EPA 3050B/6010B		5.31		mg/kg	3/17/11
Nickel	EPA 3050B/6010B		21.9		mg/kg	3/17/11
Selenium	EPA 3050B/6010B		2.99		mg/kg	3/17/11
Zinc	EPA 3050B/6010B		96.0		mg/kg	3/17/11

Note: Reported on a dry wt basis at 104° C

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Approved for Release,

MAY 03 2011

*Nancy Parrott, QA*

Steve Twiss  
President

WDOE Accreditation #C594

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Jefferson County  
Environmental Health



**Quality Control Report**  
**Twiss Analytical Laboratories, Inc.**

**Project: Compost**  
**Sample Date: 3/10/11**

**Lab Work Order #: 113604**  
**Sample Received: 3/10/11**

**Laboratory Check Standard**

Test Parameter	QC Sample ID	True Value mg/kg	Result mg/kg	% Recovery
Arsenic	ERA Soil 71	110	94.7	86.1
Cadmium	ERA Soil 71	67.9	66.3	97.7
Copper	ERA Soil 71	91.1	97.1	107
Lead	ERA Soil 71	100	96.5	96.5
Mercury	ERA Soil 59	8.16	8.33	102
Molybdenum	ERA Soil 71	54.8	46.7	85.1
Nickel	ERA Soil 71	66.1	65.4	98.9
Selenium	ERA Soil 71	99.4	90.5	91.0
Zinc	ERA Soil 71	147	156	106

**Digest Blank**

Test Parameter	Blank ID	Result mg/kg
Arsenic	PB11.086	<0.8
Cadmium	PB11.086	<0.1
Copper	PB11.086	<0.6
Lead	PB11.086	<0.7
Mercury	PB11.085	<0.03
Molybdenum	PB11.086	<0.3
Nickel	PB11.086	<0.2
Selenium	PB11.086	<1.3
Zinc	PB11.086	<1.0

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MAY 03 2011

Approved for Release,

*Nancy Parrott, QA L*

Steve Twiss  
President

WDOE Accreditation #C594

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Jefferson County  
Environmental Health





# Invoice

Due Date	Date	Invoice #
4/27/2011	3/28/2011	11-41549

Magical Soil  
1720 Center Road  
Chimacum, WA 98325

☐ Please check box if address is incorrect or has changed, and indicate change(s) on reverse side.

New e-mail address? Enter here: \_\_\_\_\_

**Balance Due** **\$240.50**

PLEASE DETACH AND RETURN TOP PORTION WITH YOUR PAYMENT.

**Twiss Analytical, Inc**  
**PO Box 2339**  
**Poulsbo, WA 98370**

P.O. No.	Terms	Invoice #
	Net 30	11-41549

Description	Qty	Rate	Amount
503 REGULATED METALS	1	175.00	175.00
SOIL ASSESSMENT PACKAGE	1	47.50	47.50
ORGANIC MATTER	1	18.00	18.00
Project: Compost Lab work order #13604			
<div style="text-align: center;"> <p><b>RECEIVED</b></p> <p>MAY 03 2011</p> <p>Jefferson County Environmental Health</p> </div>			
Phone #	Fax #	E-mail	Total
360-779-5141	360-779-5150	btwiss@twisslabs.com	\$240.50
			Payments/Credits
			\$0.00
			Balance Due
			\$240.50





## ANNUAL REPORT - COMPOSTING FACILITY

1-1-2010 Name change only from Valley View Dairy. Same owner operator

↓

FACILITY NAME: Valley View Dairy Compost	REPORT FOR CALENDAR YEAR: 2009	PERMIT NUMBER (if applicable):
FACILITY LOCATION (STREET ADDRESS): 1594 Center Road Chimacum, WA 98325	COUNTY: Jefferson	
FACILITY CONTACT (name): Roger Short	FACILITY PHONE: 732-4601	
FACILITY CONTACT MAILING ADDRESS (if different): 1720 Center Road Chimacum, WA 98325	FACILITY CONTACT PHONE (if different): 360-732-4601	
OPERATOR (Company/Business): Shorts Family Farm	OPERATOR CONTACT (Name): Roger Short	
Did you operate in 2009? <input checked="" type="checkbox"/> Yes If yes, proceed to next section and complete the form. <input type="checkbox"/> No If no, answer the following questions, sign, date and return. This completes your reporting obligations. When did you stop operations? _____ Do you plan to restart? <input type="checkbox"/> No <input type="checkbox"/> Yes When? _____ PLEASE SIGN AND DATE THIS FORM AND RETURN: Prepared by: _____ Date: _____		
AMOUNT OF FEEDSTOCK COMPOSTED PER YEAR: (Please report by TONS):		
PLEASE CHECK IF RECEIVED	RECEIVED IN TONS	
<input type="checkbox"/> Yard Debris	200	
<input type="checkbox"/> Yard Debris & Food scraps (curbside collection)	0	
<input type="checkbox"/> Landclearing Debris	0	
<input type="checkbox"/> Crop Residues (specify)	500	
<input type="checkbox"/> Sawdust/Shavings Used in Composting	200	
<input type="checkbox"/> Other Wood Debris Used in Composting	0	
<input type="checkbox"/> Manure (specify)	700	
<input type="checkbox"/> Biosolids	0	
<input type="checkbox"/> Food scraps (pre-consumer vegetative)	0	
<input type="checkbox"/> Food scraps (all other)	0	
<input type="checkbox"/> Food Processing scraps	0	
<input type="checkbox"/> Carcasses	0	
<input type="checkbox"/> Industrial material (specify)	0	
<input type="checkbox"/> Other (specify) Disc Bay mill Sawdust	300	
Total	1900	

(Form continued on back page)

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Rejects Disposed (report in tons): <u>200</u>		Name of Disposal Facility: <u>on farm</u>	
Rejects Type: <u>stones, sticks mud</u>		Tip fees (Attach schedule if available): <u>- 0 -</u>	
Are you open to the public? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
<input checked="" type="checkbox"/> Attach annual summary of laboratory analyses of composted material (check if attached)			
COMPOSTING SYSTEM USED (check all that apply):			
<input type="checkbox"/> Turned windrow <input type="checkbox"/> Aerated turned mass bed    Other (Specify) _____ <input checked="" type="checkbox"/> Aerated static pile <input type="checkbox"/> In-vessel (containerized) _____			
During the reporting year, were there any changes in your management practices that would impact your operations? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (specify) _____			
Are there any new solid waste activities planned at your site for this calendar year? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (specify) _____			
Planned start date: _____			
COMPOST PRODUCED (Report in tons or cubic yards. Cubic yards preferred):			
Name of Product	Tons	Wet	Dry    Cubic Yards (preferred)
<u>Compost</u>			<u>2400</u>
Total Compost Produced			
FINAL DISPOSITION OF COMPOST	Tons	Wet	Dry    Cubic Yards (preferred)
Sold in same calendar year			<u>1750</u>
Stockpiled for future sale			<u>450</u>
Distributed offsite			
Used onsite			<u>200</u>
Name of disposal facility:			
Other:			
DID YOU RECEIVE FEEDSTOCK FROM:	SPECIFY WHERE FROM	TYPE OF FEEDSTOCK	AMOUNT (report in tons)
Out of County? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Out of State? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Out of Country? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
PREPARED BY: (print name) <u>Roger Short</u>	DATE: <u>3-15-10</u>	PHONE: <u>360 732 4601</u>	
PREPARED BY: (signature) <u>[Signature]</u>			
EMAIL: <u>r-short@earthlink.net</u>			

To receive this document in alternate format, contact Ecology's Solid Waste & Financial Assistance Program  
At 360-407-6900 (Voice), 711, or 1-800-833-6388 (TTY).



Roger Short  
1720 Center Rd  
Chimacum, WA 98325

March 22, 2010

**Project: Soil**  
**Sample Date: 3/10/10**

**Lab Work Order#: 103697**  
**Sample Received: 3/10/10**

**Report on Analysis**

**Sample ID: Compost**  
**Lab No.: 103697-01**

Digestion/Analysis		Result	Flag	Unit	Date Analyzed
Parameter	Method				
Arsenic	EPA 3050B/6010B	1.72		mg/kg	3/17/10
Cadmium	EPA 3050B/6010B	0.443		mg/kg	3/17/10
Copper	EPA 3050B/6010B	42.1		mg/kg	3/17/10
Lead	EPA 3050B/6010B	7.21		mg/kg	3/17/10
Mercury	EPA 7471	0.04		mg/kg	3/17/10
Molybdenum	EPA 3050B/6010B	4.21		mg/kg	3/17/10
Nickel	EPA 3050B/6010B	25.9		mg/kg	3/17/10
Selenium	EPA 3050B/6010B	5.96		mg/kg	3/17/10
Zinc	EPA 3050B/6010B	121		mg/kg	3/17/10

Approved for Release,

*Nancy Parrott for*

Steve Twiss  
President

WDOE Accreditation #C1316

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**Quality Control Report**  
**Twiss Analytical Laboratories, Inc.**

**Project: Soil**  
**Sample Date: 3/10/10**

**Lab Work Order#: 103697**  
**Sample Received: 3/10/10**

**Laboratory Check Standard**

<b>Test Parameter</b>	<b>QC Sample ID</b>	<b>True Value mg/kg</b>	<b>Result mg/kg</b>	<b>% Recovery</b>
Arsenic	EPA Soil 67	148	137	92.4
Cadmium	EPA Soil 67	77.9	78.9	101
Copper	EPA Soil 67	116	130	112
Lead	EPA Soil 67	155	143	92.2
Mercury	ERA Soil 59	8.16	9.15	112
Molybdenum	EPA Soil 67	106	110	103
Nickel	EPA Soil 67	144	152	106
Selenium	EPA Soil 67	221	212	96.1
Zinc	EPA Soil 67	227	230	101

**Digest Blank**

<b>Test Parameter</b>	<b>Blank ID</b>	<b>Result mg/kg</b>
Arsenic	PB12.062	<(0.8)
Cadmium	PB12.062	<(0.1)
Copper	PB12.062	<(0.6)
Lead	PB12.062	<(0.7)
Mercury	PB12.063	<(0.03)
Molybdenum	PB12.062	<(0.3)
Nickel	PB12.062	<(0.2)
Selenium	PB12.062	<(1.3)
Zinc	PB12.062	<(1.0)

Approved for Release,

*Nancy Parrott for*

**Steve Twiss**  
**President**

**WDOE Accreditation #C1316**

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**Environmental Health**





## ANNUAL REPORT - COMPOSTING FACILITY

FACILITY NAME: <b>Valley View Dairy Compost</b>	REPORT FOR CALENDAR YEAR: <b>2008</b>	PERMIT NUMBER (if applicable):
FACILITY LOCATION (STREET ADDRESS): <b>1594 Center Road Chimacum WA 98325</b>	COUNTY: <b>Jefferson</b>	
FACILITY CONTACT (name): <b>Roger Short</b>	FACILITY PHONE: <b>360-301-3521 cell</b>	
FACILITY CONTACT MAILING ADDRESS (If different): <b>1720 Center Road Chimacum WA 98325</b>	FACILITY CONTACT PHONE (if different): <b>360-732-4601</b>	
OPERATOR (Company/Business): <b>Valley View Dairy</b>	OPERATOR CONTACT (Name): <b>Roger Short</b>	
<p>Did you operate in <u>2008</u> ?</p> <p><input checked="" type="checkbox"/> Yes <b>If yes</b>, proceed to next section and complete the form.</p> <p><input type="checkbox"/> No <b>If no</b>, answer the following questions, sign, date and return. This completes your reporting obligations.</p> <p>When did you stop operations? _____</p> <p>Do you plan to restart? <input type="checkbox"/> No <input type="checkbox"/> Yes When? _____</p> <p>PLEASE SIGN AND DATE THIS FORM AND RETURN:</p> <p>Prepared by: <u><i>Roger Short</i></u> Date: <u>2-27-09</u></p>		
AMOUNT OF FEEDSTOCK COMPOSTED PER YEAR: (Please report by TONS):		
PLEASE CHECK IF RECEIVED	RECEIVED IN TONS	
<input type="checkbox"/> Yard Debris	0	
<input type="checkbox"/> Landclearing Debris	0	
<input type="checkbox"/> Crop Residues (specify)	500	
<input type="checkbox"/> Sawdust/Shavings Used in Composting	0	
<input type="checkbox"/> Other Wood Waste Used in Composting	300	
<input type="checkbox"/> Manure	600	
<input type="checkbox"/> Biosolids	0	
<input type="checkbox"/> Food Waste (pre-consumer vegetative)	0	
<input type="checkbox"/> Food Waste (all other)	0	
<input type="checkbox"/> Food Processing Waste	0	
<input type="checkbox"/> Carcasses	0	
<input type="checkbox"/> Industrial Waste (specify)	0	
<input type="checkbox"/> Other (specify) <b>Disco Bay mill Sawdust waste</b>	200	
<b>Total</b>	<b>1600</b>	

(Form continued on back page)



Rejects Disposed (report in tons): <b>150 Ton # Farm # Fatlot</b>		Name of Disposal Facility:		
Are you open to the public? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Tip fees (Attach schedule if available):		
<input checked="" type="checkbox"/> Attach annual summary of laboratory analyses of composted material (check if attached)				
<b>COMPOSTING SYSTEM USED (check all that apply):</b>				
<input checked="" type="checkbox"/> Turned windrow <input checked="" type="checkbox"/> Aerated turned mass bed    Other (Specify) _____ <input checked="" type="checkbox"/> Aerated static pile <input type="checkbox"/> In-vessel (containerized)				
During the reporting year, were there any changes in your management practices that would impact your operations? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (specify) <u>use more of a static pile process so I can keep material on concrete and drain to manure pond</u> Are there any new solid waste activities planned at your site for this calendar year? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (specify) <u>start taking manure from horse stables and some yard waste</u> Planned start date: <u>Feb 09</u>				
<b>COMPOST PRODUCED (Report in tons or cubic yards. Please check whether wet or dry tons, or cubic yards):</b>				
Name of Product	Tons	Wet	Dry	Cubic Yards
Compost				2200
Total Compost Produced				
<b>FINAL DISPOSITION OF COMPOST</b>	<b>Tons</b>	<b>Wet</b>	<b>Dry</b>	<b>Cubic Yards</b>
Sold in same calendar year				1900
Stockpiled for future sale				300
Distributed offsite				
Used onsite				
Name of disposal facility:				
Other:				
<b>DID YOU RECEIVE FEEDSTOCK FROM:</b>	<b>SPECIFY WHERE FROM</b>	<b>TYPE OF FEEDSTOCK</b>		<b>AMOUNT</b> Specify <input type="checkbox"/> Tons <input type="checkbox"/> Cubic Yards
Out of County? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Out of State? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Out of Country? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
<b>PREPARED BY:</b> <i>Roger Short</i>		<b>DATE:</b> 2-27-09		<b>PHONE:</b> 732 460 1360 301 3521

To receive this document in alternate format, contact Ecology's Solid Waste & Financial Assistance Program  
At 360-407-6900 (Voice), 711, or 1-800-833-6388 (TTY).



**Quality Control Report**  
**Twiss Analytical Laboratories, Inc.**

**Project: Compost**  
**Sample Date: 1/28/09**

**Work Order #: 93104**  
**Sample Received: 1/28/09**

Laboratory Check Standard

Test Parameter	QC Sample ID	Certified Value mg/kg	Result mg/kg	% Recovery
Arsenic	ERA Soil 61	251	222	88.3
Cadmium	ERA Soil 61	79.5	78.8	99.1
Copper	ERA Soil 61	73.0	75.2	103
Lead	ERA Soil 61	251	246	98.1
Mercury	ERA Soil 59	8.16	9.15	112
Molybdenum	ERA Soil 61	128	119	93.1
Nickel	ERA Soil 61	197	199	101
Selenium	ERA Soil 61	166	157	94.4
Zinc	ERA Soil 61	387	357	92.2

Digest Blank

Test Parameter	Sample ID	Result mg/kg
Arsenic	PB06.025	<(2.0)
Cadmium	PB06.025	<(0.2)
Copper	PB06.025	9.43
Lead	PB06.025	<(0.7)
Mercury	PB07.028	<(0.03)
Nickel	PB06.025	<(0.3)
Zinc	PB06.025	6.86
Selenium	PB06.025	<(1.0)
Molybdenum	PB06.025	<(0.5)

Approved for Release,

*Nancy Parrott for*

Steve Twiss  
President

WDOE Accreditation #C1316

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Jefferson County  
Environmental Health





February 17, 2009

Roger Short  
Valley View Dairy  
1720 Center Road  
Chimacum, WA 98325

**Project: Compost**  
**Sample Date: 1/28/09**

**Work Order #: 93104**  
**Sample Received: 1/28/09**

**Report on Analysis**

**Sample ID: Compost**  
**Lab No: 93104-01**

Parameter	Method	Result	Flag	Units	Date Analyzed
Arsenic	EPA 3050A/6010B	<(2.0)		mg/kg	2/5/09
Cadmium	EPA 3050A/6010B	0.162		mg/kg	2/9/09
Copper	EPA 3050A/6010B	36.4	B1	mg/kg	2/5/09
Lead	EPA 3050A/6010B	5.05		mg/kg	2/9/09
Mercury	EPA 7471	0.05		mg/kg	2/10/09
Molybdenum	EPA 3050A/6010B	3.47		mg/kg	2/9/09
Nickel	EPA 3050A/6010B	30.4		mg/kg	2/9/09
Selenium	EPA 3050A/6010B	3.55		mg/kg	2/9/09
Zinc	EPA 3050A/6010B	87.9	B2	mg/kg	2/5/09

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MAR 03 2009

Jefferson County  
Environmental Health





# JEFFERSON COUNTY PUBLIC HEALTH

615 Sheridan Street • Port Townsend • Washington • 98368  
[www.jeffersoncountypublichealth.org](http://www.jeffersoncountypublichealth.org)

January 21, 2009

Roger Short  
Valley View Dairy Compost  
1720 Center Rd.  
Chimacum, WA 98325

Mr. Short,

Enclosed, you will find the annual permit form for the Valley View Dairy Compost Facility.  
Please fill out the form and return it to:

Jefferson County Public Health  
Attn: Anita Hicklin  
615 Sheridan Street  
Port Townsend, WA 98368

The form is due by April 1, 2009. If you have any questions, call  
360-385-9405.

Respectfully,

Anita A. Hicklin  
Environmental Health Specialist  
Jefferson County Public Health

COMMUNITY HEALTH  
DEVELOPMENTAL DISABILITIES  
MAIN: 360-385-9400  
FAX: 360-385-9401

PL  
ALWA  
HEA

Conversation w/ Mark Cond. exempt.  
Roger Short could inspect  
Brown no permit

- Compost facility

- over volume

↓  
produces enough + sells

- needs permit

↓

over  
produces  
enough  
to  
be  
4,000  
+  
sells  
off  
site

submits annual reports  
(not complete)

- doesn't want permit

b/c of inspections

- can't afford to make  
then permitted

- needs to be up to code  
talk to Mike 808-944-2237





STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

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

October 8, 2008

Ms. Anita A. Hicklin MNS  
Environmental Health Specialist  
Jefferson County Public Health  
615 Sheridan Street  
Port Townsend, WA 98368

RE: Valley View Dairy - Exempt Compost Facility

Dear Ms. Hicklin:

On April 29, 2008 Ecology received the annual report for the Valley View Dairy Composting Operation. There are two points of interest I would like to bring to your attention in regards to this report.

First, the analytical results submitted showed a sample date of 03/12/2008. I am sure it was Valley View Dairy's intent for these analyticals to meet the requirement to maintain permit exemption. In the future, Ecology would advise submitting the sample closer to the end of December of the reporting year. This way the sample would be more indicative of the materials composted for the year of the annual report.

Second, the exemption from solid waste permitting granted to Valley View Dairy under WAC 173-350-220(1)(b)(ix)(A) allows for more than 40 cubic yards, but less than 1,000 cubic yards of agricultural waste to be on-site at any time. Ecology converted the amounts of waste reported in Valley View Dairy's annual report into cubic yards. The total amount added up to approximately 6,993 cubic yards. This amount does raise the question if more than 1,000 cubic yards was on-site at any one time. A visit to the site to address this requirement is recommended.

Please give me a call at (360) 407-6287 if you have any questions.

Sincerely,

Al Salvi  
Regional Environmental Specialist  
Solid Waste & Financial Assistance Program

cc: Roger Short, Owner, Valley View Dairy

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OCT 13 2008  
Jefferson County  
Environmental Health







# JEFFERSON COUNTY PUBLIC HEALTH

615 Sheridan Street • Port Townsend • Washington • 98368

[www.jeffersoncountypublichealth.org](http://www.jeffersoncountypublichealth.org)

---

June 17, 2008

Roger Short  
1720 Center Road  
Chimacum, WA 98325

Mr. Short:

As per your request, this letter is to inform you that the Health Department does not regulate animal bedding. When the sawdust is used as animal bedding it is no longer classified as a wood waste and would not fall under the regulations. The animal bedding is being used for an agricultural purpose.

Please remember that if any of the sawdust is used as a feedstock for the compost facility that it needs to be placed onto the cement pad. Please also remember that to remain exempt you must keep under 1,000 cubic yards.

Please feel free to contact me with any questions that you may have, my direct line is 360-385-9405.

Respectfully,

Anita A. Hicklin  
Environmental Health Specialist  
Jefferson County Public Health

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COMMUNITY HEALTH  
DEVELOPMENTAL DISABILITIES  
MAIN: 360-385-9400  
FAX: 360-385-9401

**PUBLIC HEALTH**  
ALWAYS WORKING FOR A SAFER AND  
HEALTHIER COMMUNITY

ENVIRONMENTAL HEALTH  
NATURAL RESOURCES  
MAIN: 360-385-9444  
FAX: 360-385-9401



Roger Short  
1720 Center Road  
Chimacum, WA. 98325  
360-301-3521 or 732-4601  
April 8, 2008

## DISCOVERY BAY RESTORATION PROJECT

1. Estimate of 9000 yards sawdust. Roger is flexible as to how many cubic yards.
2. It is ok if there are roots, small rocks, mud, and small sticks. After composting, the material will be screened with a tromel screen.
3. Rate or amount of present decomposition. Prefer material that looks like fresh sawdust. This type of material will work best for winter cattle bedding. I can use larger amounts of this type. The more the better.
4. Material about 50% decomposed may not have enough structure for bedding. In this case it will need to be mixed with fresher compostible feedstocks. All of this type of material would go directly to Roger's composting site at 1594 Center Road.
5. If material is over 60% decomposed it would be added to the later stages of Roger's composting process.
6. Some material may be added directly to hay fields.
7. I plan to have material dumped at :
  - a. Roger 1594 Center Road
  - b. Jim Shaw: 1150 Center Road
  - c. Joe Goularte 5795 Beaver Valley Road
8. If material is okay for dairy cow bedding, it will also be used at:
  - a. Gerald Bishop Dairy on the Egg & I Road
  - b. Phil Huntingford Dairy on Egg & I Road
9. Bedding quality sawdust will be dumped and spread in cattle winter confinement areas. It will help soak up manure and urine to reduce potential surface water and ground water contamination. It will also help keep the animals drier, cleaner, and healthier. The pens will be cleaned each summer and manure used to make compost to be sold to local landscapers, organic farmers, home gardens, restoration projects, soil water conservation, and other soils benefits.
10. Material can also be stock piled at "1594" on a area that drains to a USDA approved manure lagoon.



11. Roger has not actually seen the sawdust. Maybe Roger could dig a hole to actually see what the sawdust looks like.
12. Roger is assuming the engineer has okayed the sawdust being used for compost and is not considered a hazardous waste.
13. All proposed dump sites can accommodate a tandem axle truck. A truck with a long tongue pup will be difficult at all sites. Semi's could work. I am willing to make some road changes for big rigs. I might stockpile at one location , reload, and haul to the winter cattle pens. The trucking contractor and I should look and talk about the dump sites.
14. Roger is of the understanding the material will be dumped at his sites at no dollar cost.
15. There needs to a mutual understanding of liability issues.
16. Roger will take a sample of material when dumped and of the finished compost. He will test for ph, N, P, K, soluble salts and heavy metals required by Ecology for compost.
17. Roger has a tandem axle truck with a 8 x 18 x 4 ½ dump box. It could be available at the prevailing rate
18. Benefits:
  - a. makes beneficial uses of material
  - b. makes compost
  - c. local supply of compost to local landscapers, home owners, and farmers, to improve the soil without imported chemicals
  - d. a top quality compost can be used to fertilize lawns
  - e. fertilize gardens
  - f. helps soil retain moisture
  - g. Non-salmon citizens will feel they are getting benefits from salmon projects
19. Roger would be glad to show perspective contractors the potential dumping sites.
20. I am open for more discussion. I would like to see a win – win. I look forward to having a successful project.



173-350-030 << 173-350-040 >> 173-350-100

**WAC 173-350-040**

Washington State Register filings since 2003

**Performance standards.**

The owner or operator of all solid waste facilities subject to this chapter shall:

- (1) Design, construct, operate, and close all facilities in a manner that does not pose a threat to human health or the environment;
- (2) Comply with chapter 90.48 RCW, Water pollution control and implementing regulations, including chapter 173-200 WAC, Water quality standards for ground waters of the state of Washington;
- (3) Conform to the approved local comprehensive solid waste management plan prepared in accordance with chapter 70.95 RCW, Solid waste management -- Reduction and recycling, and/or the local hazardous waste management plan prepared in accordance with chapter 70.105 RCW, Hazardous waste management;
- (4) Not cause any violation of emission standards or ambient air quality standards at the property boundary of any facility and comply with chapter 70.94 RCW, Washington Clean Air Act; and
- (5) Comply with all other applicable local, state, and federal laws and regulations.

[Statutory Authority: Chapter 70.95 RCW. 03-03-043 (Order 99-24), § 173-350-040, filed 1/10/03, effective 2/10/03.]



results of analytical data

173-350-210 << 173-350-220 >> 173-350-230

**WAC 173-350-220**

**Composting facilities.**

Washington State Register filings since 2003

**(1) Composting facilities - Applicability.**

(a) This section is applicable to all facilities or sites that treat solid waste by composting. This section is not applicable to:

(i) Composting used as a treatment for dangerous wastes regulated under chapter 173-303 WAC, Dangerous waste regulation;

(ii) Composting used as a treatment for petroleum contaminated soils regulated under WAC 173-350-320;

(iii) Treatment of liquid sewage sludge or biosolids in digesters at wastewater treatment facilities regulated under chapter 90.48 RCW, Water pollution control and chapter 70.95J RCW, Municipal sewage sludge -- Biosolids;

(iv) Treatment of other liquid solid wastes in digesters regulated under WAC 173-350-330; and

(v) Composting biosolids when permitted under chapter 173-308 WAC, Biosolids management.

(b) In accordance with RCW 70.95.305, the operation of the following activities in this subsection are subject solely to the requirements of (c) of this subsection and are exempt from solid waste handling permitting. An owner or operator that does not comply with the terms and conditions of (c) of this subsection is required to obtain a permit from the jurisdictional health department and shall comply with all other applicable requirements of this chapter. In addition, violations of the terms and conditions of (c) of this subsection may be subject to the penalty provisions of RCW 70.95.315.

(i) Production of substrate used solely on-site to grow mushrooms;

(ii) Vermicomposting, when used to process Type 1, Type 2, or Type 3 feedstocks generated on-site;

(iii) Composting of Type 1 or Type 2 feedstocks with a volume limit of forty cubic yards of material on-site at any time. Material on-site includes feedstocks, partially composted feedstocks, and finished compost;

(iv) Composting of food waste generated on-site and composted in containers designed to prohibit vector attraction and prevent nuisance odor generation. Total volume of the containers shall be limited to ten cubic yards or less;

(v) Agricultural composting when all the agricultural wastes are generated on-site and all finished compost is used on-site;

(vi) Agricultural composting when any agricultural wastes are generated off-site, and all finished compost is used on-site, and total volume of material is limited to one thousand cubic yards on-site at any time. Material on-site includes feedstocks, partially composted feedstocks, and finished compost; and

(vii) Agricultural composting at registered dairies when the composting is a component of a fully certified dairy nutrient management plan as required by chapter 90.64 RCW, Dairy Nutrient Management Act.

(viii) Composting of Type 1 or Type 2 feedstocks when more than forty cubic yards and less than two hundred fifty cubic yards of material is on-site at any one time.

(ix) Agricultural composting, when any of the finished compost is distributed off-site and when it meets the following requirements:

(A) More than forty cubic yards, but less than one thousand cubic yards of agricultural waste is on-site at any time; and

(B) Agricultural composting is managed according to a farm management plan written in conjunction with a conservation district, a qualified engineer, or other agricultural professional able to certify that the plan meets applicable conservation practice standards in the *Washington Field Office Technical Guide* produced by the Natural Resources Conservation Service.

(x) Vermicomposting when used to process Type 1 or Type 2 feedstocks generated off-site. Total volume of materials is limited to one thousand cubic yards on-site at any one time.



(c) Composting operations identified in subsection (b) shall be managed according to the following terms and conditions to maintain their exempt status:

- (i) Comply with the performance standards of WAC 173-350-040;
- (ii) Protect surface water and ground water through the use of best management practices and all known available and reasonable methods of prevention, control, and treatment as appropriate. This includes, but is not limited to, setbacks from wells, surface waters, property lines, roads, public access areas, and site-specific setbacks when appropriate;
- (iii) Control nuisance odors to prevent migration beyond property boundaries;
- (iv) Manage the operation to prevent attraction of flies, rodents, and other vectors;
- (v) Conduct an annual analysis, prepared in accordance with the requirements of subsection (4)(a)(viii) of this section, for composted material that is distributed off-site from categorically exempt facilities described in subsection (1)(b)(vii) through (ix) of this section.
- (vi) Prepare and submit an annual report to the department and the jurisdictional health department by April 1st for categorically exempt facilities described in subsection (1)(b)(vii) through (ix) of this section. Annual reports are not required for facilities operating under the permit exemption provided in (b)(vii) of this subsection if the composted material is not distributed off-site. The annual report shall be on forms supplied by the department and shall detail facility activities during the previous calendar year and shall include the following information:
  - (A) Name and address of the facility;
  - (B) Calendar year covered by the report;
  - (C) Annual quantity and type of feedstocks received and compost produced, in tons;
  - (D) Annual quantity of composted material sold or distributed, in tons;
  - (E) Results of the annual analysis of composted material required by subsection (1)(c)(v) of this section; and
  - (F) Any additional information required by written notification of the department.
- (vii) Allow the department or the jurisdictional health department to inspect the site at reasonable times;
- (viii) For activities under (b)(viii) through (x) of this subsection, and registered dairies where compost is distributed off-site, the department and jurisdictional health department shall be notified in writing thirty days prior to beginning any composting activity. Notification shall include name of owner or operator, location of composting operation and identification of feedstocks.

(2) *Composting facilities - Location standards.* There are no specific location standards for composting facilities subject to this chapter; however, composting facilities must meet the requirements provided under WAC 173-350-040(5).

(3) *Composting facilities - Design standards.* The owner or operator of a composting facility shall prepare engineering reports/plans and specifications, including a construction quality assurance plan, to address the design standards of this subsection. Scale drawings of the facility including the location and size of feedstock and finished product storage areas, compost processing areas, fixed equipment, buildings, leachate collection devices, access roads and other appurtenant facilities; and design specifications for compost pads, storm water run-on prevention system, and leachate collection and conveyance systems shall be provided. All composting facilities shall be designed and constructed to meet the following requirements:

- (a) When necessary to provide public access, all-weather roads shall be provided from the public highway or roads to and within the compost facility and shall be designed and maintained to prevent traffic congestion, traffic hazards, dust and noise pollution;
- (b) Composting facilities shall separate storm water from leachate by designing storm water run-on prevention systems, which may include covered areas (roofs), diversion swales, ditches or other designs to divert storm water from areas of feedstock preparation, active composting and curing;
- (c) Composting facilities shall collect any leachate generated from areas of feedstock preparation, active composting and curing. The leachate shall be conveyed to a leachate holding pond, tank or other containment structure. The leachate holding structure shall be of adequate capacity to collect the amount of leachate generated, and the volume



calculations shall be based on the facility design, monthly water balance, and precipitation data. Leachate holding ponds and tanks shall be designed according to the following:

(i) For leachate ponds at registered dairies, the design and installation shall meet Natural Resources Conservation Service standards for a waste storage facility in the *Washington Field Office Technical Guide*.

(ii) For leachate ponds at composting facilities other than registered dairies, the pond shall be designed to meet the following requirements:

(A) Have a liner consisting of a minimum 30-mil thickness geomembrane overlying a structurally stable foundation to support the liners and the contents of the impoundment. High density polyethylene geomembranes used as primary liners or leak detection liners shall be at least 60-mil thick to allow for proper welding. The jurisdictional health department may approve the use of alternative designs if the owner or operator can demonstrate during the permitting process that the proposed design will prevent migration of solid waste constituents or leachate into the ground or surface waters at least as effectively as the liners described in this subsection;

(B) Have dikes and slopes designed to maintain their structural integrity under conditions of a leaking liner and capable of withstanding erosion from wave action, overfilling, or precipitation;

(C) Have freeboard equal to or greater than eighteen inches to avoid overtopping from wave action, overfilling, or precipitation. The jurisdictional health department may reduce the freeboard requirement provided that other engineering controls are in place which prevent overtopping. These engineering controls shall be specified during the permitting process;

(D) Leachate ponds that have the potential to impound more than ten-acre feet (three million two hundred fifty-nine thousand gallons) of liquid measured from the top of the dike and which would be released by a failure of the containment dike shall be reviewed and approved by the dam safety section of the department.

(iii) Tanks used to store leachate shall meet design standards in WAC 173-350-330 (3)(b).

(d) Composting facilities shall be designed with process parameters and management procedures that promote an aerobic composting process. This requirement is not intended to mandate forced aeration or any other specific composting technology. This requirement is meant to ensure that compost facility designers take into account porosity, nutrient balance, pile oxygen, pile moisture, pile temperature, and retention time of composting when designing a facility.

(e) Incoming feedstocks, active composting, and curing materials shall be placed on compost pads that meet the following requirements:

(i) All compost pads shall be curbed or graded in a manner to prevent ponding, run-on and runoff, and direct all leachate to collection devices. Design calculations shall be based upon the volume of water resulting from a twenty-five-year storm event as defined in WAC 173-350-100;

(ii) All compost pads shall be constructed over soils that are competent to support the weight of the pad and the proposed composting materials;

(iii) The entire surface area of the compost pad shall maintain its integrity under any machinery used for composting activities at the facility; and

(iv) The compost pad shall be constructed of materials such as concrete (with sealed joints), asphaltic concrete, or soil cement to prevent subsurface soil and ground water contamination;

(v) The jurisdictional health department may approve other materials for compost pad construction if the permit applicant is able to demonstrate that the compost pad will meet the requirements of this subsection.

(4) *Composting facilities - Operating standards.* The owner or operator of a composting facility shall:

(a) Operate the facility to:

(i) Control dust, nuisance odors, and other contaminants to prevent migration of air contaminants beyond property boundaries;

(ii) Prevent the attraction of vectors;

(iii) Ensure that only feedstocks identified in the approved plan of operation are accepted at the facility;



(iv) Ensure the facility operates under the supervision and control of a properly trained individual during all hours of operation, and access to the facility is restricted when the facility is closed;

(v) Ensure facility employees are trained in appropriate facility operations, maintenance procedures, and safety and emergency procedures according to individual job duties and according to an approved plan of operation;

(vi) Implement and document pathogen reduction activities when Type 2, 3 or 4 feedstocks are composted. Documentation shall include compost pile temperature and notation of turning as appropriate, based on the composting method used. Pathogen reduction activities shall at a minimum include the following:

(A) In vessel composting - the temperature of the active compost pile shall be maintained at fifty-five degrees Celsius (one hundred thirty-one degrees Fahrenheit) or higher for three days; or

(B) Aerated static pile - the temperature of the active compost pile shall be maintained at fifty-five degrees Celsius (one hundred thirty-one degrees Fahrenheit) or higher for three days; or

(C) Windrow composting - the temperature of the active compost pile shall be maintained at fifty-five degrees Celsius (one hundred thirty-one degrees Fahrenheit) or higher for fifteen days or longer. During the period when the compost is maintained at fifty-five degrees Celsius (one hundred thirty-one degrees Fahrenheit) or higher, there shall be a minimum of five turnings of the windrow; or

(D) An alternative method that can be demonstrated by the owner or operator to achieve an equivalent reduction of human pathogens;

(vii) Monitor the composting process according to the plan of operation submitted during the permitting process. Monitoring shall include inspection of incoming loads of feedstocks and pathogen reduction requirements of (a)(vi) of this subsection; and

(viii) Analyze composted material for:

(A) Metals in Table A at the minimum frequency listed in Table C. Compost facilities composting only Type 1 and Type 2 feedstocks are not required to test for molybdenum and selenium. Testing frequency is based on the feedstock type and the volume of feedstocks processed per year;

(B) Parameters in Table B at the minimum frequency listed in Table C. Testing frequency is based on the feedstock type and the volume of feedstocks processed per year;

(C) Nitrogen content at the minimum frequency listed in Table C; and

(D) Biological stability as outlined in United States Composting Council Test Methods for the Examination of Composting and Compost at the minimum frequency listed in Table C;

(E) The jurisdictional health department may require testing of additional metal or contaminants, and/or modify the frequency of testing based on historical data for a particular facility, to appropriately evaluate the composted material.

Table A - Metals

<b>Metal</b>	<b>Limit (mg/kg dry weight)</b>
Arsenic	< = 20 ppm
Cadmium	< = 10 ppm
Copper	< = 750 ppm
Lead	< = 150 ppm
Mercury	< = 8 ppm
Molybdenum <sup>1</sup>	< = 9 ppm
Nickel	< = 210 ppm
Selenium <sup>1</sup>	< = 18 ppm
Zinc	< = 1400 ppm

<sup>1</sup>Not required for composted material made from Type 1, Type 2 or a mixture of Type 1 and Type 2 feedstocks.



Table B - Other Testing Parameters

Parameter	Limit
Manufactured Inerts	< 1 percent
Sharps	0
pH	5 - 10 (range)
Fecal Coliform	< 1,000 Most Probable Number per gram of total solids (dry weight).
Salmonella	< 3 Most Probable Number per 4 grams of total solids (dry weight).

Table C - Frequency of Testing Based on Feedstocks Received

Feedstock Type	< 5,000 cubic yards	= or > 5,000 cubic yards
Type 1	Once per year	Every 10,000 cubic yards or every six months whichever is more frequent
or		
Type 2		
Type 3	Once per quarter (four times per year)	Every 5,000 cubic yards or every other month whichever is more frequent
Type 4	Every 1,000 cubic yards	Every 1,000 cubic yards or once per month whichever is more frequent

(b) Inspect the facility to prevent malfunctions and deterioration, operator errors and discharges, which may cause or lead to the release of waste to the environment or a threat to human health. Inspections shall be conducted at least weekly, unless an alternate schedule is approved by the jurisdictional health department as part of the permitting process. For compost facilities with leachate holding ponds, conduct regular liner inspections at least once every five years, unless an alternate schedule is approved by the jurisdictional health department as part of the permitting process. The frequency of inspections shall be specified in the operations plan and shall be based on the type of liner, expected service life of the material, and the site-specific service conditions. The jurisdictional health department shall be given sufficient notice and have the opportunity to be present during liner inspections. An inspection log or summary shall be kept at the facility or other convenient location if permanent office facilities are not on-site, for at least five years from the date of inspection. Inspection records shall be available to the jurisdictional health department upon request.

(c) Maintain daily operating records of the following:

(i) Temperatures and compost pile turnings for Type 2, Type 3 and Type 4 feedstocks;

(ii) Additional process monitoring data as prescribed in the plan of operation; and

(iii) Results of laboratory analyses for composted materials as required in (a)(viii) of this subsection. Facility inspection reports shall be maintained in the operating record. Significant deviations from the plan of operation shall be noted in the operating record. Records shall be kept for a minimum of five years and shall be available upon request by the jurisdictional health department.

(d) Prepare and submit a copy of an annual report to the jurisdictional health department and the department by April 1st on forms supplied by the department. The annual report shall detail the facility's activities during the previous



calendar year and shall include the following information:

- (i) Name and address of the facility;
  - (ii) Calendar year covered by the report;
  - (iii) Annual quantity and type of feedstocks received and compost produced, in tons;
  - (iv) Annual quantity of composted material sold or distributed, in tons;
  - (v) Annual summary of laboratory analyses of composted material; and
  - (vi) Any additional information required by the jurisdictional health department as a condition of the permit.
- (e) Develop, keep and abide by a plan of operation approved as part of the permitting process. The plan of operation shall convey to site personnel the concept of operation intended by the designer. The plan of operation shall be available for inspection at the request of the jurisdictional health department. If necessary, the plan shall be modified with the approval, or at the direction of the jurisdictional health department. Each plan of operation shall include the following:
- (i) List of feedstocks to be composted, including a general description of the source of feedstocks;
  - (ii) A description of how wastes are to be handled on-site during the facility's active life including:
    - (A) Acceptance criteria that will be applied to the feedstocks;
    - (B) Procedures for ensuring that only the waste described will be accepted;
    - (C) Procedures for handling unacceptable wastes;
    - (D) Mass balance calculations for feedstocks and amendments to determine an acceptable mix of materials for efficient decomposition;
    - (E) Material flow plan describing general procedures to manage all materials on-site from incoming feedstock to finished product;
    - (F) A description of equipment, including equipment to add water to compost as necessary;
    - (G) Process monitoring plan, including temperature, moisture, and porosity;
    - (H) Pathogen reduction plan for facilities that accept Type 2, Type 3, and Type 4 feedstocks;
    - (I) Sampling and analysis plan for the final product;
    - (J) Nuisance odor management plan (air quality control plan);
    - (K) Leachate management plan, including monthly water balance; and
    - (L) Storm water management plan;
  - (iii) A description of how equipment, structures and other systems are to be inspected and maintained, including the frequency of inspections and inspection logs;
  - (iv) A neighbor relations plan describing how the owner or operator will manage complaints;
  - (v) Safety, fire and emergency plans;
  - (vi) Forms for recordkeeping of daily weights or volumes of incoming feedstocks by type and finished compost product, and process monitoring results; and
  - (xvii) Other such details to demonstrate that the facility will be operated in accordance with this subsection and as required by the jurisdictional health department.
- (5) *Composting facilities - Ground water monitoring requirements.* There are no specific ground water monitoring requirements for composting facilities subject to this chapter; however, composting facilities must meet the requirements provided under WAC 173-350-040(5).



(6) *Composting facilities - Closure requirements.* The owner or operator of a composting facility shall:

(a) Notify the jurisdictional health department sixty days in advance of closure. At closure, all solid waste, including but not limited to, raw or partially composted feedstocks, and leachate from the facility shall be removed to another facility that conforms with the applicable regulations for handling the waste.

(b) Develop, keep and abide by a closure plan approved by the jurisdictional health department as part of the permitting process. At a minimum, the closure plan shall include methods of removing solid waste materials from the facility.

(7) *Composting facilities - Financial assurance requirements.* There are no specific financial assurance requirements for composting facilities subject to this chapter; however, composting facilities must meet the requirements provided under WAC 173-350-040(5).

(8) *Composting facilities - Permit application contents.* The owner or operator of a composting facility shall obtain a solid waste permit from the jurisdictional health department. All applications for permits shall be submitted in accordance with the procedures established in WAC 173-350-710. In addition to the requirements of WAC 173-350-710 and 173-350-715, each application for a permit shall contain:

(a) Engineering reports/plans and specifications that address the design standards of subsection (3) of this section;

(b) A plan of operation meeting the requirements of subsection (4) of this section; and

(c) A closure plan meeting the requirements of subsection (6) of this section.

(9) *Composting facilities - Construction records.* The owner or operator of a composting facility shall provide copies of the construction record drawings for engineered facilities at the site and a report documenting facility construction, including the results of observations and testing carried out as part of the construction quality assurance plan, to the jurisdictional health department and the department. Facilities shall not commence operation until the jurisdictional health department has determined that the construction was completed in accordance with the approved engineering report/plans and specifications and has approved the construction documentation in writing.

(10) *Composting facilities - Designation of composted materials.* Composted materials meeting the limits for metals in Table A and the parameters of Table B of this section, and having a stability rating of very stable, stable, or moderately unstable as determined by the analysis required in subsection (4)(a)(viii)(D) of this section, shall no longer be considered a solid waste and shall no longer be subject to this chapter. Composted materials that do not meet these limits are still considered solid waste and are subject to management under chapter 70.95 RCW, Solid waste management -- Reduction and recycling.

[Statutory Authority: Chapter 70.95 RCW. 03-03-043 (Order 99-24), § 173-350-220, filed 1/10/03, effective 2/10/03.]





## ANNUAL REPORT - COMPOSTING FACILITY

FACILITY NAME: <i>Valley View Dairy</i>	REPORT FOR CALENDAR YEAR: <i>2007</i>	PERMIT NUMBER (if applicable):
FACILITY LOCATION (STREET ADDRESS): <i>1594 Center Rd</i>	COUNTY: <i>Jefferson</i>	
FACILITY CONTACT (name): <i>Roger Short</i>	FACILITY PHONE: <i>360 732 4601</i>	
FACILITY CONTACT MAILING ADDRESS (if different): <i>1720 Ch. Center Chimacum 98325</i>	FACILITY CONTACT PHONE (if different):	
OPERATOR (Company/Business):	OPERATOR CONTACT (Name): <i>Roger</i>	
<p>Did you operate in <u>07</u>?</p> <p><input checked="" type="checkbox"/> Yes <b>If yes</b>, proceed to next section and complete the form.</p> <p><input type="checkbox"/> No <b>If no</b>, answer the following questions, sign, date and return. This completes your reporting obligations.</p> <p>When did you stop operations? _____</p> <p>Do you plan to restart? <input type="checkbox"/> No <input type="checkbox"/> Yes When? _____</p> <p>PLEASE SIGN AND DATE THIS FORM AND RETURN:</p> <p>Prepared by: _____ Date: _____</p>		
AMOUNT OF FEEDSTOCK COMPOSTED PER YEAR: (Please report by TONS):		
PLEASE CHECK IF RECEIVED	RECEIVED IN TONS	
<input checked="" type="checkbox"/> Yard Debris	<i>&lt; 1 Ton</i>	
<input type="checkbox"/> Landclearing Debris		
<input checked="" type="checkbox"/> Crop Residues (specify)	<i>600 Ton</i>	
<input checked="" type="checkbox"/> Sawdust/Shavings Used in Composting	<i>200 Ton</i>	
<input checked="" type="checkbox"/> Other Wood Waste Used in Composting	<i>50 Ton</i>	
<input checked="" type="checkbox"/> Manure	<i>400 Ton</i>	
<input type="checkbox"/> Biosolids		
<input type="checkbox"/> Food Waste (pre-consumer vegetative)		
<input type="checkbox"/> Food Waste (all other)		
<input type="checkbox"/> Food Processing Waste		
<input type="checkbox"/> Carcasses		
<input type="checkbox"/> Industrial Waste (specify)		
<input type="checkbox"/> Other (specify)		
<b>Total</b>	<i>1251 Ton</i>	

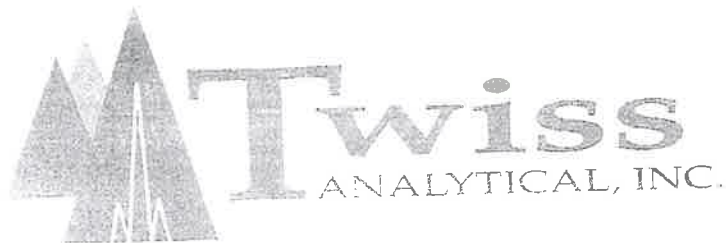
(Form continued on back page)



Rejects Disposed (report in tons):		Name of Disposal Facility :	
Are you open to the public? <input type="checkbox"/> Yes <input type="checkbox"/> No		Tip fees (Attach schedule if available):	
<input checked="" type="checkbox"/> Attach annual summary of laboratory analyses of composted material (check if attached)			
COMPOSTING SYSTEM USED (check all that apply):			
<input checked="" type="checkbox"/> Turned windrow <input checked="" type="checkbox"/> Aerated turned mass bed    Other (Specify) _____ <input checked="" type="checkbox"/> Aerated static pile <input type="checkbox"/> In-vessel (containerized) _____			
During the reporting year, were there any changes in your management practices that would impact your operations? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (specify) _____			
Are there any new solid waste activities planned at your site for this calendar year? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (specify) _____ <u>Get more feedstock</u>			
Planned start date: <u>Hopefully yard waste</u>			
COMPOST PRODUCED (Report in tons or cubic yards. Please check whether wet or dry tons, or cubic yards):			
Name of Product	Tons	Wet	Dry
Total Compost Produced			1800
FINAL DISPOSITION OF COMPOST	Tons	Wet	Dry
Sold in same calendar year			1800
Stockpiled for future sale			
Distributed offsite			
Used onsite			
Name of disposal facility:			
Other:			
DID YOU RECEIVE FEEDSTOCK FROM:	SPECIFY WHERE FROM	TYPE OF FEEDSTOCK	AMOUNT Specify <input type="checkbox"/> Tons <input type="checkbox"/> Cubic Yards
Out of County? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Out of State? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Out of Country? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
PREPARED BY:	DATE:	PHONE:	
<u>Roger Short</u>	<u>4-24-08</u>	<u>732 4601</u>	

To receive this document in alternate format, contact Ecology's Solid Waste & Financial Assistance Program  
At 360-407-6900 (Voice), 711, or 1-800-833-6388 (TTY).





ENVIRO  
★★★★

March 28, 2008

Magical Soil  
1720 Center Road  
Chimacum, WA 98325

**Project: Soil/Compost**  
**Sample Date: 3/12/08**

**Work Order #: 84788**  
**Sample Received: 3/12/08**

### Report on Analysis

**Sample ID: Compost**  
**Lab No: 84788-01**

Parameter	Method	Result	Units	Date Analyzed
Arsenic	EPA 3050A/6010B	<(5.0)	mg/kg	3/25/08
Cadmium	EPA 3050A/6010B	<(1.2)	mg/kg	3/25/08
Copper	EPA 3050A/6010B	47.7	mg/kg	3/25/08
Lead	EPA 3050A/6010B	3.23	mg/kg	3/25/08
Mercury	EPA 7471	<(0.04)	mg/kg	3/25/08
Molybdenum	EPA 3050A/6010B	5.23	mg/kg	3/25/08
Nickel	EPA 3050A/6010B	23.0	mg/kg	3/25/08
Selenium	EPA 3050A/6010B	2.57	mg/kg	3/25/08
Zinc	EPA 3050A/6010B	129	mg/kg	3/25/08
Fecal Coliform	SM 9221 E	>179	MPN/gr dry wt	3/12/08
Manufactured Inerts	Visual	<1	%	3/18/08
pH	1:5 Soil/Water	7.31	pH units	3/17/08
Sharps	Visual	none	-	3/18/08
Salmonella	SM9260 B	Neg. *	per 30g	3/15/08
Calcium	1:5 Soil:Water	417	mg/kg	3/25/08
Magnesium	1:5 Soil:Water	300	mg/kg	3/25/08
Potassium	1:5 Soil:Water	4170	mg/kg	3/25/08
Sodium	1:5 Soil:Water	1380	mg/kg	3/18/08
Total Kjeldahl Nitrogen	SM 4500 N org	2.22	%	3/15/08
Nitrate-Nitrogen	1:5 Soil:Water	90.6	mg/kg	3/18/08
Estimated Organic Carbon	LOI at 550°C	32.8	%	3/19/08
C:N Ratio	Calculation	15 : 1		3/19/08

\* Analyzed by Edge Analytical



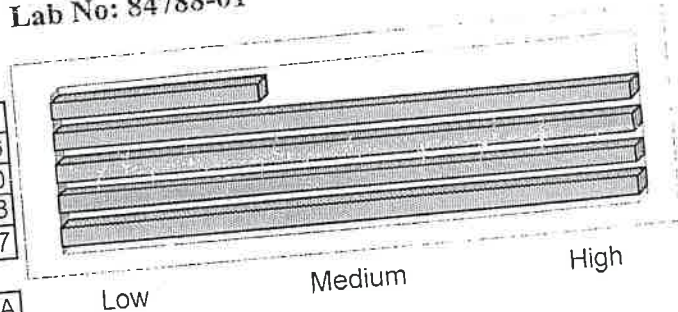
Project: Soil/Compost  
Sample Date: 3/12/08

Work Order #: 84788  
Sample Received: 3/12/08

Sample ID: Compost Nutrients  
Lab No: 84788-01

pH\*  
Phosphorus \* (ppm)  
Potassium \* (ppm)  
Calcium \* (meq/100 g)  
Magnesium \* (meq/100 g)

7.31
98.6
4,170
12.08
2.47



SMP Buffer Index\*\*  
Organic Matter % at 550°C  
EC (Soluble Salts)\* (dS/m)

NA
56.5
1.76

\*\* SMP Buffer Index is used to calculate lime requirement  
\* Prepared by 1:5 Soil:Water Slurry; results reported on dry wt basis at 70 °C

### Soil Fertility Levels

The compost sample submitted from your site was found to have the following nutrient levels:

pH	Neutral	6.6-7.3
Phosphorus (P)	High	40-100 ppm
Potassium (K)	Excessive	>800 ppm
Calcium	High	>10 meq/100g
Magnesium	High	>1.5 meq/100g
Organic Matter	Very High	> 4 %
EC (soluble Salts)	Acceptable	<6.0 dS/m
Nitrate-Nitrogen	Excessive	>30 ppm

RECEIVED

APR 29 2008  
Jefferson County  
Environmental Health





**Notification of Exemption from a  
Solid Waste Permit for a Composting Operation  
Under WAC 173-350-220(1)(b)**

Identification Number  
(For official use only)

**PART I. General Information**

Name of facility:

*Valley View Dairy*

Date Notification Submitted:

*# 6-24-07*

Please check appropriate box and complete dates:

- ☒ Currently operating – date started operations \_\_\_\_\_  
☐ Plan to start operations on \_\_\_\_\_  
☐ Out of business/closed (date \_\_\_\_\_)  
☐ Operations currently suspended, plan to restart \_\_\_\_\_

County where composting operation is located

*Jefferson*

Notification is for the following type of operation (see definitions next page):

- ☐ Composting of Type 1 or Type 2 feedstocks when more than 40 cubic yards and less than 250 cubic yards of material on-site at any one time.
- ☒ Agricultural composting, when any of the finished compost is distributed off-site, more than 40 cubic yards but less than 1,000 cubic yards of agricultural waste is on-site at any time, and agriculture composting is managed according to a farm management plan written in conjunction with a conservation district, qualified engineer, or other agricultural professional able to certify that the plan meets applicable conservation practice standards in the Washington Field Office Technical Guide produced by the Natural Resource Conservation Service.
- ☐ Vermicomposting when used to process Type 1 or Type 2 feedstocks generated off-site, limited to 1,000 cubic yards of material on-site at any one time.
- ☐ Registered dairy distributing compost off-site

Contact Information for (check one)

- ☒ Facility owner  
☐ Facility operator

Company Name, Government Entity, etc.:

*Valley View Dairy*

Contact Name:

*Roger Short*

Position in organization: *owner*

Phone: *360 732 4601*  
*301 3521 cell*

Fax: *360-732 7285*

e-mail address: *r-short@earthlink.net*

Mailing address: *1720 Center*

Street:

City: *Chimacum*

State: *Wa*

Zip: *98325*

**RECEIVED**

**JUN 26 2007**

**Jefferson County  
Environmental Health**

(form continued on back)

*Ecology is an Equal Opportunity Employer.*

*Notification of Exemption*



## PART II. Facility Information

Facility Address (if different from above): Street: <u>1594 Center Road</u> City: <u>Chimacum</u> State: <u>Wa</u> Zip: <u>98325</u>		Facility phone:  Fax:  e-mail address:	
Location Description/Legal Description of site (if no street address): <u>1 1/2 mile S of Chimacum</u>		Facility Mailing Address (if different) Street: City: State:                                      Zip:	
List feedstocks (for example yard debris, manure, etc): <u>livestock manures</u> <u>spoiled livestock feed - hay silage</u> <u>Shavings, Sawdust</u>			
Estimated maximum amount of materials (in cubic yards) on-site at one time (includes feedstocks, active compost and final product): <u>&lt; 1000 yds</u>		Finished compost is distributed off-site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Prepared by: <u>Roger Short</u>		Date: <u>6-24-07</u>	Phone: <u>360 732 4601</u>

### Definitions per chapter 173-350 WAC, Solid Waste Handling Standards:

"**Agricultural wastes**" means wastes on farms resulting from the raising or growing of plants and animals including, but not limited to, crop residue, manure and animal bedding, and carcasses of dead animals weighing each or collectively in excess of fifteen pounds.

"**Agricultural composting**" means composting of agricultural waste as an integral component of a system designed to improve soil health and recycle agricultural wastes. Agricultural composting is conducted on lands used for farming.

"**Type 1 feedstocks**" means source-separated yard and garden wastes, wood wastes, agricultural crop residues, wax-coated cardboard, preconsumer vegetative food wastes, other similar source-separated materials that the jurisdictional health department determines to have a comparable low level of risk in hazardous substances, human pathogens, and physical contaminants.

"**Type 2 feedstocks**" means manure and bedding from herbivorous animals that the jurisdictional health department determines to have a comparable low level of risk in hazardous substances and physical contaminants when compared to a type 1 feedstock.

"**Vermicomposting**" means the controlled and managed process by which live worms convert organic residues into dark, fertile, granular excrement.



4/4/08

phoned Mr. Short  
about annual report  
due 4/1/08

4/14/08 call about  
annual report  
left message on cell phone

4/16/08 call to cell phone  
was waiting for heavy metal  
~~recept~~ results to send in w/  
report - first of next week





Map provided by Jefferson County Central Services GIS



4-26-07  
ORCAA

John :

- in from off site  
selling to public → not agriculture  
⇒ needs permit
- permit through ORCA

John @ orcaa.org  
Documentation

- email
  - his name + location  
mailing address
  - describe issue - amount material onsite
- odor regs

---

John Merchant said city no longer  
allows Mr. Short to take yard debris  
feedstocks





# JEFFERSON COUNTY PUBLIC HEALTH

615 Sheridan Street • Port Townsend • Washington • 98368

[www.jeffersoncountypublichealth.org](http://www.jeffersoncountypublichealth.org)

January 16, 2007

*mailed 1-16-07*

Roger Short  
Valley View Dairy Compost  
1720 Center Rd.  
Chimacum, WA 98325

Mr. Short,

The annual report for the compost facility that you own and operate has a new form. I am enclosing two forms. Only one needs to be filled out, signed and returned to me at:

Anita Hicklin  
Jefferson County Public Health  
615 Sheridan St.  
Port Townsend, WA 98368

If you would prefer I can send you an electronic copy of this new annual report form. Just request it by email: [ahicklin@co.jefferson.wa.us](mailto:ahicklin@co.jefferson.wa.us) or call me at the number listed below.

Do not hesitate to call me with any questions or concerns. My direct telephone number is 360-385-9405.

Respectfully,

Anita A. Hicklin  
Environmental Health Specialist  
Jefferson County Public Health

Enclosure

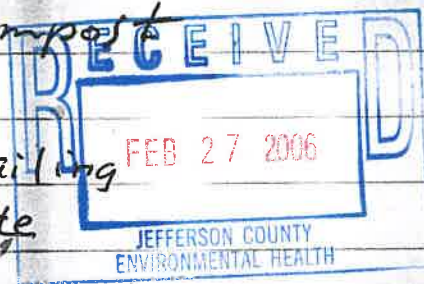
COMMUNITY HEALTH  
DEVELOPMENTAL DISABILITIES  
MAIN: 360-385-9400  
FAX: 360-385-9401

**PUBLIC HEALTH**  
ALWAYS WORKING FOR A SAFER AND  
HEALTHIER COMMUNITY

ENVIRONMENTAL HEALTH  
NATURAL RESOURCES  
MAIN: 360-385-9444  
FAX: 360-385-9401



A. Valley View Dairy - Compost  
Roger Short  
1720 Center Road mailing  
1594 Center Road site  
Chimacum, Wa 98325



B. Report For 2005 2-23-06

C. Feedstock Received  
1. PT ground yard waste  $\pm$  2700 T  
Roger's estimate 2000 T  
2. Farm generated  
rained on hay 100 T  
chopped grass 600  
Feed lot manure 400  
liquid manure 300

Compost Produced

Sold 2005 ~~2698~~

$$2698 \text{ yds} \times .65 = 1754 \text{ T}$$

Inventory 12-31-05

$$600 \text{ yds} \times .65 = 390 \text{ T}$$

2144 Ton produced  
2005

D. Compost Sold 2005

$$2698 \text{ yd} \times .65 = 1754 \text{ Ton}$$

E. Test Results - see attached pages

F. None requested



# Midwest Bio-Systems

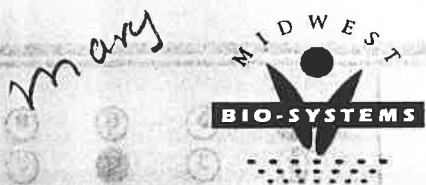
28933 35 E. St. Tampico, IL 61283

(815) 438-7200 Fax: (815) 438-7028

mbs@emypeople.net

[www.midwestbiosystems.com](http://www.midwestbiosystems.com)

Sample Desc: #1  
Lab # C-784  
Date Received: 1/05/2006  
Date Completed: 1/18/2006  
Pkg 2, MP+Pathogen



Received From:  
**Roger Short**  
1720 Center Rd.

Chimacum, WA 98325

## Compost Test Results

Desirable Level

Your Results

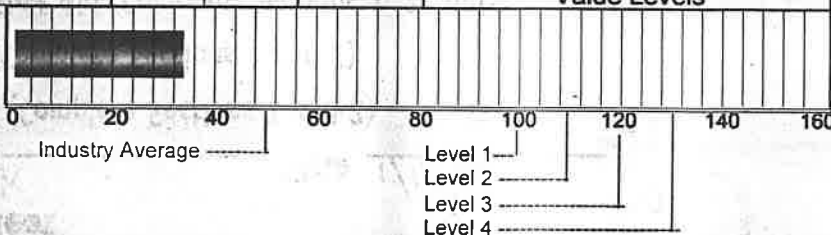
Your Points

Total Potential Points

Value Chart

			Desirable Level	Your Results	Your Points	Total Potential Points		Value Chart
<b>Nitrogen Cycle</b>								
% N (Dry Basis)	0.6 - 1.2	0.5%			9	45		
NH <sub>3</sub> - Ammonia	< 50	86 ppm					Nitrogens	
NO <sub>2</sub> - Nitrite Nitrogen	0	0 ppm						
NO <sub>3</sub> - Nitrate Nitrogen	600 - 900	54 ppm						
<b>pH</b>	7.3 - 8.1	6.7su			4	7	pH	
<b>Salts</b>					0	14	Salts	
Sodium	125 - 200	46 ppm						
Conductivity	2000 - 3500	525 Ergs						
<b>Sulfur</b>					7	14	Sulfurs	
Sulfate	100 - 500	19 ppm						
Sulfide	0	0 level						
<b>Germination</b>					6	14	Germination	
7 Day Germination %	> 80	72.0 %						
14 Day Vigor %	> 70	36.0 %						
<b>Humic Ions</b>	50 - 80	100.0			4	7	Humic Ions	
<b>Redox Potential</b>								
Oxygen Potential	26.5 - 29	25.5						
<b>Moisture %</b>	40 - 50	44.7 %						
Organic Carbon		41.4 %						
<b>C:N Ratio</b>	15 - 20	82.7:1			0	7	C:N Ratio	
<b>Pathogens</b>					0	7	Pathogens	
E. Coli	neg (=< 3 MPN/g)	neg						
Salmonella	neg (=< 0.5MPN/g)	neg						
<b>Microbe Profile &amp; Diversity Analysis</b>					3	45		
Aerobic Count	100M - 10B	560 M					Microbes	
Anaerobic Bacteria	1:10 Aerobic	36,000 K						
Yeasts and Molds	1K - 100K	530 K						
Actinomycetes	1M - 100M	53 M						
Pseudomonads	1K - 1M	18,000 K						
N-Fixing Bacteria	1K - 1M	310 K						
Aerobic:Anaerobic	10:1 to 39:1	16 :1						
Diversity	>6.5	7.2						
<b>Maturity Index</b>	>50	*NT						
<b>Stability</b>	<20	*NT					Overall	
* NT indicates "Not Tested"								
<b>Total Score:</b>					33	108		

Notes:



Every effort is taken to provide an accurate analysis of your sample. For reasonable cause a sample can be retested, but due to factors beyond our control in sampling procedures, our liability is limited to the price of the tests.

Reviewed/Approved by: Mary Blosser



# Midwest Bio-Systems

28933 35 E. St. Tampico, IL 61283

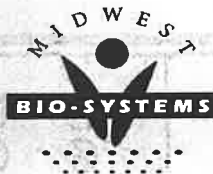
(815) 438-7200 Fax: (815) 438-7028

mbs@emypeople.net

[www.midwestbiosystems.com](http://www.midwestbiosystems.com)

Sample Desc: #1  
Lab # C-784  
Date Received: 1/05/2006  
Date Completed: 1/18/2006

Page 2 of 2



Received From:  
**Roger Short**  
1720 Center Rd.

Chimacum, WA 98325

## Trace Elements (ppm)

B	Cu	32.0 ppm
Fe	Zn	84.0 ppm

## Structure

Density

## Building Blocks (% Dry Basis)

Ca	K
Mg	P

## Chlorides

Cl

## Heavy Metals (ppm)

Al	Hg	0 ppm	Ni	0.0ppm
As	Mn		Pb	0ppm
Cd	Mo		Se	0.0ppm
Cr				

## Weed Seed Germination

Weeds %

## Pathogen Inhibition Tests

% Strong	% Partial	% None
% Strong	% Partial	% None

## Other Tests

Dewar Self-Heating	Enterococcus	Helminth Ova
Humic Acid	Fecal Coliform	Phytotoxicity
Staph. Aureus	Aflatoxin	Listeria
Cation Exch. Cap.	Vol. Org. Acids	Vol. Solids

Comes:

RECEIVED  
FEBRUARY 10 2006

Reviewed/Approved by: Mary Blom



## WALLACE LABS

365 Coral Circle  
El Segundo, CA 90245  
(310) 615-0116

## MEDIA REPORT

Location Valley View Dairy  
Requester Roger Short  
graphic interpretation: \* very low, \*\* low, \*\*\* moderate

April 21 2004

\*\*\*\* high, \*\*\*\*\* very high

## nonium bicarbonate/DTPA

extractable - mg/kg soil

Interpretation of data

low medium high

0-12 16-28 32-44

0-240 240-500 500-700

0-12 12-20 over 20

0-2 3-4 over 5

0-4 4-6 over 6

0-0.5 0.6-1 over 1

0-1 1-2 over 2

ratio of calcium to magnesium

needs to be more than 2 or 3

should be less than potassium

The following trace

elements may be toxic

The degree of toxicity

depends upon the pH of

the soil, soil texture,

organic matter, and the

concentrations of the

individual elements as

well as to their

interactions.

pH optimum depends

on soil organic

matter and soil content-

under 5 may be too acidic

6 to 7 may be good

over 8.5 is too alkaline

The ECe is a measure of

the media salinity:

good at 200 ppm

good at 25 ppm

good at 25 ppm

good at 150 ppm

problems over 150 ppm

good at 100 ppm

good at 40 ppm

toxic over 800

toxic over 1 for many plants

increasing problems start at 3

est. gypsum requirement-lbs./cubic yard

relative infiltrate rate  
lime (calcium carbonate)  
organic matter  
moisture content of media  
half saturation percentage

Sample ID Number

elements

phosphorus

potassium

iron

manganese

zinc

copper

boron

calcium

magnesium

sodium

sulfur

molybdenum

aluminum

arsenic

barium

cadmium

chromium

cobalt

lead

lithium

mercury

nickel

selenium

silver

strontium

tin

vanadium

Saturation Extract

pH value

ECe (milli-

mho/cm)

calcium

magnesium

sodium

ammonium as N

potassium

cation sum

chloride

nitrate as N

phosphorus as P

sulfate as S

anion sum

boron as B

SAR

2

fair/good

no

good

164.4%

165.3%

04-112-11

Peat Soil

graphic

20.86 \*\*\*\*

120.28 \*\*

472.32 \*\*\*\*\*

46.60 \*\*\*\*\*

4.80 \*\*\*

3.19 \*\*\*\*

0.26 \*

552.91 \*\*

226.21 \*\*\*

92.45 \*

435.50 \*\*

0.08 \*\*\*

4.35 \*\*\*

1.12 \*

0.85 \*

0.03 \*

0.30 \*

0.62 \*

0.83 \*

0.39 \*

n d \*

3.52 \*

n d \*

n d \*

2.67 \*

0.10 \*

4.64 \*\*

millieq/l

108.7

43.3

24.3

20.4

24.7

18

4.6

0.0

183.4

0.20 \*

0.5 \*

2

fair/good

no

good

164.4%

165.3%

04-112-12

Yard/Waste Compost

graphic

91.10 \*\*\*\*\*

2,179.59 \*\*\*\*\*

82.97 \*\*\*\*\*

6.98 \*\*\*\*\*

31.16 \*\*\*\*

2.18 \*\*\*\*

0.33 \*

758.22 \*\*\*

384.73 \*\*\*

189.37 \*

61.53 \*

n d \*

4.73 \*\*\*

0.04 \*

0.65 \*

0.13 \*

0.05 \*

0.09 \*

6.47 \*\*

0.55 \*

n d \*

1.01 \*

n d \*

n d \*

2.63 \*

n d \*

0.53 \*

6.21 \*\*\*

2.09 \*\*\*\*\*

millieq/l

53.1

28.7

55.7

5.8

406.5

163

86.8

4.8

33.5

0.26 \*\*

1.5 \*\*

5

fair

no

good

38.0%

74.0%

04-112-13

Aged Dairy Manure

graphic

315.26 \*\*\*\*\*

2,920.18 \*\*\*\*\*

114.02 \*\*\*\*\*

51.42 \*\*\*\*\*

53.09 \*\*\*\*\*

9.49 \*\*\*\*\*

0.62 \*\*

1,244.20 \*\*\*

768.54 \*\*\*\*\*

454.44 \*\*\*

147.86 \*\*

0.44 \*\*\*\*\*

n d \*

0.16 \*

0.37 \*

0.08 \*

0.20 \*

0.27 \*

1.40 \*

0.90 \*

n d \*

0.69 \*

n d \*

n d \*

3.15 \*

0.08 \*

0.93 \*

7.15 \*\*\*

3.03 \*\*\*\*\*

millieq/l

48.3

56.4

120.4

5.4

627.5

294

112.0

28.7

59.6

0.28 \*\*

2.8 \*\*

16

slow

no

good

84.3%

123.2%

Elements

elements are expressed as mg/kg dry soil or mg/l for saturation extract.  
pH and ECe are measured in a saturation paste/extract. nd means not detected.

↑ pH





February 10, 2004

Jefferson County Conservation District  
205 West Patison  
Port Hadlock, 98339

Attn: Mr. Al Latham

Re: Addendum to Conservation Plan

Dear Al:

This letter serves as an addendum to the Conservation Plan for Roger Short's Valley View Dairy, to allow for dairy manure and municipal green waste composting in accordance with state regulations, Chapter 173-350 WAC. The order in which information is presented follows the State's Composting Specification Worksheet (WA -317).

Operator: Mr. Roger Short

Planner: Mr. Al Latham

JAA: Jefferson Co. Health

Farm: Valley View Dairy / Compost

The purpose of this composting operation is to provide additional revenues to the farm and to:

1. Reduce the pollution potential of organic agricultural wastes to surface and ground water;
2. Improve soil fertility, tilth and water holding capacity;
3. Reduce the bulk of organic material to be spread;
4. Reduce odor, fly and other vector problems;
5. Improve handling properties;
6. Destroy weed seeds and pathogens.

The composting method that will be used is the Aerated Static Pile (ASP) Method, with which airflow is induced through the compost mix to maintain aerobic conditions throughout the pile and thereby control temperatures between 131° and 160 °F to destroy parasites, pathogens, weed seeds and insect larvae in the raw materials. Maintaining aerobic conditions also serves to mitigate offensive odors and to hasten the composting process. A map of the site showing the area to be used for composting is presented as Attachment A. A schematic drawing illustrating the ASP Composting method is presented as Attachment B.

Technical support is being provided by O2Compost (A division of Price-Moon Enterprises, Inc.), throughout the start-up phase of operations. Through this training, Roger will develop suitable operator management capability. In October 2002, Roger also successfully completed an Compost Operator's Training Course conducted by the Washington Organic Recycling Council (WORC).

Equipment and labor are readily available to ensure close management of feedstock materials and finished products. The screened, finished compost will be sold on both a retail and wholesale basis. Customers have been identified in Jefferson and neighboring Counties.

127 Avenue A – Suite 2D  
Snohomish, WA 98290  
[www.o2compost.com](http://www.o2compost.com)

O2 Compost is a Division of Price-Moon Enterprises, Inc.

Toll Free: 800-611-3718

Phone: 360-568-8085  
Fax: 360-563-5790



Throughout much of the year, precipitation and climate will assist the composting process to replace moisture lost from the piles as steam. In addition, rainfall on the compost pile cover / biofilter (i.e., consisting of finished compost) will help to mitigate offensive odors. As demonstrated on numerous compost sites, the piles have a very high moisture holding capacity and therefore production of impact water (leachate) will be minimized. All surface water will be directed to a waste storage pond, located immediately south of the site.

All costs for operating the facility have been considered and the project is viable for the long term. The availability of existing barns, paved areas and processing equipment make this a favorable opportunity.

The finished compost will be utilized / sold as a soil amendment and conditioner. At some future date, it may also be used as a component in a manufactured topsoil product.

The compost mix will consist of dairy manure mixed with bedding, plus shredded yard debris (bulking agent) from the Port Townsend composting facility. The mix will be prepared to meet the following target values: C:N 25-30; Moisture ~60% – 65%; pH <7.5; bulk density 1,000 – 1,200 pounds per cubic yard. The aeration rate will be managed to yield pile temperatures that meet or exceed 131 °F (PFRP) conditions and below 165 °F .

The active phase of the composting process will last approximately 30-days. The piles will then be broken down, moisture conditioned as needed and then moved to a curing and storage area. Curing may be accomplished with or without aeration, depending on the need to optimize the composting process and mitigate potential impacts. At the end of the curing phase, the material will be screened to remove the coarse fraction and to enhance handle-ability and marketability of the finished product.

For further information, please contact O2Compost at 800/611-3718.

Best regards,

A handwritten signature in blue ink, appearing to read 'Peter Moon', with a long horizontal flourish extending to the right.

Peter Moon, P.E.  
Principal Engineer



## Attachment A: Air Photo of Valley View Dairy & Compost

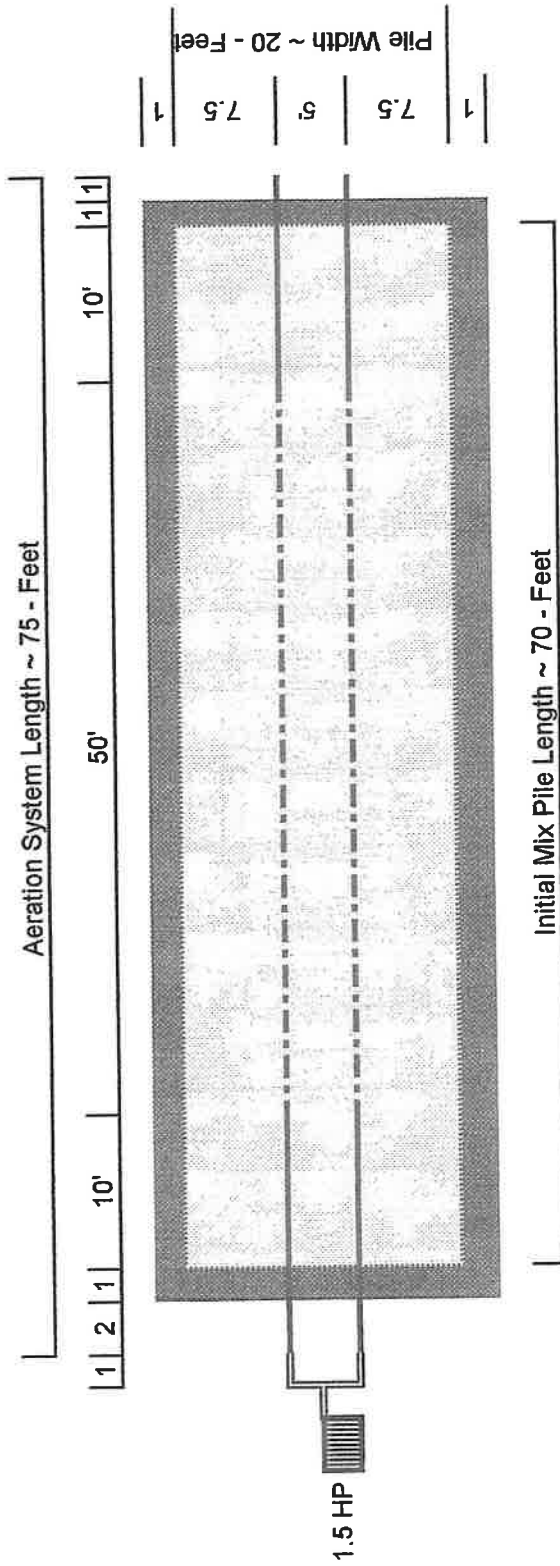




## Attachment B – Schematic Aerated Static Pile Design



# Attachment 2 - Schematic Aerated Static Pile Design



Key:

- 6-Inch Diameter, Solid PVC Pipe
- 4-Inch Diameter, Solid PVC Pipe
- 4-Inch Diameter, Perforated Pipe (Eg. PVC, HDPE, ADS)
- Aeration Base Over Perforated Pipe
- Fresh Compost Mix - Pile Height 7-Feet
- Finished Compost Cover (~1-foot thick)



## Composting Specification Worksheet

WA- 317

Operator <i>MR. ROGER SHORE</i>	Planner <i>MR. MC CARTHY</i>	JAA <i>JEFFERSON CO. HERMAN</i>
Farm <i>VALLEY VIEW DAIRY / COMPOST YARD BLDG. PRICE - MOON LANE</i>		
<input checked="" type="checkbox"/> To reduce the pollution potential of organic agricultural wastes to surface and ground water.	<input checked="" type="checkbox"/> To reduce odor, fly and other vector problems	
<input checked="" type="checkbox"/> To improve soil fertility, tilth and water holding capacity	<input checked="" type="checkbox"/> To improve handling properties	
<input checked="" type="checkbox"/> To reduce bulk of organic material to be spread	<input checked="" type="checkbox"/> To destroy weed seed and pathogens	

Compost Methods <i>REFER TO 2/10 LETTER</i>		
Windrow	Static Pile = <i>REDUCED (ASP)</i>	In-Vessel

\*attach design, drawing and O&amp;M for method selected

Compost Management Capability - <i>REFER TO 2/10 LETTER</i>	
<input checked="" type="checkbox"/> Operator Management Capability	<input checked="" type="checkbox"/> Equipment and Labor Availability
<input checked="" type="checkbox"/> Compost Utilization	<input checked="" type="checkbox"/> Precipitation/Climate
<input checked="" type="checkbox"/> Site features	<input checked="" type="checkbox"/> Cost

Compost Siting and Area Requirements (✓all)		
<input checked="" type="checkbox"/> Prevailing winds and landscape elements ensure odors are minimized	<input checked="" type="checkbox"/> Buildings, landforms & vegetation protect visual resource	<input checked="" type="checkbox"/> Seasonal high water table or depth to cemented pan/bedrock > 6 feet
<input checked="" type="checkbox"/> Flooding frequency rare or none	<input checked="" type="checkbox"/> Surface runoff and contaminated water directed away from compost facility	<input checked="" type="checkbox"/> Compost facility accommodates area planned for composting plus space for curing & equipment.

Compost Utilization		
<input checked="" type="checkbox"/> Fertilizer, Soil Amendment & Conditioner	<input type="checkbox"/> Livestock Bedding	Other <i>WHOLESALE RETAIL PRODUCTS</i>

Compost Mix Design	
Bulking Agent <i>SHREDDED YW ~ 3:1 MANURE</i>	Carbon/Nitrogen Ratio <i>25:1 → 35:1</i>
Moisture Content of Compost Mix <i>60-65%</i>	pH(range) <i>6.5 - 7.5</i>
Amount of Amendment Added <i>~ 3:1</i>	Temperature (range) <i>131°F - 160°F</i>

\*Attach Compost Sequence &amp; Ingredients Design (recipe) 317

## Operation and Maintenance

- ✓ Manage the compost piles for temperature, odors, moisture, and oxygen, as specified. Make adjustments throughout the composting period to insure proper composting processes.
- ✓ Closely monitor temperatures above 165°F. Take action immediately to cool piles that have reached temperatures above 185°F.
- ✓ Composting is a biological process. It requires a combination of art and science for success. Hence, the operation may need to undergo some trial and error in the start-up of the facility.

Additional site-specific requirements:

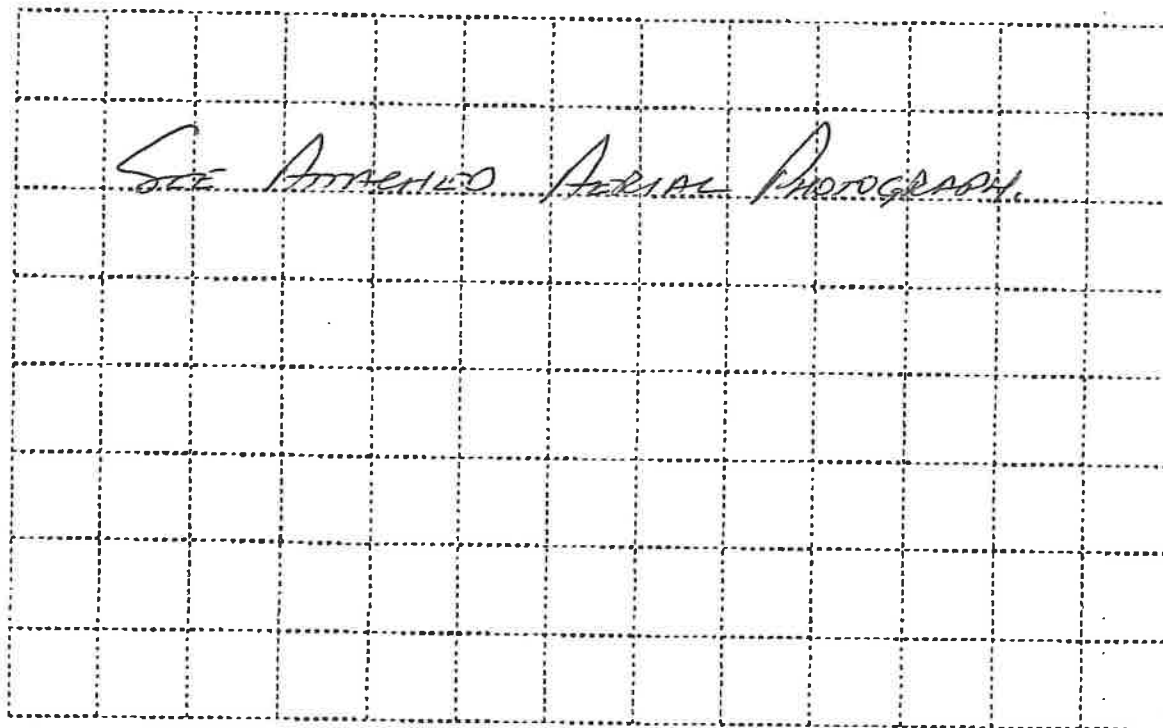


## Composting Job Sketch

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If needed, an aerial view or a side view of the practice can be shown below. Other relevant information, complementary practices and measures, and additional specifications may be included.

Scale 1"= \_\_\_\_\_ ft. (NA indicates sketch not to scale; grid size=1/2" by 1/2")


**Additional Specifications and Notes:**

The United States Department of Agriculture (USDA) prohibits discrimination in its programs on the basis of race, color, national origin, sex, religion, age, disability, political beliefs and marital or familial status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication program information (Braille, large print, audiotape, etc.) should contact the USDA Office of Communications (202) 720-2791.

To file a complaint of discrimination write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call (202) 720-5984 (voice or TDD). USDA is an equal opportunity provider and employer.





United States Department of Agriculture Natural Resources Conservation Service Washington

NRCS-WA

## Practice Documentation Checklist

## Composting Facility

Owner Robert Short

Operator I.D. \_\_\_\_\_

Date

February 2004Operator Robert Short

Tract \_\_\_\_\_

Field (s):

N/A

Contract Number \_\_\_\_\_

Contract Item Number (s): \_\_\_\_\_

Field Office \_\_\_\_\_

## MANDATORY DOCUMENTATION WITHIN THE PLAN



Practice objective,

Identification of the extent of practices applied,

Location Identification, this can be an aerial photo, soils map, reference to the conservation plan map, or a sketch in the plan drawings (legal description is required),

Environmental Evaluation NRCS-WA-CPA-052,

Documentation of necessary permits – federal, state, tribal, local - as applicable, and

Site-specific practice specification

The following additional data are needed for the specific practices listed.

Check Use the Check Box to indicate the Requirements are met.

Box

Requirements

COMMENTS

Compost Sequence and Ingredient Design Sheet (317)

Additional practices (supporting practices) may be necessary to implement, maintain, or operate this practice. Check the requirements of this practice standard and provide the necessary supporting practices.

## Certification:

For non-NRCS employees: If state license is required to complete this practice then the certifying individual must affix their signature and stamp (i.e.; PE Stamp) to this certification.

I have completed a review of all of the practice documentation and certify the applied practice meets NRCS specifications.

Certified by: /s/ \_\_\_\_\_

Date: \_\_\_\_\_

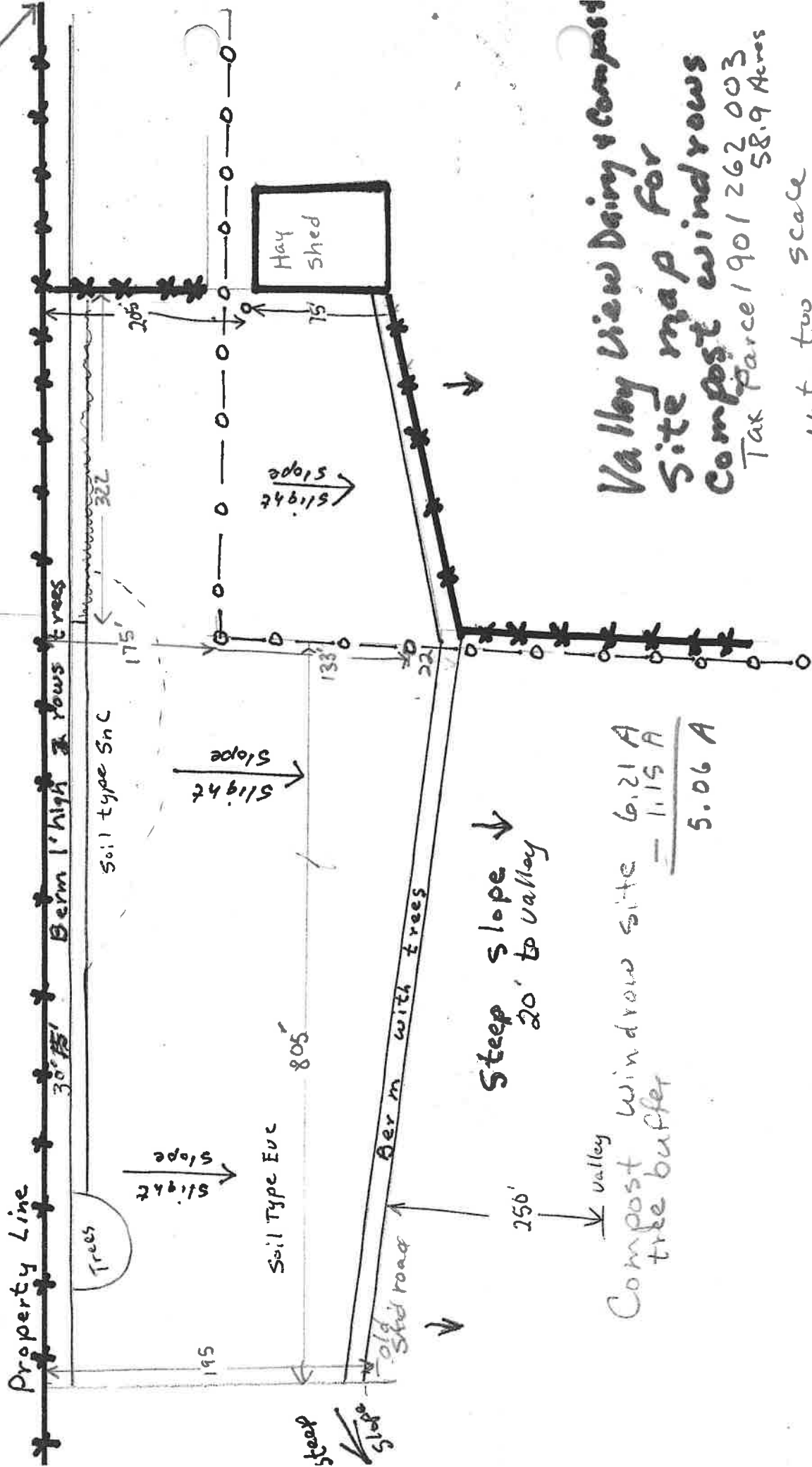
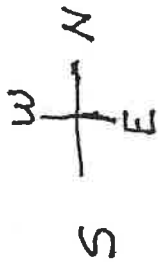
Job Title: \_\_\_\_\_

May 2003



VALLEY VIEW





Valley View Dairy & Compost  
 Site map for  
 Compost windrows  
 Tax Parcel 1901262003  
 58.9 Acres  
 Not too scale

Compost windrow site 6.21 A  
 = 1.15 A  
 5.06 A



(c) Composting operations identified in subsection (b) shall be managed according to the following terms and conditions to maintain their exempt status:

- (i) Comply with the performance standards of WAC 173-350-040;
- (ii) Protect surface water and ground water through the use of best management practices and all known available and reasonable methods of prevention, control, and treatment as appropriate. This includes, but is not limited to, setbacks from wells, surface waters, property lines, roads, public access areas, and site-specific setbacks when appropriate;
- (iii) Control nuisance odors to prevent migration beyond property boundaries;
- (iv) Manage the operation to prevent attraction of flies, rodents, and other vectors;
- (v) Conduct an annual analysis, prepared in accordance with the requirements of subsection (4)(a)(viii) of this section, for composted material that is distributed off-site from categorically exempt facilities described in subsection (1)(b)(vii) through (ix) of this section.
- (vi) Prepare and submit an annual report to the department and the jurisdictional health department by April 1st for categorically exempt facilities described in subsection (1)(b)(vii) through (ix) of this section. Annual reports are not required for facilities operating under the permit exemption provided in (b)(vii) of this subsection if the composted material is not distributed off-site. The annual report shall be on forms supplied by the department and shall detail facility activities during the previous calendar year and shall include the following information:
  - (A) Name and address of the facility;
  - (B) Calendar year covered by the report;
  - (C) Annual quantity and type of feedstocks received and compost produced, in tons;
  - (D) Annual quantity of composted material sold or distributed, in tons;
  - (E) Results of the annual analysis of composted material required by subsection (1)(c)(v) of this section; and
  - (F) Any additional information required by written notification of the department.
- (vii) Allow the department or the jurisdictional health department to inspect the site at reasonable times;
- (viii) For activities under (b)(viii) through (x) of this subsection, and registered dairies where compost is distributed off-site, the department and jurisdictional health department shall be notified in writing thirty days prior to beginning any composting activity. Notification shall include name of owner or operator, location of composting operation and identification of feedstocks.

(2) *Composting facilities - Location standards.* There are no specific location standards for composting facilities subject to this chapter; however, composting facilities must meet the requirements provided under WAC 173-350-040(5).

(3) *Composting facilities - Design standards.* The owner or operator of a composting facility shall prepare engineering reports/plans and specifications, including a construction quality assurance plan, to address the design standards of this subsection. Scale drawings of the facility including the location and size of feedstock and finished product storage areas, compost processing areas, fixed equipment, buildings, leachate collection devices, access roads and other appurtenant facilities; and design specifications for compost pads, storm water run-on prevention system, and leachate collection and conveyance systems shall be provided. All composting facilities shall be designed and constructed to meet the following requirements:

(a) When necessary to provide public access, all-weather roads shall be provided from the public highway or roads to and within the compost facility and shall be designed and maintained to prevent traffic congestion, traffic hazards, dust and noise pollution;

(b) Composting facilities shall separate storm water from leachate by designing storm water run-on prevention systems, which may include covered areas (roofs), diversion swales, ditches or other designs to divert storm water from areas of feedstock preparation, active composting and curing;

(c) Composting facilities shall collect any leachate generated from areas of feedstock preparation, active composting and curing. The leachate shall be conveyed to a leachate holding pond, tank or other containment structure. The leachate holding structure shall be of adequate capacity to collect the amount of leachate generated, and the volume



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**WAC 173-350-220**

Washington State Register filings since 2003

**Composting facilities.****(1) Composting facilities - Applicability.**

(a) This section is applicable to all facilities or sites that treat solid waste by composting. This section is not applicable to:

(i) Composting used as a treatment for dangerous wastes regulated under chapter 173-303 WAC, Dangerous waste regulation;

(ii) Composting used as a treatment for petroleum contaminated soils regulated under WAC 173-350-320;

(iii) Treatment of liquid sewage sludge or biosolids in digesters at wastewater treatment facilities regulated under chapter 90.48 RCW, Water pollution control and chapter 70.95J RCW, Municipal sewage sludge -- Biosolids;

(iv) Treatment of other liquid solid wastes in digesters regulated under WAC 173-350-330; and

(v) Composting biosolids when permitted under chapter 173-308 WAC, Biosolids management.

(b) In accordance with RCW 70.95.305, the operation of the following activities in this subsection are subject solely to the requirements of (c) of this subsection and are exempt from solid waste handling permitting. An owner or operator that does not comply with the terms and conditions of (c) of this subsection is required to obtain a permit from the jurisdictional health department and shall comply with all other applicable requirements of this chapter. In addition, violations of the terms and conditions of (c) of this subsection may be subject to the penalty provisions of RCW 70.95.315.

(i) Production of substrate used solely on-site to grow mushrooms;

(ii) Vermicomposting, when used to process Type 1, Type 2, or Type 3 feedstocks generated on-site;

(iii) Composting of Type 1 or Type 2 feedstocks with a volume limit of forty cubic yards of material on-site at any time. Material on-site includes feedstocks, partially composted feedstocks, and finished compost;

(iv) Composting of food waste generated on-site and composted in containers designed to prohibit vector attraction and prevent nuisance odor generation. Total volume of the containers shall be limited to ten cubic yards or less;

(v) Agricultural composting when all the agricultural wastes are generated on-site and all finished compost is used on-site;

(vi) Agricultural composting when any agricultural wastes are generated off-site, and all finished compost is used on-site, and total volume of material is limited to one thousand cubic yards on-site at any time. Material on-site includes feedstocks, partially composted feedstocks, and finished compost; and

(vii) Agricultural composting at registered dairies when the composting is a component of a fully certified dairy nutrient management plan as required by chapter 90.64 RCW, Dairy Nutrient Management Act.

(viii) Composting of Type 1 or Type 2 feedstocks when more than forty cubic yards and less than two hundred fifty cubic yards of material is on-site at any one time.

(ix) Agricultural composting, when any of the finished compost is distributed off-site and when it meets the following requirements:

(A) More than forty cubic yards, but less than one thousand cubic yards of agricultural waste is on-site at any time; and

(B) Agricultural composting is managed according to a farm management plan written in conjunction with a conservation district, a qualified engineer, or other agricultural professional able to certify that the plan meets applicable conservation practice standards in the *Washington Field Office Technical Guide* produced by the Natural Resources Conservation Service.

(x) Vermicomposting when used to process Type 1 or Type 2 feedstocks generated off-site. Total volume of materials is limited to one thousand cubic yards on-site at any one time.



calculations shall be based on the facility design, monthly water balance, and precipitation data. Leachate holding ponds and tanks shall be designed according to the following:

(i) For leachate ponds at registered dairies, the design and installation shall meet Natural Resources Conservation Service standards for a waste storage facility in the *Washington Field Office Technical Guide*.

(ii) For leachate ponds at composting facilities other than registered dairies, the pond shall be designed to meet the following requirements:

(A) Have a liner consisting of a minimum 30-mil thickness geomembrane overlying a structurally stable foundation to support the liners and the contents of the impoundment. High density polyethylene geomembranes used as primary liners or leak detection liners shall be at least 60-mil thick to allow for proper welding. The jurisdictional health department may approve the use of alternative designs if the owner or operator can demonstrate during the permitting process that the proposed design will prevent migration of solid waste constituents or leachate into the ground or surface waters at least as effectively as the liners described in this subsection;

(B) Have dikes and slopes designed to maintain their structural integrity under conditions of a leaking liner and capable of withstanding erosion from wave action, overfilling, or precipitation;

(C) Have freeboard equal to or greater than eighteen inches to avoid overtopping from wave action, overfilling, or precipitation. The jurisdictional health department may reduce the freeboard requirement provided that other engineering controls are in place which prevent overtopping. These engineering controls shall be specified during the permitting process;

(D) Leachate ponds that have the potential to impound more than ten-acre feet (three million two hundred fifty-nine thousand gallons) of liquid measured from the top of the dike and which would be released by a failure of the containment dike shall be reviewed and approved by the dam safety section of the department.

(iii) Tanks used to store leachate shall meet design standards in WAC 173-350-330 (3)(b).

(d) Composting facilities shall be designed with process parameters and management procedures that promote an aerobic composting process. This requirement is not intended to mandate forced aeration or any other specific composting technology. This requirement is meant to ensure that compost facility designers take into account porosity, nutrient balance, pile oxygen, pile moisture, pile temperature, and retention time of composting when designing a facility.

(e) Incoming feedstocks, active composting, and curing materials shall be placed on compost pads that meet the following requirements:

(i) All compost pads shall be curbed or graded in a manner to prevent ponding, run-on and runoff, and direct all leachate to collection devices. Design calculations shall be based upon the volume of water resulting from a twenty-five-year storm event as defined in WAC 173-350-100;

(ii) All compost pads shall be constructed over soils that are competent to support the weight of the pad and the proposed composting materials;

(iii) The entire surface area of the compost pad shall maintain its integrity under any machinery used for composting activities at the facility; and

(iv) The compost pad shall be constructed of materials such as concrete (with sealed joints), asphaltic concrete, or soil cement to prevent subsurface soil and ground water contamination;

(v) The jurisdictional health department may approve other materials for compost pad construction if the permit applicant is able to demonstrate that the compost pad will meet the requirements of this subsection.

(4) *Composting facilities - Operating standards.* The owner or operator of a composting facility shall:

(a) Operate the facility to:

(i) Control dust, nuisance odors, and other contaminants to prevent migration of air contaminants beyond property boundaries;

(ii) Prevent the attraction of vectors;

(iii) Ensure that only feedstocks identified in the approved plan of operation are accepted at the facility;



(iv) Ensure the facility operates under the supervision and control of a properly trained individual during all hours of operation, and access to the facility is restricted when the facility is closed;

(v) Ensure facility employees are trained in appropriate facility operations, maintenance procedures, and safety and emergency procedures according to individual job duties and according to an approved plan of operation;

(vi) Implement and document pathogen reduction activities when Type 2, 3 or 4 feedstocks are composted. Documentation shall include compost pile temperature and notation of turning as appropriate, based on the composting method used. Pathogen reduction activities shall at a minimum include the following:

(A) In vessel composting - the temperature of the active compost pile shall be maintained at fifty-five degrees Celsius (one hundred thirty-one degrees Fahrenheit) or higher for three days; or

(B) Aerated static pile - the temperature of the active compost pile shall be maintained at fifty-five degrees Celsius (one hundred thirty-one degrees Fahrenheit) or higher for three days; or

(C) Windrow composting - the temperature of the active compost pile shall be maintained at fifty-five degrees Celsius (one hundred thirty-one degrees Fahrenheit) or higher for fifteen days or longer. During the period when the compost is maintained at fifty-five degrees Celsius (one hundred thirty-one degrees Fahrenheit) or higher, there shall be a minimum of five turnings of the windrow; or

(D) An alternative method that can be demonstrated by the owner or operator to achieve an equivalent reduction of human pathogens;

(vii) Monitor the composting process according to the plan of operation submitted during the permitting process. Monitoring shall include inspection of incoming loads of feedstocks and pathogen reduction requirements of (a)(vi) of this subsection; and

(viii) Analyze composted material for:

(A) Metals in Table A at the minimum frequency listed in Table C. Compost facilities composting only Type 1 and Type 2 feedstocks are not required to test for molybdenum and selenium. Testing frequency is based on the feedstock type and the volume of feedstocks processed per year;

(B) Parameters in Table B at the minimum frequency listed in Table C. Testing frequency is based on the feedstock type and the volume of feedstocks processed per year;

(C) Nitrogen content at the minimum frequency listed in Table C; and

(D) Biological stability as outlined in United States Composting Council Test Methods for the Examination of Composting and Compost at the minimum frequency listed in Table C;

(E) The jurisdictional health department may require testing of additional metal or contaminants, and/or modify the frequency of testing based on historical data for a particular facility, to appropriately evaluate the composted material.

Table A - Metals

Metal	Limit (mg/kg dry weight)
Arsenic	< = 20 ppm
Cadmium	< = 10 ppm
Copper	< = 750 ppm
Lead	< = 150 ppm
Mercury	< = 8 ppm
Molybdenum <sup>1</sup>	< = 9 ppm
Nickel	< = 210 ppm
Selenium <sup>1</sup>	< = 18 ppm
Zinc	< = 1400 ppm

<sup>1</sup>Not required for composted material made from Type 1, Type 2 or a mixture of Type 1 and Type 2 feedstocks.



Table B - Other Testing Parameters

Parameter	Limit
Manufactured Inerts	< 1 percent
Sharps	0
pH	5 - 10 (range)
Fecal Coliform	< 1,000 Most Probable Number per gram of total solids (dry weight).
Salmonella	< 3 Most Probable Number per 4 grams of total solids (dry weight).

Table C - Frequency of Testing Based on Feedstocks Received

Feedstock Type	< 5,000 cubic yards	= or > 5,000 cubic yards
Type 1	Once per year	Every 10,000 cubic yards or every six months whichever is more frequent
or		
Type 2		
Type 3	Once per quarter (four times per year)	Every 5,000 cubic yards or every other month whichever is more frequent
Type 4	Every 1,000 cubic yards	Every 1,000 cubic yards or once per month whichever is more frequent

(b) Inspect the facility to prevent malfunctions and deterioration, operator errors and discharges, which may cause or lead to the release of waste to the environment or a threat to human health. Inspections shall be conducted at least weekly, unless an alternate schedule is approved by the jurisdictional health department as part of the permitting process. For compost facilities with leachate holding ponds, conduct regular liner inspections at least once every five years, unless an alternate schedule is approved by the jurisdictional health department as part of the permitting process. The frequency of inspections shall be specified in the operations plan and shall be based on the type of liner, expected service life of the material, and the site-specific service conditions. The jurisdictional health department shall be given sufficient notice and have the opportunity to be present during liner inspections. An inspection log or summary shall be kept at the facility or other convenient location if permanent office facilities are not on-site, for at least five years from the date of inspection. Inspection records shall be available to the jurisdictional health department upon request.

(c) Maintain daily operating records of the following:

(i) Temperatures and compost pile turnings for Type 2, Type 3 and Type 4 feedstocks;

(ii) Additional process monitoring data as prescribed in the plan of operation; and

(iii) Results of laboratory analyses for composted materials as required in (a)(viii) of this subsection. Facility inspection reports shall be maintained in the operating record. Significant deviations from the plan of operation shall be noted in the operating record. Records shall be kept for a minimum of five years and shall be available upon request by the jurisdictional health department.

(d) Prepare and submit a copy of an annual report to the jurisdictional health department and the department by April 1st on forms supplied by the department. The annual report shall detail the facility's activities during the previous



calendar year and shall include the following information:

- (i) Name and address of the facility;
- (ii) Calendar year covered by the report;
- (iii) Annual quantity and type of feedstocks received and compost produced, in tons;
- (iv) Annual quantity of composted material sold or distributed, in tons;
- (v) Annual summary of laboratory analyses of composted material; and
- (vi) Any additional information required by the jurisdictional health department as a condition of the permit.

(e) Develop, keep and abide by a plan of operation approved as part of the permitting process. The plan of operation shall convey to site personnel the concept of operation intended by the designer. The plan of operation shall be available for inspection at the request of the jurisdictional health department. If necessary, the plan shall be modified with the approval, or at the direction of the jurisdictional health department. Each plan of operation shall include the following:

- (i) List of feedstocks to be composted, including a general description of the source of feedstocks;
- (ii) A description of how wastes are to be handled on-site during the facility's active life including:
  - (A) Acceptance criteria that will be applied to the feedstocks;
  - (B) Procedures for ensuring that only the waste described will be accepted;
  - (C) Procedures for handling unacceptable wastes;
  - (D) Mass balance calculations for feedstocks and amendments to determine an acceptable mix of materials for efficient decomposition;
  - (E) Material flow plan describing general procedures to manage all materials on-site from incoming feedstock to finished product;
  - (F) A description of equipment, including equipment to add water to compost as necessary;
  - (G) Process monitoring plan, including temperature, moisture, and porosity;
  - (H) Pathogen reduction plan for facilities that accept Type 2, Type 3, and Type 4 feedstocks;
  - (I) Sampling and analysis plan for the final product;
  - (J) Nuisance odor management plan (air quality control plan);
  - (K) Leachate management plan, including monthly water balance; and
  - (L) Storm water management plan;
- (iii) A description of how equipment, structures and other systems are to be inspected and maintained, including the frequency of inspections and inspection logs;
- (iv) A neighbor relations plan describing how the owner or operator will manage complaints;
- (v) Safety, fire and emergency plans;
- (vi) Forms for recordkeeping of daily weights or volumes of incoming feedstocks by type and finished compost product, and process monitoring results; and
- (xvii) Other such details to demonstrate that the facility will be operated in accordance with this subsection and as required by the jurisdictional health department.

(5) *Composting facilities - Ground water monitoring requirements.* There are no specific ground water monitoring requirements for composting facilities subject to this chapter; however, composting facilities must meet the requirements provided under WAC 173-350-040(5).



(6) *Composting facilities - Closure requirements.* The owner or operator of a composting facility shall:

(a) Notify the jurisdictional health department sixty days in advance of closure. At closure, all solid waste, including but not limited to, raw or partially composted feedstocks, and leachate from the facility shall be removed to another facility that conforms with the applicable regulations for handling the waste.

(b) Develop, keep and abide by a closure plan approved by the jurisdictional health department as part of the permitting process. At a minimum, the closure plan shall include methods of removing solid waste materials from the facility.

(7) *Composting facilities - Financial assurance requirements.* There are no specific financial assurance requirements for composting facilities subject to this chapter; however, composting facilities must meet the requirements provided under WAC 173-350-040(5).

(8) *Composting facilities - Permit application contents.* The owner or operator of a composting facility shall obtain a solid waste permit from the jurisdictional health department. All applications for permits shall be submitted in accordance with the procedures established in WAC 173-350-710. In addition to the requirements of WAC 173-350-710 and 173-350-715, each application for a permit shall contain:

(a) Engineering reports/plans and specifications that address the design standards of subsection (3) of this section;

(b) A plan of operation meeting the requirements of subsection (4) of this section; and

(c) A closure plan meeting the requirements of subsection (6) of this section.

(9) *Composting facilities - Construction records.* The owner or operator of a composting facility shall provide copies of the construction record drawings for engineered facilities at the site and a report documenting facility construction, including the results of observations and testing carried out as part of the construction quality assurance plan, to the jurisdictional health department and the department. Facilities shall not commence operation until the jurisdictional health department has determined that the construction was completed in accordance with the approved engineering report/plans and specifications and has approved the construction documentation in writing.

(10) *Composting facilities - Designation of composted materials.* Composted materials meeting the limits for metals in Table A and the parameters of Table B of this section, and having a stability rating of very stable, stable, or moderately unstable as determined by the analysis required in subsection (4)(a)(viii)(D) of this section, shall no longer be considered a solid waste and shall no longer be subject to this chapter. Composted materials that do not meet these limits are still considered solid waste and are subject to management under chapter 70.95 RCW, Solid waste management -- Reduction and recycling.

[Statutory Authority: Chapter 70.95 RCW. 03-03-043 (Order 99-24), § 173-350-220, filed 1/10/03, effective 2/10/03.]



**"Type 1 feedstocks"** means source-separated yard and garden wastes, wood wastes, agricultural crop residues, wax-coated cardboard, preconsumer vegetative food wastes, other similar source-separated materials that the jurisdictional health department determines to have a comparable low level of risk in hazardous substances, human pathogens, and physical contaminants.

**"Type 2 feedstocks"** means manure and bedding from herbivorous animals that the jurisdictional health department determines to have a comparable low level of risk in hazardous substances and physical contaminants when compared to a type 1 feedstock.

**"Type 3 feedstocks"** means meat and postconsumer source-separated food wastes or other similar source-separated materials that the jurisdictional health department determines to have a comparable low level of risk in hazardous substances and physical contaminants, but are likely to have high levels of human pathogens.

**"Type 4 feedstocks"** means mixed municipal solid wastes, postcollection separated or processed solid wastes, industrial solid wastes, industrial biological treatment sludges, or other similar compostable materials that the jurisdictional health department determines to have a comparable high level of risk in hazardous substances, human pathogens and physical contaminants.



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## **WAC 173-350-220**

### **Composting facilities.**

#### *(1) Composting facilities - Applicability.*

(a) This section is applicable to all facilities or sites that treat solid waste by composting. This section is not applicable to:

(i) Composting used as a treatment for dangerous wastes regulated under chapter 173-303 WAC, Dangerous waste regulation;

(ii) Composting used as a treatment for petroleum contaminated soils regulated under WAC 173-350-320;

(iii) Treatment of liquid sewage sludge or biosolids in digesters at wastewater treatment facilities regulated under chapter 90.48 RCW, Water pollution control and chapter 70.95J RCW, Municipal sewage sludge -- Biosolids;

(iv) Treatment of other liquid solid wastes in digesters regulated under WAC 173-350-330; and

(v) Composting biosolids when permitted under chapter 173-308 WAC, Biosolids management.

(b) In accordance with RCW 70.95.305, the operation of the following activities in this subsection are subject solely to the requirements of (c) of this subsection and are exempt from solid waste handling permitting. An owner or operator that does not comply with the terms and conditions of (c) of this subsection is required to obtain a permit from the jurisdictional health department and shall comply with all other applicable requirements of this chapter. In addition, violations of the terms and conditions of (c) of this subsection may be subject to the penalty provisions of RCW 70.95.315.

(i) Production of substrate used solely on-site to grow mushrooms;

(ii) Vermicomposting, when used to process Type 1, Type 2, or Type 3 feedstocks generated on-site;

(iii) Composting of Type 1 or Type 2 feedstocks with a volume limit of forty cubic yards of material on-site at any time. Material on-site includes feedstocks, partially composted feedstocks, and finished compost;

(iv) Composting of food waste generated on-site and composted in containers designed to prohibit vector attraction and prevent nuisance odor generation. Total volume of the containers shall be limited to ten cubic yards or less;

(v) Agricultural composting when all the agricultural wastes are generated on-site and all finished compost is used on-site;

(vi) Agricultural composting when any agricultural wastes are generated off-site, and all finished compost is used on-site, and total volume of material is limited to one thousand cubic yards on-site at any time. Material on-site includes feedstocks, partially composted feedstocks, and finished compost; and

? (vii) Agricultural composting at registered dairies when the composting is a component of a fully certified dairy nutrient management plan as required by chapter 90.64 RCW, Dairy Nutrient Management Act.

(viii) Composting of Type 1 or Type 2 feedstocks when more than forty cubic yards and less than two hundred fifty cubic yards of material is on-site at any one time.

(ix) Agricultural composting, when any of the finished compost is distributed off-site and when it meets the following requirements:

(A) More than forty cubic yards, but less than one thousand cubic yards of agricultural waste is on-site at any time; and

(B) Agricultural composting is managed according to a farm management plan written in conjunction with a conservation district, a qualified engineer, or other agricultural professional able to certify that the plan meets applicable conservation practice standards in the *Washington Field Office Technical Guide* produced by the Natural Resources Conservation Service.

(x) Vermicomposting when used to process Type 1 or Type 2 feedstocks generated off-site. Total volume of materials is limited to one thousand cubic yards on-site at any one time.



(c) Composting operations identified in subsection (b) shall be managed according to the following terms and conditions to maintain their exempt status:

- (i) Comply with the performance standards of WAC 173-350-040;
- (ii) Protect surface water and ground water through the use of best management practices and all known available and reasonable methods of prevention, control, and treatment as appropriate. This includes, but is not limited to, setbacks from wells, surface waters, property lines, roads, public access areas, and site-specific setbacks when appropriate;
- (iii) Control nuisance odors to prevent migration beyond property boundaries;
- (iv) Manage the operation to prevent attraction of flies, rodents, and other vectors;
- (v) Conduct an annual analysis, prepared in accordance with the requirements of subsection (4)(a)(viii) of this section, for composted material that is distributed off-site from categorically exempt facilities described in subsection (1)(b)(vii) through (ix) of this section.
- (vi) Prepare and submit an annual report to the department and the jurisdictional health department by April 1st for categorically exempt facilities described in subsection (1)(b)(vii) through (ix) of this section. Annual reports are not required for facilities operating under the permit exemption provided in (b)(vii) of this subsection if the composted material is not distributed off-site. The annual report shall be on forms supplied by the department and shall detail facility activities during the previous calendar year and shall include the following information:
  - (A) Name and address of the facility;
  - (B) Calendar year covered by the report;
  - (C) Annual quantity and type of feedstocks received and compost produced, in tons;
  - (D) Annual quantity of composted material sold or distributed, in tons;
  - (E) Results of the annual analysis of composted material required by subsection (1)(c)(v) of this section; and
  - (F) Any additional information required by written notification of the department.
- (vii) Allow the department or the jurisdictional health department to inspect the site at reasonable times;
- (viii) For activities under (b)(viii) through (x) of this subsection, and registered dairies where compost is distributed off-site, the department and jurisdictional health department shall be notified in writing thirty days prior to beginning any composting activity. Notification shall include name of owner or operator, location of composting operation and identification of feedstocks.

(2) *Composting facilities - Location standards.* There are no specific location standards for composting facilities subject to this chapter; however, composting facilities must meet the requirements provided under WAC 173-350-040(5).

(3) *Composting facilities - Design standards.* The owner or operator of a composting facility shall prepare engineering reports/plans and specifications, including a construction quality assurance plan, to address the design standards of this subsection. Scale drawings of the facility including the location and size of feedstock and finished product storage areas, compost processing areas, fixed equipment, buildings, leachate collection devices, access roads and other appurtenant facilities; and design specifications for compost pads, storm water run-on prevention system, and leachate collection and conveyance systems shall be provided. All composting facilities shall be designed and constructed to meet the following requirements:

- (a) When necessary to provide public access, all-weather roads shall be provided from the public highway or roads to and within the compost facility and shall be designed and maintained to prevent traffic congestion, traffic hazards, dust and noise pollution;
- (b) Composting facilities shall separate storm water from leachate by designing storm water run-on prevention systems, which may include covered areas (roofs), diversion swales, ditches or other designs to divert storm water from areas of feedstock preparation, active composting and curing;
- (c) Composting facilities shall collect any leachate generated from areas of feedstock preparation, active composting and curing. The leachate shall be conveyed to a leachate holding pond, tank or other containment structure. The



leachate holding structure shall be of adequate capacity to collect the amount of leachate generated, and the volume calculations shall be based on the facility design, monthly water balance, and precipitation data. Leachate holding ponds and tanks shall be designed according to the following:

(i) For leachate ponds at registered dairies, the design and installation shall meet Natural Resources Conservation Service standards for a waste storage facility in the *Washington Field Office Technical Guide*.

(ii) For leachate ponds at composting facilities other than registered dairies, the pond shall be designed to meet the following requirements:

(A) Have a liner consisting of a minimum 30-mil thickness geomembrane overlying a structurally stable foundation to support the liners and the contents of the impoundment. High density polyethylene geomembranes used as primary liners or leak detection liners shall be at least 60-mil thick to allow for proper welding. The jurisdictional health department may approve the use of alternative designs if the owner or operator can demonstrate during the permitting process that the proposed design will prevent migration of solid waste constituents or leachate into the ground or surface waters at least as effectively as the liners described in this subsection;

(B) Have dikes and slopes designed to maintain their structural integrity under conditions of a leaking liner and capable of withstanding erosion from wave action, overfilling, or precipitation;

(C) Have freeboard equal to or greater than eighteen inches to avoid overtopping from wave action, overfilling, or precipitation. The jurisdictional health department may reduce the freeboard requirement provided that other engineering controls are in place which prevent overtopping. These engineering controls shall be specified during the permitting process;

(D) Leachate ponds that have the potential to impound more than ten-acre feet (three million two hundred fifty-nine thousand gallons) of liquid measured from the top of the dike and which would be released by a failure of the containment dike shall be reviewed and approved by the dam safety section of the department.

(iii) Tanks used to store leachate shall meet design standards in WAC 173-350-330 (3)(b).

(d) Composting facilities shall be designed with process parameters and management procedures that promote an aerobic composting process. This requirement is not intended to mandate forced aeration or any other specific composting technology. This requirement is meant to ensure that compost facility designers take into account porosity, nutrient balance, pile oxygen, pile moisture, pile temperature, and retention time of composting when designing a facility.

(e) Incoming feedstocks, active composting, and curing materials shall be placed on compost pads that meet the following requirements:

(i) All compost pads shall be curbed or graded in a manner to prevent ponding, run-on and runoff, and direct all leachate to collection devices. Design calculations shall be based upon the volume of water resulting from a twenty-five-year storm event as defined in WAC 173-350-100;

(ii) All compost pads shall be constructed over soils that are competent to support the weight of the pad and the proposed composting materials;

(iii) The entire surface area of the compost pad shall maintain its integrity under any machinery used for composting activities at the facility; and

(iv) The compost pad shall be constructed of materials such as concrete (with sealed joints), asphaltic concrete, or soil cement to prevent subsurface soil and ground water contamination;

(v) The jurisdictional health department may approve other materials for compost pad construction if the permit applicant is able to demonstrate that the compost pad will meet the requirements of this subsection.

(4) *Composting facilities - Operating standards.* The owner or operator of a composting facility shall:

(a) Operate the facility to:

(i) Control dust, nuisance odors, and other contaminants to prevent migration of air contaminants beyond property boundaries;

(ii) Prevent the attraction of vectors;

(iii) Ensure that only feedstocks identified in the approved plan of operation are accepted at the facility;



(iv) Ensure the facility operates under the supervision and control of a properly trained individual during all hours of operation, and access to the facility is restricted when the facility is closed;

(v) Ensure facility employees are trained in appropriate facility operations, maintenance procedures, and safety and emergency procedures according to individual job duties and according to an approved plan of operation;

(vi) Implement and document pathogen reduction activities when Type 2, 3 or 4 feedstocks are composted. Documentation shall include compost pile temperature and notation of turning as appropriate, based on the composting method used. Pathogen reduction activities shall at a minimum include the following:

(A) In vessel composting - the temperature of the active compost pile shall be maintained at fifty-five degrees Celsius (one hundred thirty-one degrees Fahrenheit) or higher for three days; or

(B) Aerated static pile - the temperature of the active compost pile shall be maintained at fifty-five degrees Celsius (one hundred thirty-one degrees Fahrenheit) or higher for three days; or

(C) Windrow composting - the temperature of the active compost pile shall be maintained at fifty-five degrees Celsius (one hundred thirty-one degrees Fahrenheit) or higher for fifteen days or longer. During the period when the compost is maintained at fifty-five degrees Celsius (one hundred thirty-one degrees Fahrenheit) or higher, there shall be a minimum of five turnings of the windrow; or

(D) An alternative method that can be demonstrated by the owner or operator to achieve an equivalent reduction of human pathogens;

(vii) Monitor the composting process according to the plan of operation submitted during the permitting process. Monitoring shall include inspection of incoming loads of feedstocks and pathogen reduction requirements of (a)(vi) of this subsection; and

(viii) Analyze composted material for:

(A) Metals in Table A at the minimum frequency listed in Table C. Compost facilities composting only Type 1 and Type 2 feedstocks are not required to test for molybdenum and selenium. Testing frequency is based on the feedstock type and the volume of feedstocks processed per year;

(B) Parameters in Table B at the minimum frequency listed in Table C. Testing frequency is based on the feedstock type and the volume of feedstocks processed per year;

(C) Nitrogen content at the minimum frequency listed in Table C; and

(D) Biological stability as outlined in United States Composting Council Test Methods for the Examination of Composting and Compost at the minimum frequency listed in Table C;

(E) The jurisdictional health department may require testing of additional metal or contaminants, and/or modify the frequency of testing based on historical data for a particular facility, to appropriately evaluate the composted material.

Table A - Metals

Metal	Limit (mg/kg dry weight)
Arsenic	< = 20 ppm
Cadmium	< = 10 ppm
Copper	< = 750 ppm
Lead	< = 150 ppm
Mercury	< = 8 ppm
Molybdenum <sup>1</sup>	< = 9 ppm
Nickel	< = 210 ppm
Selenium <sup>1</sup>	< = 18 ppm
Zinc	< = 1400 ppm

<sup>1</sup>Not required for composted material made from Type 1, Type 2 or a mixture of Type 1 and Type 2 feedstocks.



Table B - Other Testing Parameters

Parameter	Limit
Manufactured Inerts	< 1 percent
Sharps	0
pH	5 - 10 (range)
Fecal Coliform	< 1,000 Most Probable Number per gram of total solids (dry weight).
Salmonella	< 3 Most Probable Number per 4 grams of total solids (dry weight).

Table C - Frequency of Testing Based on Feedstocks Received

Feedstock Type	< 5,000 cubic yards	= or > 5,000 cubic yards
Type 1	Once per year	Every 10,000 cubic yards or every six months whichever is more frequent
or		
Type 2		
Type 3	Once per quarter (four times per year)	Every 5,000 cubic yards or every other month whichever is more frequent
Type 4	Every 1,000 cubic yards	Every 1,000 cubic yards or once per month whichever is more frequent

(b) Inspect the facility to prevent malfunctions and deterioration, operator errors and discharges, which may cause or lead to the release of waste to the environment or a threat to human health. Inspections shall be conducted at least weekly, unless an alternate schedule is approved by the jurisdictional health department as part of the permitting process. For compost facilities with leachate holding ponds, conduct regular liner inspections at least once every five years, unless an alternate schedule is approved by the jurisdictional health department as part of the permitting process. The frequency of inspections shall be specified in the operations plan and shall be based on the type of liner, expected service life of the material, and the site-specific service conditions. The jurisdictional health department shall be given sufficient notice and have the opportunity to be present during liner inspections. An inspection log or summary shall be kept at the facility or other convenient location if permanent office facilities are not on-site, for at least five years from the date of inspection. Inspection records shall be available to the jurisdictional health department upon request.

(c) Maintain daily operating records of the following:

(i) Temperatures and compost pile turnings for Type 2, Type 3 and Type 4 feedstocks;

(ii) Additional process monitoring data as prescribed in the plan of operation; and

(iii) Results of laboratory analyses for composted materials as required in (a)(viii) of this subsection. Facility inspection reports shall be maintained in the operating record. Significant deviations from the plan of operation shall be noted in the operating record. Records shall be kept for a minimum of five years and shall be available upon request by the jurisdictional health department.

(d) Prepare and submit a copy of an annual report to the jurisdictional health department and the department by April



1st on forms supplied by the department. The annual report shall detail the facility's activities during the previous calendar year and shall include the following information:

- (i) Name and address of the facility;
  - (ii) Calendar year covered by the report;
  - (iii) Annual quantity and type of feedstocks received and compost produced, in tons;
  - (iv) Annual quantity of composted material sold or distributed, in tons;
  - (v) Annual summary of laboratory analyses of composted material; and
  - (vi) Any additional information required by the jurisdictional health department as a condition of the permit.
- (e) **Develop, keep and abide by a plan of operation** approved as part of the permitting process. The plan of operation shall convey to site personnel the concept of operation intended by the designer. The plan of operation shall be available for inspection at the request of the jurisdictional health department. If necessary, the plan shall be modified with the approval, or at the direction of the jurisdictional health department. Each plan of operation shall include the following:
- (i) List of feedstocks to be composted, including a general description of the source of feedstocks;
  - (ii) A description of how wastes are to be handled on-site during the facility's active life including:
    - (A) Acceptance criteria that will be applied to the feedstocks;
    - (B) Procedures for ensuring that only the waste described will be accepted;
    - (C) Procedures for handling unacceptable wastes;
    - (D) Mass balance calculations for feedstocks and amendments to determine an acceptable mix of materials for efficient decomposition;
    - (E) Material flow plan describing general procedures to manage all materials on-site from incoming feedstock to finished product;
    - (F) A description of equipment, including equipment to add water to compost as necessary;
    - (G) Process monitoring plan, including temperature, moisture, and porosity;
    - (H) Pathogen reduction plan for facilities that accept Type 2, Type 3, and Type 4 feedstocks;
    - (I) Sampling and analysis plan for the final product;
    - (J) Nuisance odor management plan (air quality control plan);
    - (K) Leachate management plan, including monthly water balance; and
    - (L) Storm water management plan;
  - (iii) A description of how equipment, structures and other systems are to be inspected and maintained, including the frequency of inspections and inspection logs;
  - (iv) A neighbor relations plan describing how the owner or operator will manage complaints;
  - (v) Safety, fire and emergency plans;
  - (vi) Forms for recordkeeping of daily weights or volumes of incoming feedstocks by type and finished compost product, and process monitoring results; and
  - (xvii) Other such details to demonstrate that the facility will be operated in accordance with this subsection and as required by the jurisdictional health department.
- (5) **Composting facilities - Ground water monitoring requirements.** There are no specific ground water monitoring requirements for composting facilities subject to this chapter; however, composting facilities must meet the requirements



provided under WAC 173-350-040(5).

(6) *Composting facilities - Closure requirements.* The owner or operator of a composting facility shall:

(a) Notify the jurisdictional health department sixty days in advance of closure. At closure, all solid waste, including but not limited to, raw or partially composted feedstocks, and leachate from the facility shall be removed to another facility that conforms with the applicable regulations for handling the waste.

(b) Develop, keep and abide by a closure plan approved by the jurisdictional health department as part of the permitting process. At a minimum, the closure plan shall include methods of removing solid waste materials from the facility.

(7) *Composting facilities - Financial assurance requirements.* There are no specific financial assurance requirements for composting facilities subject to this chapter; however, composting facilities must meet the requirements provided under WAC 173-350-040(5).

(8) *Composting facilities - Permit application contents.* The owner or operator of a composting facility shall obtain a solid waste permit from the jurisdictional health department. All applications for permits shall be submitted in accordance with the procedures established in WAC 173-350-710. In addition to the requirements of WAC 173-350-710 and 173-350-715, each application for a permit shall contain:

(a) Engineering reports/plans and specifications that address the design standards of subsection (3) of this section;

(b) A plan of operation meeting the requirements of subsection (4) of this section; and

(c) A closure plan meeting the requirements of subsection (6) of this section.

(9) *Composting facilities - Construction records.* The owner or operator of a composting facility shall provide copies of the construction record drawings for engineered facilities at the site and a report documenting facility construction, including the results of observations and testing carried out as part of the construction quality assurance plan, to the jurisdictional health department and the department. Facilities shall not commence operation until the jurisdictional health department has determined that the construction was completed in accordance with the approved engineering report/plans and specifications and has approved the construction documentation in writing.

(10) *Composting facilities - Designation of composted materials.* Composted materials meeting the limits for metals in Table A and the parameters of Table B of this section, and having a stability rating of very stable, stable, or moderately unstable as determined by the analysis required in subsection (4)(a)(viii)(D) of this section, shall no longer be considered a solid waste and shall no longer be subject to this chapter. Composted materials that do not meet these limits are still considered solid waste and are subject to management under chapter 70.95 RCW, Solid waste management -- Reduction and recycling.

[Statutory Authority: Chapter 70.95 RCW. 03-03-043 (Order 99-24), § 173-350-220, filed 1/10/03, effective 2/10/03.]



## **Valley View Dairy Compost Plan**

Roger & Sandy Short  
1720 Center Rd  
facility entrance  
1594 Center Rd.  
Chimacum, Washington 98325  
(360) 732-4601 House 301-3521 Cell 732-7255

### **History of Dairy**

**1970** Roger Purchased dairy from father

**1970-March 2003** Milked up to 320 head of Holstein cows plus raising 300 young stock and farmed about 500 acres, ½ owned and ½ leased.

**2002** Adopted and certified state "Dairy Nutrient Plan"

**2003** Sold the milking herd because of depressed milk prices while keeping 200 heifers and all acreage to raise hay which will be sold.

### **History of Peat Soil and Manure Sales**

In 1998 Roger started helping his father with his soil business and making all deliveries. Then in 2003 Roger fully took over the business which has annual sales of about \$40,000.

### **Compost Training**

Roger attended Compost Facility Operator Training in April of 2003. The training was sponsored by Washington Organic Recycling Council and held at WSU Puyallup. He learned a lot, and made contact with Peter Moon, who has now been retained for consulting at a cost of \$4800

**Peter Moon**, a nationally known composting consultant engineer who is going to be working closely with the composting process, the monitoring of the product and help with the analysis and concerns that the operator or he has.

127 Ave A suite 2  
Snohomish, WA 9829  
360-563-6709 Toll Free 800-611-3718 Fax 360-563-5190.



### Compost Plan- Using Raw materials Feed stock

1. Manure from the old Dairy operation and the remaining herd
2. Waste feed
3. Dairy bedding and wood shavings
4. Ground yard waste from Port Townsend Compost which will be used as bulking material
5. Provide a site for other farmers who may not have adequate storage for protecting the water quality.

### Compost Plan

1. Sell compost to home owners, gardeners, landscapers, and environmental improvement projects
2. Sell compost to organic farmers
3. All extra compost which may not meet specs will be used on Roger's farm

### Composting Procedure

1. Use a aerated static pile method of composting
2. Need to add a bulking material to the dairy manure. The bulking material is not generated on the farm
3. Will follow procedure out lined in Washington Organic Recycling Council Compost Facility Operator Training Manual
4. Will maintain 131 degree for 14 days
5. Use a temperature probe
6. To much moisture in feedstock will be the major concern to overcome
7. Composting will take place on a concrete slab that drains to the dairy's present liquid manure storage. It will not be under a roof.
8. Finished compost will be stored under a roof of an un used dairy shed. Sheds drain to liquid manure storage

### Environmental Concerns

1. Water:
  - A. all roofs are guttered and drained away from building to a grass filter area
  - B. composting, screening, mixing, final storage and loading take place on concrete slabs that drain to the dairy liquid manure storage.
  - C. Chimacum creek is about 600 feet from composting area



2. Odor:
  - A. Non farm homes are not a concern. The nearest one is over 1/4 mile.
  - B. Highway is only 100 feet from feed stock holding area and is east of the composting site.
  - C. prevailing wind from South
  - D. Care will need to be taken to prevent anaerobic respiration because of wet material
  - E. Dairy manure and dairy feed waste are high Nitrogen which can cause Order under both aerobic conditions, and anaerobic conditions
3. Dust will be minimal
4. Nearest well is about 2000 feet
5. Creek is about 500 feet

### Size of Operation

Sales of aged manure is less then 500 yards per year. With having about 500 yards in the processing of the composting plan.

### Feed Stock

1. manure stored on dairy
1. bulking material about 500 yards at anytime

### Basis For Permit Exemption:

WAC 173-350-220 (composting facilities) "b" says, In accordance with RCW 70.95.305, the operation of the following activities in this subsection are subject solely to the requirements of (c) this subsection are exempt from solid waste handling permitting."

Solid waste handling permit exemption category is WAC 173-350-220, 1, b, ix, "Agriculture composting," when any of the finished product is used off site and meets the following requirements:

(A). more than 40 cubic yards, but less than 1000 cubic yards of agricultural waste is on site at any time; and (B) Agricultural composting is managed according to a farm management plan written in conjunction with a conservation district, a qualified engineer, or other agricultural professional able to certify that the plan meets applicable conservation practice standards in the Washington Field Office Technical Guide produced by NRCS

### Terms and Conditions to Maintain Exempt Status:

1. Comply with performance standards of WAC 173-350-040
2. Protect surface water and ground water through the use of best management practices and all known available and reasonable methods of prevention, control, and treatment as appropriate. This includes, but is not limited to, setbacks from



- wells, surface waters, property lines, roads public access areas, and site- specific setback when appropriate.
3. Control nuisance orders to prevent migration beyond property boundaries.
  4. Manage the operation to prevent attraction of flies, rodents, and other vectors
  5. Conduct an annual analysis, prepared in accordance with requirements of subsection (4)(a)(viii)
  6. Prepare and submit an annual report to the department and the jurisdictional health department by April 1<sup>st</sup> . The annual report shall be on forms supplied by the department and shall detail facility activities during the previous calendar year and shall include the following information.
    - a. Name and address of the facility;
    - b. calendar year covered by the report;
    - c. annual quantity and type of feed stocks received, and compost produced in tons.
    - d. Annual quantity of compost material sold or distributed, in tons
    - e. Results of the annual analysis
    - f. Any additional information required by written notification of the department;
  7. Allow the department or the jurisdictional health department to inspect the site at reasonable times.
  8. The department and jurisdictional health department shall be notified in writing thirty days prior to beginning any composting activity. Notification shall include name of owner or operator, location of compost operation and identification of feed stocks. Also include site plan, feed stocks, aeration process, operations plan, volumes and drainage.

Analyze composted material for ( section 4,a.viii.)

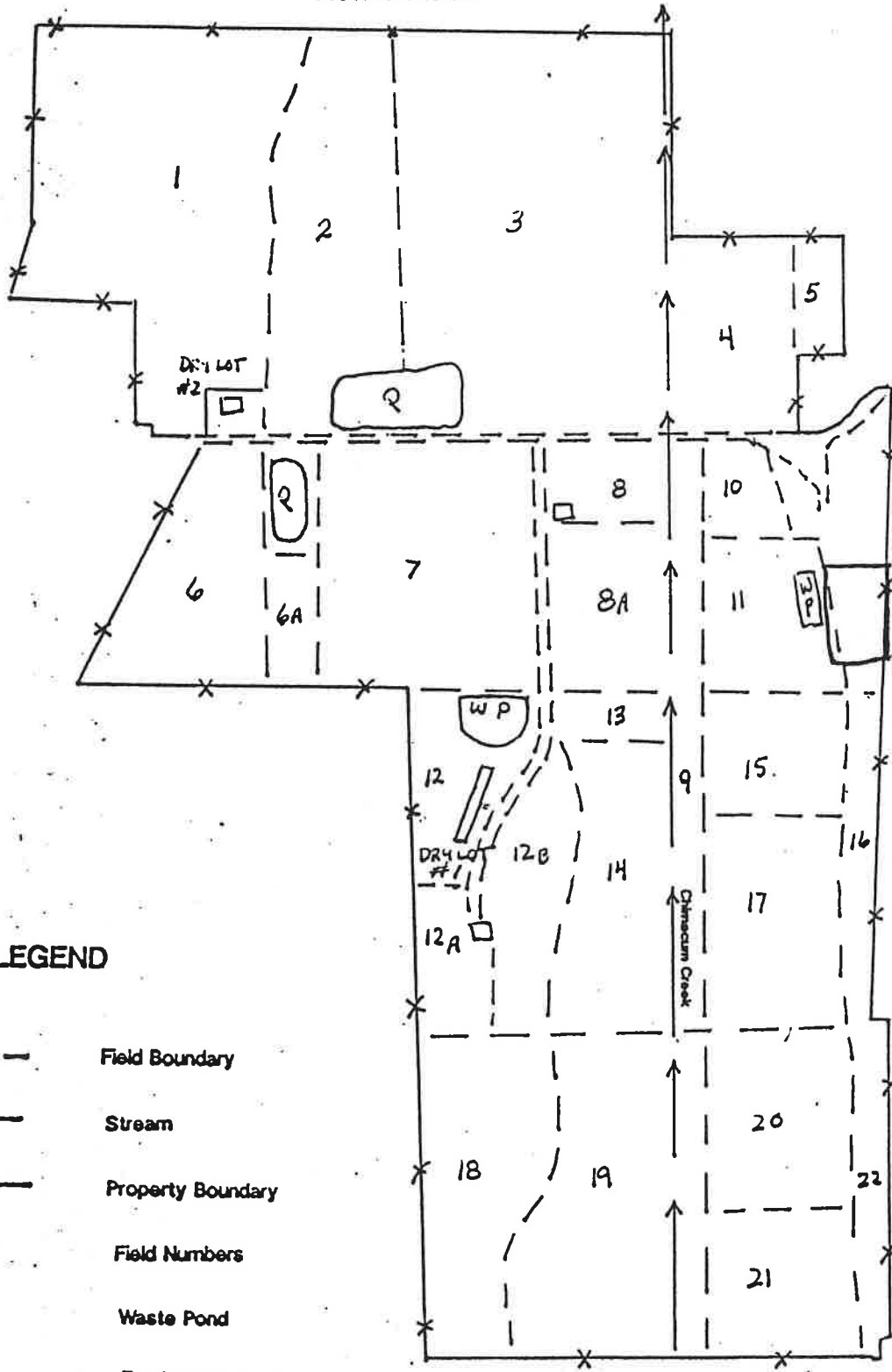
- A. Metals in Table A at the minimum frequency listed in Table C. Compost facilities composting only type 1 and type 2 feedstocks are not required to test for molybdenum and selenium. Testing frequency is based on the feedstock type and the volume of feedstocks processed per year;
- B. Parameters in table B at the minimum frequency listed in Table C. Testing frequency is based on the feedstock type and the volume of feedstocks processed per year;
- C. Nitrogen content at the minimum frequency listed in Table C and;
- D. Biological stability as outlined in United states composting Council Test Methods for the Examination of Composting and compost at the minimum frequency listed in Table C
- E. The jurisdictional health department may require testing of additional metal or contaminates, and /or modify the frequency of testing based on historical data for a particular facility, to appropriately evaluate the composed material.



# FIELD MAP

Home Place

Valley View Dairy  
1594 Center Rd  
Chimacum, wa. 98325



Scale 1" = 660'

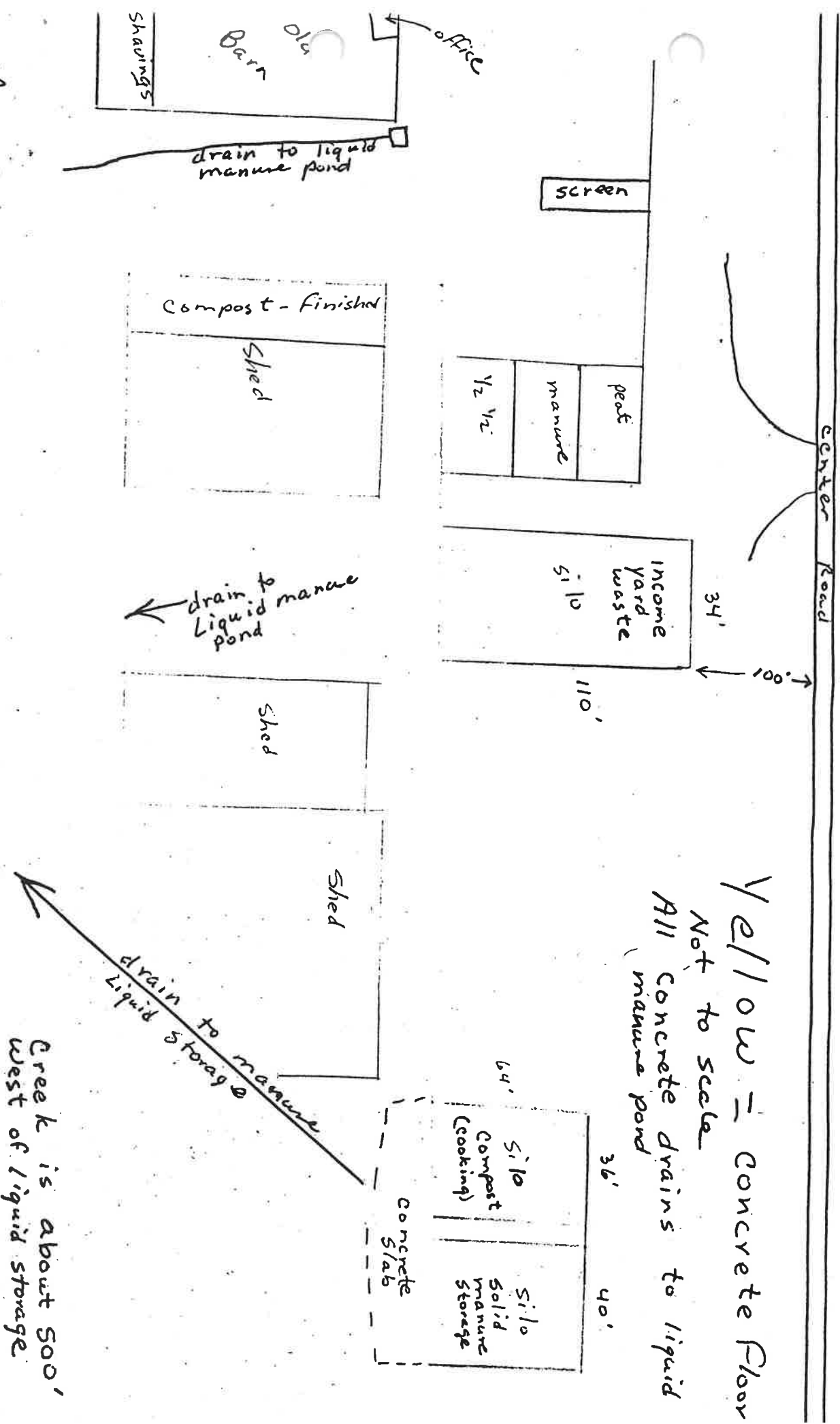
← Composting site

## LEGEND

- Field Boundary
- Stream
- Property Boundary
- Field Numbers
- Waste Pond
- Freshwater Pond



# Valley View Dairy Compost



Yellow = concrete floor

Not to scale

All concrete drains to liquid manure pond

Creek is about 500' west of liquid storage



Definitions

**"Type 1 feedstocks"** means source-separated yard and garden wastes, wood wastes, agricultural crop residues, wax-coated cardboard, pre-consumer vegetative food wastes, other similar source-separated materials that the jurisdictional health department determines to have a comparable low level of risk in hazardous substances, human pathogens, and physical contaminants.

**"Type 2 feedstocks"** means manure and bedding from herbivorous animals that the jurisdictional health department determines to have a comparable low level of risk in hazardous substances and physical contaminants when compared to a type 1 feedstock.

**"Type 3 feedstocks"** means meat and post-consumer source-separated food wastes or other similar source-separated materials that the jurisdictional health department determines to have a comparable low level of risk in hazardous substances and physical contaminants, but are likely to have high levels of human pathogens.

**"Type 4 feedstocks"** means mixed municipal solid wastes, post-collection separated or processed solid wastes, industrial solid wastes, industrial biological treatment sludges, or other similar compostable materials that the jurisdictional health department determines to have a comparable high level of risk in hazardous substances, human pathogens and physical contaminants.

(v) Composting biosolids when permitted under chapter 173-308 WAC, Biosolids management.

(b) In accordance with RCW 70.95.305, the operation of the following activities in this subsection are subject solely to the requirements of (c) of this subsection and are exempt from solid waste handling permitting. An owner or operator that does not comply with the terms and conditions of (c) of this subsection is required to obtain a permit from the jurisdictional health department and shall comply with all other applicable requirements of this chapter. In addition, violations of the terms and conditions of (c) of this subsection may be subject to the penalty provisions of RCW 70.95.315.

(i) Production of substrate used solely on-site to grow mushrooms;

(ii) Vermicomposting, when used to process Type 1, Type 2, or Type 3 feedstocks generated on-site;

(iii) Composting of Type 1 or Type 2 feedstocks with a volume limit of forty cubic yards of material on-site at any time. Material on-site includes feedstocks, partially composted feedstocks, and finished compost;

(iv) Composting of food waste generated on-site and composted in containers designed to prohibit vector attraction and prevent nuisance odor generation. Total volume of the containers shall be limited to ten cubic yards or less;

(v) Agricultural composting when all the agricultural wastes are generated on-site and all finished compost is used on-site;

(vi) Agricultural composting when any agricultural wastes are generated off-site, and all finished compost is used on-site, and total volume of material is limited to one thousand cubic yards on-site at any time. Material on-site includes feedstocks, partially composted feedstocks, and finished compost; and

(vii) Agricultural composting at registered dairies when the composting is a component of a fully certified dairy nutrient management plan as required by chapter 90.64 RCW, Dairy Nutrient Management Act.

(viii) Composting of Type 1 or Type 2 feedstocks when more than forty cubic yards and less than two hundred fifty cubic yards of material is on-site at any one time.

(ix) Agricultural composting, when any of the finished compost is distributed off-site and when it meets the following requirements:

Ag composting → distributed off site  
feedstocks are on-site



(A) More than forty cubic yards, but less than one thousand cubic yards of agricultural waste is on-site at any time; and

(B) Agricultural composting is managed according to a farm management plan written in conjunction with a conservation district, a qualified engineer, or other agricultural professional able to certify that the plan meets applicable conservation practice standards in the *Washington Field Office Technical Guide* produced by the Natural Resources Conservation Service.

(x) Vermicomposting when used to process Type 1 or Type 2 feedstocks generated off-site. Total volume of materials is limited to one thousand cubic yards on-site at any one time.

(c) Composting operations identified in subsection (b) shall be managed according to the following terms and conditions to maintain their exempt status:

(i) Comply with the performance standards of WAC 173-350-040;

(ii) Protect surface water and ground water through the use of best management practices and all known available and reasonable methods of prevention, control, and treatment as appropriate. This includes, but is not limited to, setbacks from wells, surface waters, property lines, roads, public access areas, and site-specific setbacks when appropriate;

(iii) Control nuisance odors to prevent migration beyond property boundaries;

(iv) Manage the operation to prevent attraction of flies, rodents, and other vectors;

(v) Conduct an annual analysis, prepared in accordance with the requirements of subsection (4)(a)(viii) of this section, for composted material that is distributed off-site from categorically exempt facilities described in subsection (1)(b)(vii) through (ix) of this section.

(vi) Prepare and submit an annual report to the department and the jurisdictional health department by April 1st for categorically exempt facilities described in subsection (1)(b)(vii) through (ix) of this section. Annual reports are not required for facilities operating under the permit exemption provided in (b)(vii) of this subsection if the composted material is not distributed off-site. The annual report shall be on forms supplied by the department and shall detail facility activities during the previous calendar year and shall include the following information:

(A) Name and address of the facility;

(B) Calendar year covered by the report;

(C) Annual quantity and type of feedstocks received and compost produced, in tons;

(D) Annual quantity of composted material sold or distributed, in tons;

(E) Results of the annual analysis of composted material required by subsection (1)(c)(v) of this section; and

(F) Any additional information required by written notification of the department.

(vii) Allow the department or the jurisdictional health department to inspect the site at reasonable times;

(viii) For activities under (b)(viii) through (x) of this subsection, and registered dairies where compost is distributed off-site, the department and jurisdictional health department shall be notified in writing thirty days prior to beginning any composting activity. Notification shall include name of owner or operator, location of composting operation and identification of feedstocks.

**Analyze composted material for:**

(A) Metals in Table A at the minimum frequency listed in Table C. Compost facilities composting only Type 1 and Type 2 feedstocks are not required to test for molybdenum and selenium. Testing frequency is based on the feedstock type and the volume of feedstocks processed per year;



(B) Parameters in Table B at the minimum frequency listed in Table C. Testing frequency is based on the feedstock type and the volume of feedstocks processed per year;

(C) Nitrogen content at the minimum frequency listed in Table C; and

(D) Biological stability as outlined in United States Composting Council Test Methods for the Examination of Composting and Compost at the minimum frequency listed in Table C;

(E) The jurisdictional health department may require testing of additional metal or contaminants, and/or modify the frequency of testing based on historical data for a particular facility, to appropriately evaluate the composted material.

Table A - Metals

<b>Metal</b>	<b>Limit (mg/kg dry weight)</b>
Arsenic	< = 20 ppm
Cadmium	< = 10 ppm
Copper	< = 750 ppm
Lead	< = 150 ppm
Mercury	< = 8 ppm
Molybdenum <sup>1</sup>	< = 9 ppm
Nickel	< = 210 ppm
Selenium <sup>1</sup>	< = 18 ppm
Zinc	< = 1400 ppm

<sup>1</sup>Not required for composted material made from Type 1, Type 2 or a mixture of Type 1 and Type 2 feedstocks.

Table B - Other Testing Parameters

<b>Parameter</b>	<b>Limit</b>
Manufactured Inerts	< 1 percent
Sharps	0
pH	5 - 10 (range)
Fecal Coliform	< 1,000 Most Probable Number per gram of total solids (dry weight).
Salmonella	< 3 Most Probable Number per 4 grams of total solids (dry weight).

Table C - Frequency of Testing Based on Feedstocks Received



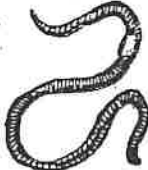
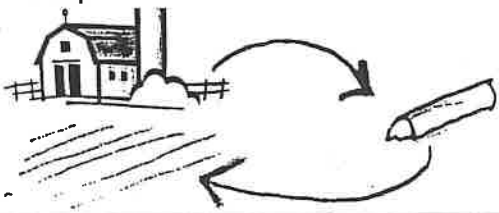

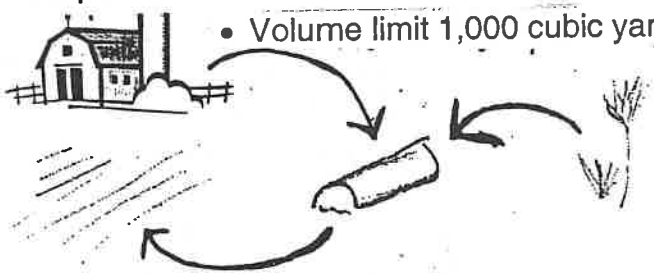
<b>Feedstock Type</b>	<b>&lt; 5,000 cubic yards</b>	<b>= or &gt; 5,000 cubic yards</b>
Type 1	Once per year	Every 10,000 cubic yards or every six months whichever is more frequent
or		
Type 2		
Type 3	Once per quarter (four times per year)	Every 5,000 cubic yards or every other month whichever is more frequent
Type 4	Every 1,000 cubic yards	Every 1,000 cubic yards or once per month whichever is more frequent



**DRAFT**

# Composting Facility Standards

(WAC 173-350-220)  
Exemption Categories

<p><b>(i) Mushroom substrate</b></p>  <ul style="list-style-type: none"><li>• Production of substrate used solely on-site to produce mushrooms</li></ul>	<p><b>(iv) Food waste</b></p> <ul style="list-style-type: none"><li>• Food waste generated on-site</li><li>• Volume limit 10 cubic yards total</li><li>• Must be in containers</li></ul> 
<p><b>(ii) Vermicomposting</b></p> <ul style="list-style-type: none"><li>• Type 1, 2, 3, feedstocks</li><li>• Feedstocks generated on-site</li><li>•</li></ul> 	<p><b>(v) Agricultural composting</b></p> <ul style="list-style-type: none"><li>• All feedstocks generated on-site</li><li>• All product used on site</li></ul> 
<p><b>(iii) 40 Cubic yards - Type 1, 2</b></p> <ul style="list-style-type: none"><li>• Volume limit includes all material on-site</li></ul> 	<p><b>(vi) Agricultural composting</b></p> <ul style="list-style-type: none"><li>• Feedstock may be generated off-site</li><li>• All product used on site</li><li>• Volume limit 1,000 cubic yards</li></ul> 

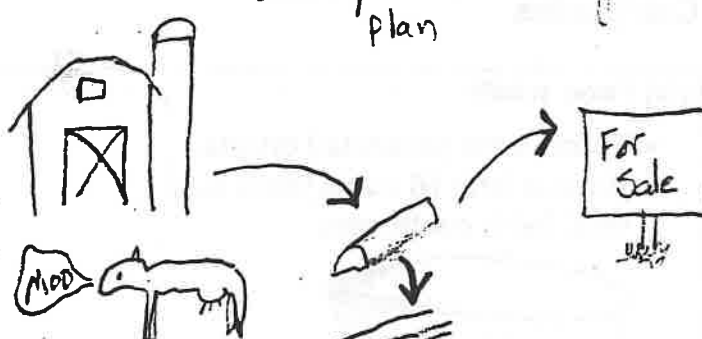


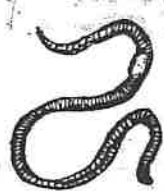
## Terms and conditions for Categories (i) through (vi)

- Meet performance standards in WAC 173-350-040
- Protect surface water and groundwater
- Control odors
- Don't attract flies, rodents and other vectors
- Allow inspections by Ecology and health departments

**DRAFT**



R. Sho-c ???

<p>(vii) Agricultural composting at dairies</p> <ul style="list-style-type: none"> <li>• Dairy nutrient management plan</li> </ul> 	<p>(ix) Agricultural composting – distributed off-site</p> <ul style="list-style-type: none"> <li>• 40 &gt; 1000 cubic yards</li> <li>• Farm plan</li> </ul> 
<p>(viii) 40 &gt; 250 cubic yards – Type 1, 2</p> <ul style="list-style-type: none"> <li>• Volume limit includes all material on-site</li> </ul> 	<p>(x) Vermicomposting</p> <ul style="list-style-type: none"> <li>• Type 1, 2 feedstocks</li> <li>• Can be generated off-site</li> <li>• No annual reports or analysis required.</li> </ul> 

#### Terms and conditions for Categories (vii) through (x) - "Notification Tier"

- Meet performance standards in WAC 173-350-040
- Protect surface water and groundwater
- Control odors
- Don't attract flies, rodents and other vectors
- Allow inspections
- Notify health department and Ecology
- Analyze composted material
- Submit annual reports

DRAFT

**"Agricultural composting"** means composting of agricultural waste as an integral component of a system designed to improve soil health and recycle agricultural wastes. Agricultural composting is conducted on lands used for farming.

**"Agricultural wastes"** means wastes on farms resulting from the raising or growing of plants and animals, including but not limited to, crop residues, manure and animal bedding, and carcasses of dead animals weighing each or collectively in excess of fifteen pounds.



## **Valley View Dairy Compost Plan**

Roger & Sandy Short  
1720 Center Rd  
facility entrance  
1594 Center Rd.  
Chimacum, Washington 98325  
(360) 732-4601 House 301-3521 Cell 732-7255 Fax

### **History of Dairy**

**1970** Roger Purchased dairy from father

**1970-March 2003** Milked up to 320 head of Holstein cows plus raising 300 young stock and farmed about 500 acres, ½ owned and ½ leased.

**2002** Adopted and certified state "Dairy Nutrient Plan"

**2003** Sold the milking herd because of depressed milk prices while keeping 200 heifers and all acreage to raise hay which will be sold.

### **History of Peat Soil and Manure Sales**

In 1998 Roger started helping his father with his soil business and making all deliveries. Then in 2003 Roger fully took over the business which has annual sales of about \$40,000.

### **Compost Training**

Roger attended Compost Facility Operator Training in April of 2003. The training was sponsored by Washington Organic Recycling Council and held at WSU Puyallup. He learned a lot, and made contact with Peter Moon, who has now been retained for consulting at a cost of \$4800

**Peter Moon**, a nationally known composting consultant engineer who is going to be working closely with the composting process, the monitoring of the product and help with the analysis and concerns that the operator or he has.

127 Ave A suite 2  
Snohomish, WA 9829  
360-563-6709 Toll Free 800-611-3718 Fax 360-563-5190.



### Compost Plan- Using Raw materials Feed stock

1. Manure from the old Dairy operation and the remaining herd
2. Waste feed
3. Dairy bedding and wood shavings
4. Ground yard waste from Port Townsend Compost which will be used as bulking material
5. Provide a site for other farmers who may not have adequate storage for protecting the water quality.

### Compost Plan

1. Sell compost to home owners, gardeners, landscapers, and environmental improvement projects
2. Sell compost to organic farmers
3. All extra compost which may not meet specs will be used on Roger's farm

### Composting Procedure

1. Use a aerated static pile method of composting
2. Need to add a bulking material to the dairy manure. The bulking material is not generated on the farm
3. Will follow procedure out lined in Washington Organic Recycling Council Compost Facility Operator Training Manual
4. Will maintain 131 degree for 14 days
5. Use a temperature probe
6. To much moisture in feedstock will be the major concern to overcome
7. Composting will take place on a concrete slab that drains to the dairy's present liquid manure storage. It will not be under a roof.
8. Finished compost will be stored under a roof of an un used dairy shed. Sheds drain to liquid manure storage

### Environmental Concerns

1. Water:
  - A. all roofs are guttered and drained away from building to a grass filter area
  - B. composting, screening, mixing, final storage and loading take place on concrete slabs that drain to the dairy liquid manure storage.
  - C. Chimacum creek is about 600 feet from composting area



2. Odor:
  - A. Non farm homes are not a concern. The nearest one is over 1/4 mile.
  - B. Highway is only 100 feet from feed stock holding area and is east of the composting site.
  - C. prevailing wind from South
  - D. Care will need to be taken to prevent anaerobic respiration because of wet material
  - E. Dairy manure and dairy feed waste are high Nitrogen which can cause Order under both aerobic conditions, and anaerobic conditions
3. Dust will be minimal
4. Nearest well is about 2000 feet
5. Creek is about 500 feet

### Size of Operation

Sales of aged manure is less then 500 yards per year. With having about 500 yards in the processing of the composting plan.

### Feed Stock

1. manure stored on dairy
1. bulking material about 500 yards at anytime

### Basis For Permit Exemption:

WAC 173-350-220 (composting facilities) "b" says, In accordance with RCW 70.95.305, the operation of the following activities in this subsection are subject solely to the requirements of (c) this subsection are exempt from solid waste handling permitting."

Solid waste handling permit exemption category is WAC 173-350-220, 1, b, ix, "Agriculture composting," when any of the finished product is used off site and meets the following requirements:

(A). more than 40 cubic yards, but less than 1000 cubic yards of agricultural waste is on site at any time; and (B) Agricultural composting is managed according to a farm management plan written in conjunction with a conservation district, a qualified engineer, or other agricultural professional able to certify that the plan meets applicable conservation practice standards in the Washington Field Office Technical Guide produced by NRCS

### Terms and Conditions to Maintain Exempt Status:

1. Comply with performance standards of WAC 173-350-040
2. Protect surface water and ground water through the use of best management practices and all known available and reasonable methods of prevention, control, and treatment as appropriate. This includes, but is not limited to, setbacks from



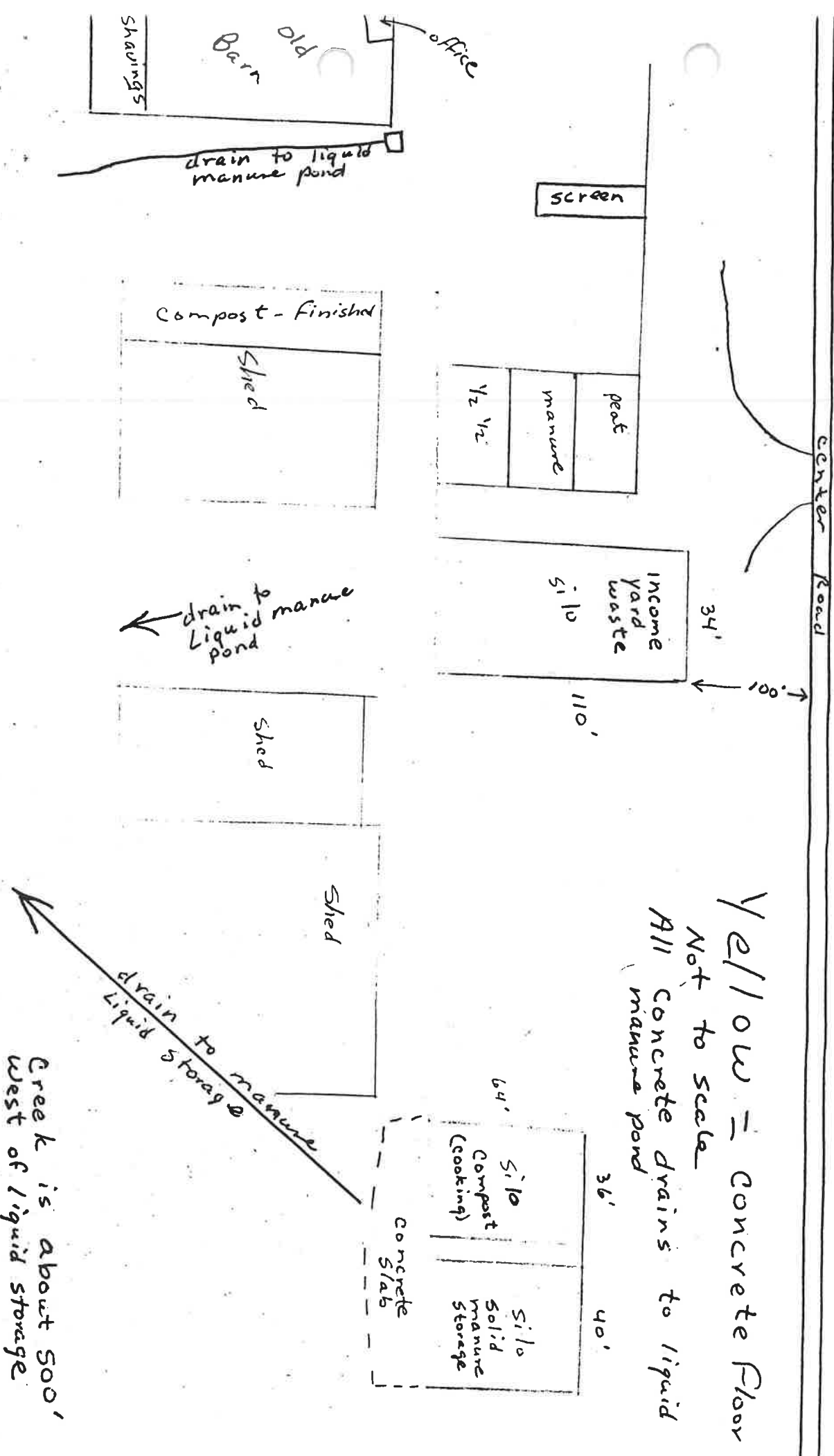
- wells, surface waters, property lines, roads public access areas, and site- specific setback when appropriate.
3. Control nuisance orders to prevent migration beyond property boundaries.
  4. Manage the operation to prevent attraction of flies, rodents, and other vectors
  5. Conduct an annual analysis, prepared in accordance with requirements of subsection (4)(a)(viii)
  6. Prepare and submit an annual report to the department and the jurisdictional health department by April 1<sup>st</sup> . The annual report shall be on forms supplied by the department and shall detail facility activities during the previous calendar year and shall include the following information.
    - a. Name and address of the facility;
    - b. calendar year covered by the report;
    - c. annual quantity and type of feed stocks received, and compost produced in tons.
    - d. Annual quantity of compost material sold or distributed, in tons
    - e. Results of the annual analysis
    - f. Any additional information required by written notification of the department;
  7. Allow the department or the jurisdictional health department to inspect the site at reasonable times.
  8. The department and jurisdictional health department shall be notified in writing thirty days prior to beginning any composting activity. Notification shall include name of owner or operator, location of compost operation and identification of feed stocks. Also include site plan, feed stocks, aeration process, operations plan, volumes and drainage.

Analyze composted material for ( section 4.a.viii,)

- A. Metals in Table A at the minimum frequency listed in Table C. Compost facilities composting only type 1 and type 2 feedstocks are not required to test for molybdenum and selenium. Testing frequency is based on the feedstock type and the volume of feedstocks processed per year;
- B. Parameters in table B at the minimum frequency listed in Table C. Testing frequency is based on the feedstock type and the volume of feedstocks processed per year;
- C. Nitrogen content at the minimum frequency listed in Table C and;
- D. Biological stability as outlined in United states composting Council Test Methods for the Examination of Composting and compost at the minimum frequency listed in Table C
- E. The jurisdictional health department may require testing of additional metal or contaminants, and /or modify the frequency of testing based on historical data for a particular facility, to appropriately evaluate the composed material.



# Valley View Dairy Compost



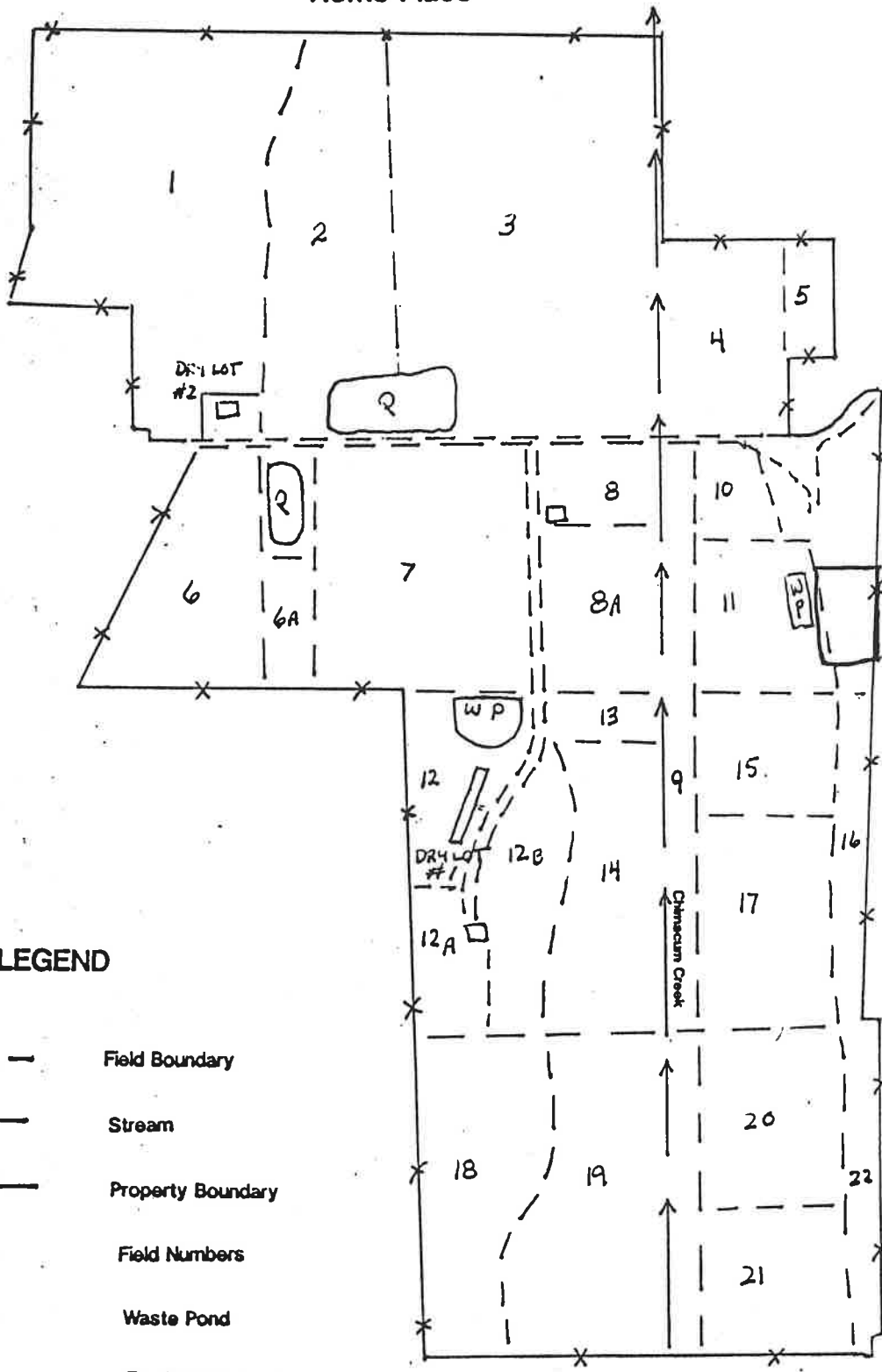
Yellow = concrete floor  
 Not to scale  
 All concrete drains to liquid manure pond



# FIELD MAP

Home Place

Valley View Dairy  
1594 Center Rd  
Chimacum, wa. 98325



Scale 1" = 660'

← Composting site

## LEGEND

- Field Boundary
- ← Stream
- x- Property Boundary
- 3 Field Numbers
- WP Waste Pond
- P Freshwater Pond



Roger Short

- registered Dairy

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Agricultural wastes: means wastes on farms resulting from the raising or growing of plants and animals including, but not limited to, crop residue, manure & animal bedding, and carcasses of dead animals weighing each or collectively in excess of 15 lbs.

leachate - means h<sub>2</sub>O or other liquid w/ in a SW handling unit that has contaminated by dissolved or suspended materials due to contact w/ SW or gases.



W/ Margie + Mike

Department of ecology website

- composting, - R. Short
- what he needs to do to get a permit
- Margie contact for meeting to come in + discuss what he needs to do to get a permit and be in compliance w/ regulations

---

does he use food waste - generated onsite  
w/ total vol. of containers less than  
 $10 \text{ yds}^3$

---

Compost feedstocks type 1 + 2 w/ vol.  ~~$40 \text{ yds}^3$~~   
on-site @ one time?  $< 250 \text{ yds}^3$

---

Agricultural waste offsite + used onsite

---

agricultural when sold to off site  
must  $> 40 \text{ yds}^3$   $< 250 \text{ yds}^3$

---

must

- Control nuisance odors
- prevent flies, rodents, + other vectors



Submit Annual reports <sup>if sent off-site</sup>  
by April 1<sup>st</sup> to Health Dept.

- A - Name + Address of facility
- B - Calendar year covered by report
- C - Annual quantity + type of feedstocks +  
compost produced - in tons
- D - Annual quantity of composted materials  
sold or distributed
- E - Results of analysis of composted  
materials required by subsection (1)(c)(v)  
of this section
- F - any additional info required by  
written notification of the department

allow site visits at reasonable times

analysis requirements 4(a) vii)



JEFFERSON COU  
DEPARTMENT OF COMMUNITY  
UNIFIED DEVELOPME  
LAND USE REVIE

11/12  
Someone dropped  
this off + said  
they thought it  
belonged to you  
de

APPLICANT: ROGER D SHORT  
1720 CENTER RD  
CHIMACUM WA 983259779

DATE ISSUED: November 4, 2003  
DATE EXPIRES:

MLA NUMBER: MLA03-00600

PROJECT PLANNER: K RUSSELL

**PROJECT DESCRIPTION:**

Take ground yard waste from PT Compost to use as bulking material for composting of dairy manure. There is no new or additional building, or concrete. No Jefferson County permit required.  
Consistency Review, no fees, see PRE03-00037

**PROJECT LOCATION:**

**FINDINGS:**

- 1.) The Administrator finds that this application complies with applicable provisions of the Unified Development Code, all other applicable ordinances and regulations, and is consistent with the Jefferson County Comprehensive Plan and Land Use map.
- 2.) The application was reviewed by the Jefferson County Department of Community Development staff on 11/03/03 for the potential presence of Environmentally Sensitive Areas (ESAs) under the provisions of the Unified Development Code (UDC). After an initial Geographic Information Systems mapping review and an investigative site inspection, the following ESAs were confirmed to be present on the subject property: Type III Stream, Wetlands, Landslide I (low), Floodplain, and Susceptible Aquifer Recharge Area.
- 3.) Susceptible Aquifer Recharge Areas are those with geologic and hydrologic conditions that promote rapid infiltration of recharge waters to groundwater aquifers.
- 4.) Aquifer Recharge Areas in Jefferson County are characterized by porous geological formations that allow percolation of the surface water into the soils and the underlying zone of saturation. Aquifers are geologic formations that contain sufficient saturated permeable material to yield significant quantities of water to wells and springs. Aquifers serve as the source of drinking water within most of the rural portions of Jefferson County.
- 5.) The proposal is located approximately 600-feet from the identified Type III stream.
- 6.) The proposal is in conjunction with existing and on-going activities associated with agriculture. The property is zoned AG-20 and is exempt from the wetland regulations pursuant to 3.6.9(c)(v) of the UDC.
- 7.) The parcel is located within a designated Floodplain. However, this activity will be located above the flood zone and within the existing improved area. The Jefferson County Flood Damage Prevention Ordinance (Ordinance No. 18-1120-95) describes duties of the responsible official. Section 4.201(11) allows the administrator to render interpretations of the floodplain's location. The new composting area will be sited entirely within the existing developed area.
- 8.) The property contains landslide hazard areas. However, no new structural development is taking place on the parcel. All existing structural development is already located on the property.
- 9.) Jefferson County determined that this proposal is categorically exempt from review under the State Environmental Policy Act (SEPA) pursuant to WAC 173-350-2201,b,ix.
- 10.) The site plan as submitted with the zoning application on 10/16/03 has been reviewed for consistency under the UDC, and has been approved by Jefferson County Department of Community Development. Any modifications, changes, and/or additions to the stamped, approved site plan dated 11/03/03 shall be resubmitted for review and approval by Jefferson County Department of Community Development.
- 11.) This approval is for composting. Any future permits on this site are subject to review for consistency with applicable codes and ordinances and does not preclude review and conditions which may be placed on future permits.
- 12.) This proposal has a compost plan drafted in accordance with WSU extension office. The plan has received



**JEFFERSON COUNTY  
DEPARTMENT OF COMMUNITY DEVELOPMENT  
UNIFIED DEVELOPMENT CODE  
LAND USE REVIEW**

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review under the Jefferson County Environmental Health Dept. and has been sent to DOE for approval.

**NOTICE:** This permit does not excuse the proponent from complying with other local, state, and federal ordinances, regulations, or statutes applicable to the proposed development.

Development pursuant to this permit shall be undertaken subject to the applicable development and performance standards of the Jefferson County Unified Development Code.

If during excavation or development of the site an area of potential archaeological significance is uncovered, all activity in the immediate area shall be halted, and the Administrator shall be notified at once.

The Federal Endangered Species Act rules to protect threatened Chinook and Summer-run Chum salmon became effective on January 8, 2001. Bull trout have been listed as threatened since early 2000. Under the ESA, any person may bring lawsuit against any individual or agency that "takes" listed species (defined as causing harm, harassing, or damaging habitat for the listed species). In addition, the National Marine Fisheries Service can levy penalties. All areas in Jefferson County are included as "critical habitat" for a listed species. Development of property along any marine shoreline, freshwater shoreline, or floodplains could harm habitat if protective measures are not taken. To minimize the potential to damage habitat, all property owners developing adjacent to marine shoreline, freshwater shoreline, or floodplains are advised to do the following:


- Set back buildings, utilities and roads as far as possible from surface waters (streams, rivers, lakes, marine waters), or at least 150 feet from the edge of the water
- All development activities should avoid unstable slopes, wetlands, and forested areas near surface waters
- Remove minimal vegetation for site development, especially large trees
- Allow trees that have fallen into surface waters to remain there
- Infiltrate stormwater from buildings and driveways onsite through drywells rather than discharging directly into surface waters or roadside ditches

Any individual, group, or agency can bring suit for a listed species "taking", even if you are in compliance with Jefferson County development codes. The risk of a lawsuit against you can be reduced by consulting with a professional fisheries habitat biologist, and following the recommendations for site development provided by the biologist. For more information, contact the National Marine Fisheries Service in Seattle at (206)526-6613, or the U.S. Fish and Wildlife Service at (503) 231-6121.

**APPEALS:**

Pursuant to RCW 36.70C, the applicant or any aggrieved party may appeal this final decision to Jefferson County Superior Court within twenty-one (21) calendar days of the date of issuance of this land use decision. For more information related to judicial appeals see UDC Section 8.5.2.

The Threshold Determination for this Type I Permit may not be appealed to the Hearing Examiner. For more information related to SEPA appeals see UDC Section 8.10.12.

 11/4/03  
\_\_\_\_\_  
UDC Administrator



Not drawn to Scale

OCT 16 2003

JEFFERSON COUNTY  
DEPT. OF COMMUNITY DEVELOPMENT

Center Road

1720  
center

100'

APPROVED  
SITE PLAN

NOV 3 2003

JEFFERSON COUNTY  
DEPT. OF COMMUNITY DEVELOPMENT  
SIGNATURE

ditch for storm water

House

calf shed

screen

finished  
product  
under  
roof

P.T.  
yard  
waste  
slab

compost-  
cooking  
slab

pre mix  
for compost  
slab

1594

main access

storm  
water

shop

Barn

shavings

finished  
product  
under  
roof

shed

slab

shed

shed

roof drains

Dairy milking parlor

dairy shed

manure  
storage

244,000 gallons  
manure lagoon  
certified by NRCS

Va lley View Dairy Compost  
Roger Short  
1720 Center Rd (mailing)  
1594 Center Rd (access)  
Chimacum, Wa 98325  
360-732 4601  
301-3521

Jefferson Co Tax Parcel 901 233 010

grass filter area

well 2000'

50'  
high flood water

600'  
creek

5" PVC  
pipeline  
to additional  
waste water  
storage (1200')

capacity 2,006,631 galls

Slope  
+ 50' from highway to creek



## Valley View Dairy Compost Plan

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Chimacum, Washington 98325  
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(cell) 301-3521

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3. Will follow procedure out lined in Washington Organic Recycling Council Compost Facility Operator Training Manual
4. Will maintain 131 degree for 14 days
5. Use a temperature probe
6. To much moisture in feedstock will be the major concern to overcome
7. Composting will take place on a concrete slab that drains to the dairy's present liquid manure storage. It will not be under a roof.
8. Finished compost will be stored under a roof of an un used dairy shed. Sheds drain to liquid manure storage

### Environmental Concerns

1. Water:
  - A. all roofs are guttered and drained away from building to a grass filter area
  - B. composting, screening, mixing, final storage and loading take place on concrete slabs that drain to the dairy liquid manure storage.
  - C. Chimacum creek is about 600 feet from composting area



2. Odor:
  - A. Non farm homes are not a concern. The nearest one is over 1/4 mile.
  - B. Highway is only 100 feet from feed stock holding area and is east of the composting site.
  - C. prevailing wind from South
  - D. Care will need to be taken to prevent anaerobic respiration because of wet material
  - E. Dairy manure and dairy feed waste are high Nitrogen which can cause Order under both aerobic conditions, and anaerobic conditions
3. Dust will be minimal
4. Nearest well is about 2000 feet
5. Creek is about 500 feet

### Size of Operation

Sales of aged manure is less then 500 yards per year. With having about 500 yards in the processing of the composting plan.

### Feed Stock

1. manure stored on dairy
1. bulking material about 500 yards at anytime

### Basis For Permit Exemption:

WAC 173-350-220 (composting facilities) "b" says, In accordance with RCW 70.95.305, the operation of the following activities in this subsection are subject solely to the requirements of (c) this subsection are exempt from solid waste handling permitting."

Solid waste handling permit exemption category is WAC 173-350-220, 1, b, ix, "Agriculture composting," when any of the finished product is used off site and meets the following requirements:

(A). more than 40 cubic yards, but less than 1000 cubic yards of agricultural waste is on site at any time; and (B) Agricultural composting is managed according to a farm management plan written in conjunction with a conservation district, a qualified engineer, or other agricultural professional able to certify that the plan meets applicable conservation practice standards in the Washington Field Office Technical Guide produced by NRCS

### Terms and Conditions to Maintain Exempt Status:

1. Comply with performance standards of WAC 173-350-040
2. Protect surface water and ground water through the use of best management practices and all known available and reasonable methods of prevention, control, and treatment as appropriate. This includes, but is not limited to, setbacks from



wells, surface waters, property lines, roads public access areas, and site- specific setback when appropriate.

3. Control nuisance orders to prevent migration beyond property boundaries.
4. Manage the operation to prevent attraction of flies, rodents, and other vectors
5. Conduct an annual analysis, prepared in accordance with requirements of subsection (4)(a)(viii)
6. Prepare and submit an annual report to the department and the jurisdictional health department by April 1<sup>st</sup> . The annual report shall be on forms supplied by the department and shall detail facility activities during the previous calendar year and shall include the following information.
  - a. Name and address of the facility;
  - b. calendar year covered by the report;
  - c. annual quantity and type of feed stocks received, and compost produced in tons.
  - d. Annual quantity of compost material sold or distributed, in tons
  - e. Results of the annual analysis
  - f. Any additional information required by written notification of the department;
7. Allow the department or the jurisdictional health department to inspect the site at reasonable times.
8. The department and jurisdictional health department shall be notified in writing thirty days prior to beginning any composting activity. Notification shall include name of owner or operator, location of compost operation and identification of feed stocks. Also include site plan, feed stocks, aeration process, operations plan, volumes and drainage.

Analyze composted material for ( section 4.a.viii.)

- A. Metals in Table A at the minimum frequency listed in Table C. Compost facilities composting only type 1 and type 2 feedstocks are not required to test for molybdenum and selenium. Testing frequency is based on the feedstock type and the volume of feedstocks processed per year;
- B. Parameters in table B at the minimum frequency listed in Table C. Testing frequency is based on the feedstock type and the volume of feedstocks processed per year;
- C. Nitrogen content at the minimum frequency listed in Table C and;
- D. Biological stability as outlined in United states composting Council Test Methods for the Examination of Composting and compost at the minimum frequency listed in Table C
- E. The jurisdictional health department may require testing of additional metal or contaminants, and /or modify the frequency of testing based on historical data for a particular facility, to appropriately evaluate the composed material.



# Valley View Dairy Compost

center Road

Yellow = concrete  
 Not to scale  
 All concrete drains to liquid manure pond

Screen

peat  
 manure  
 1/2 1/2

income yard waste silo  
 34' 110'

64' 36' 40'  
 Silo Compost (cooking)  
 Silo Solid manure Storage  
 concrete Slab

drain to liquid manure pond

Compost - finished  
 Shed

drain to liquid pond manure

Shed

Shed

drain to manure storage pond liquid

Creek is about 500' west of liquid storage

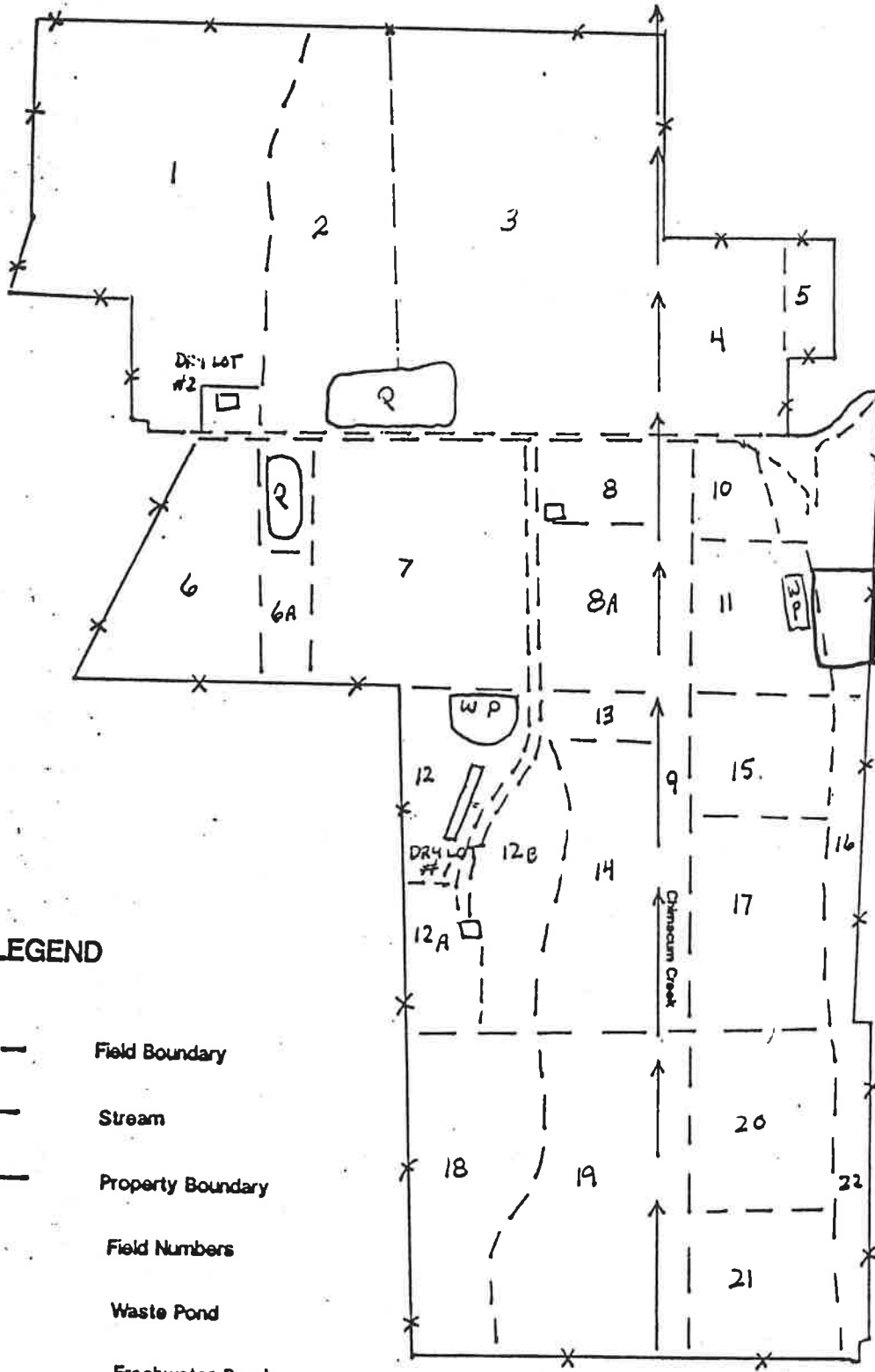
Office  
 Old Barn  
 Shavings



# FIELD MAP

Home Place

Valley View Dairy  
1594 Center Rd  
Chimacum, WA. 98325



Scale 1" = 660'

← Composting site

## LEGEND

- Field Boundary
- ← Stream
- x- Property Boundary
- 3 Field Numbers
- WP Waste Pond
- P Freshwater Pond



**JEFFERSON COUNTY  
DEPARTMENT OF COMMUNITY DEVELOPMENT  
UNIFIED DEVELOPMENT CODE  
LAND USE REVIEW**

**APPLICANT:** ROGER D SHORT  
1720 CENTER RD  
CHIMACUM WA 983259779

**DATE ISSUED:** November 4, 2003  
**DATE EXPIRES:**

**MLA NUMBER:** MLA03-00600

**PROJECT PLANNER:** K RUSSELL

**PROJECT DESCRIPTION:**

Take ground yard waste from PT Compost to use as bulking material for composting of dairy manure. There is no new or additional building, or concrete. No Jefferson County permit required. Consistency Review, no fees, see PRE03-00037

**PROJECT LOCATION:**

**FINDINGS:**

- 1.) The Administrator finds that this application complies with applicable provisions of the Unified Development Code, all other applicable ordinances and regulations, and is consistent with the Jefferson County Comprehensive Plan and Land Use map.
- 2.) The application was reviewed by the Jefferson County Department of Community Development staff on 11/03/03 for the potential presence of Environmentally Sensitive Areas (ESAs) under the provisions of the Unified Development Code (UDC). After an initial Geographic Information Systems mapping review and an investigative site inspection, the following ESAs were confirmed to be present on the subject property: Type III Stream, Wetlands, Landslide I (low), Floodplain, and Susceptible Aquifer Recharge Area.
- 3.) Susceptible Aquifer Recharge Areas are those with geologic and hydrologic conditions that promote rapid infiltration of recharge waters to groundwater aquifers.
- 4.) Aquifer Recharge Areas in Jefferson County are characterized by porous geological formations that allow percolation of the surface water into the soils and the underlying zone of saturation. Aquifers are geologic formations that contain sufficient saturated permeable material to yield significant quantities of water to wells and springs. Aquifers serve as the source of drinking water within most of the rural portions of Jefferson County.
- 5.) The proposal is located approximately 600-feet from the identified Type III stream.
- 6.) The proposal is in conjunction with existing and on-going activities associated with agriculture. The property is zoned AG-20 and is exempt from the wetland regulations pursuant to 3.6.9(c)(v) of the UDC.
- 7.) The parcel is located within a designated Floodplain. However, this activity will be located above the flood zone and within the existing improved area. The Jefferson County Flood Damage Prevention Ordinance (Ordinance No. 18-1120-95) describes duties of the responsible official. Section 4.201(11) allows the administrator to render interpretations of the floodplain's location. The new composting area will be sited entirely within the existing developed area.
- 8.) The property contains landslide hazard areas. However, no new structural development is taking place on the parcel. All existing structural development is already located on the property.
- 9.) Jefferson County determined that this proposal is categorically exempt from review under the State Environmental Policy Act (SEPA) pursuant to WAC 173-350-220I,b,ix.
- 10.) The site plan as submitted with the zoning application on 10/16/03 has been reviewed for consistency under the UDC, and has been approved by Jefferson County Department of Community Development. Any modifications, changes, and/or additions to the stamped, approved site plan dated 11/03/03 shall be resubmitted for review and approval by Jefferson County Department of Community Development.
- 11.) This approval is for composting. Any future permits on this site are subject to review for consistency with applicable codes and ordinances and does not preclude review and conditions which may be placed on future permits.
- 12.) This proposal has a compost plan drafted in accordance with WSU extension office. The plan has received



review under the Jefferson County Environmental Health Dept. and has been sent to DOE for approval.

**NOTICE:** This permit does not excuse the proponent from complying with other local, state, and federal ordinances, regulations, or statutes applicable to the proposed development.

Development pursuant to this permit shall be undertaken subject to the applicable development and performance standards of the Jefferson County Unified Development Code.

If during excavation or development of the site an area of potential archaeological significance is uncovered, all activity in the immediate area shall be halted, and the Administrator shall be notified at once.

The Federal Endangered Species Act rules to protect threatened Chinook and Summer-run Chum salmon became effective on January 8, 2001. Bull trout have been listed as threatened since early 2000. Under the ESA, any person may bring lawsuit against any individual or agency that "takes" listed species (defined as causing harm, harassing, or damaging habitat for the listed species). In addition, the National Marine Fisheries Service can levy penalties. All areas in Jefferson County are included as "critical habitat" for a listed species. Development of property along any marine shoreline, freshwater shoreline, or floodplains could harm habitat if protective measures are not taken. To minimize the potential to damage habitat, all property owners developing adjacent to marine shoreline, freshwater shoreline, or floodplains are advised to do the following:

- Set back buildings, utilities and roads as far as possible from surface waters (streams, rivers, lakes, marine waters), or at least 150 feet from the edge of the water
- All development activities should avoid unstable slopes, wetlands, and forested areas near surface waters
- Remove minimal vegetation for site development, especially large trees
- Allow trees that have fallen into surface waters to remain there
- Infiltrate stormwater from buildings and driveways onsite through drywells rather than discharging directly into surface waters or roadside ditches

Any individual, group, or agency can bring suit for a listed species "taking", even if you are in compliance with Jefferson County development codes. The risk of a lawsuit against you can be reduced by consulting with a professional fisheries habitat biologist, and following the recommendations for site development provided by the biologist. For more information, contact the National Marine Fisheries Service in Seattle at (206)526-6613, or the U.S. Fish and Wildlife Service at (503) 231-6121.

#### **APPEALS:**

Pursuant to RCW 36.70C, the applicant or any aggrieved party may appeal this final decision to Jefferson County Superior Court within twenty-one (21) calendar days of the date of issuance of this land use decision. For more information related to judicial appeals see UDC Section 8.5.2.

The Threshold Determination for this Type I Permit may not be appealed to the Hearing Examiner. For more information related to SEPA appeals see UDC Section 8.10.12.

  
UDC Administrator

11/4/03



Valley View Dairy Compost Plan  
Roger & Sandy Short  
1720 Center Rd  
1594 Center Rd. facility entrance  
Chimacum, Washington 98325  
(360) 732-4601  
732-7255 Fax  
301-3521 Cell

### History of Dairy

**1970** Roger Purchased dairy from father

**1970-March 2003** Milked up to 320 head of Holstein cows plus 300 in young stock, farmed about 500 acres ½ owned and ½ leased

**2002** Adopted and certified state "Dairy Nutrient Plan"

**March 2003** sold milking herd because of depressed milk priced kept 200 heifers retain all acreage to raise hay to sell

### History of Peat Soil and manure sales

In 1998 I started helping my father with his business and deliveries.

2003 took over business about \$40,000 annual sales

### Compost Training

Roger attended compost facility operator Training in April of 2003. It was sponsored by Washington Organic Recycling Council and held at WSU Puyallup Research and Extension. Learned a lot, I made contact with Peter Moon, a nationally know composting consultant. Peter's address 127 Ave A suite 2D, Snohomish, WA 98290.360-563-6709, 800-611-3718, Fax 360-563-5190. Peter has been retained for consulting at a cost of \$480.

### Compost Plan- Raw materials Feed stock



1. Use manure from heifer operation
2. Use manure from restarting smaller dairy herd
3. Waste feed
4. Dairy bedding - shavings
5. Ground yard waste from Port Townsend compost to use as bulking material
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  - E. Dairy manure and dairy feed waste are high Nitrogen which can cause aerobic conditions.
- 3. Dust will be minimal
  - 4. Nearest well is about 2000 feet
  - 5. Creed is about 500 feet

### Size of Operation

- 1. About ½ the business will be peat soil, sold separately and with mixes of manure and or compost
- 2. Sales of peat is about 1000 yards per year ( Includes peat used in mixes).
- 3. Sales of aged manure has been less then 500 yards per year
- 4. About 500 yards would be composting at one time
- 5. Feed stock
  - A. manure stored on dairy
  - B. bulking material about 500 yards at any one time

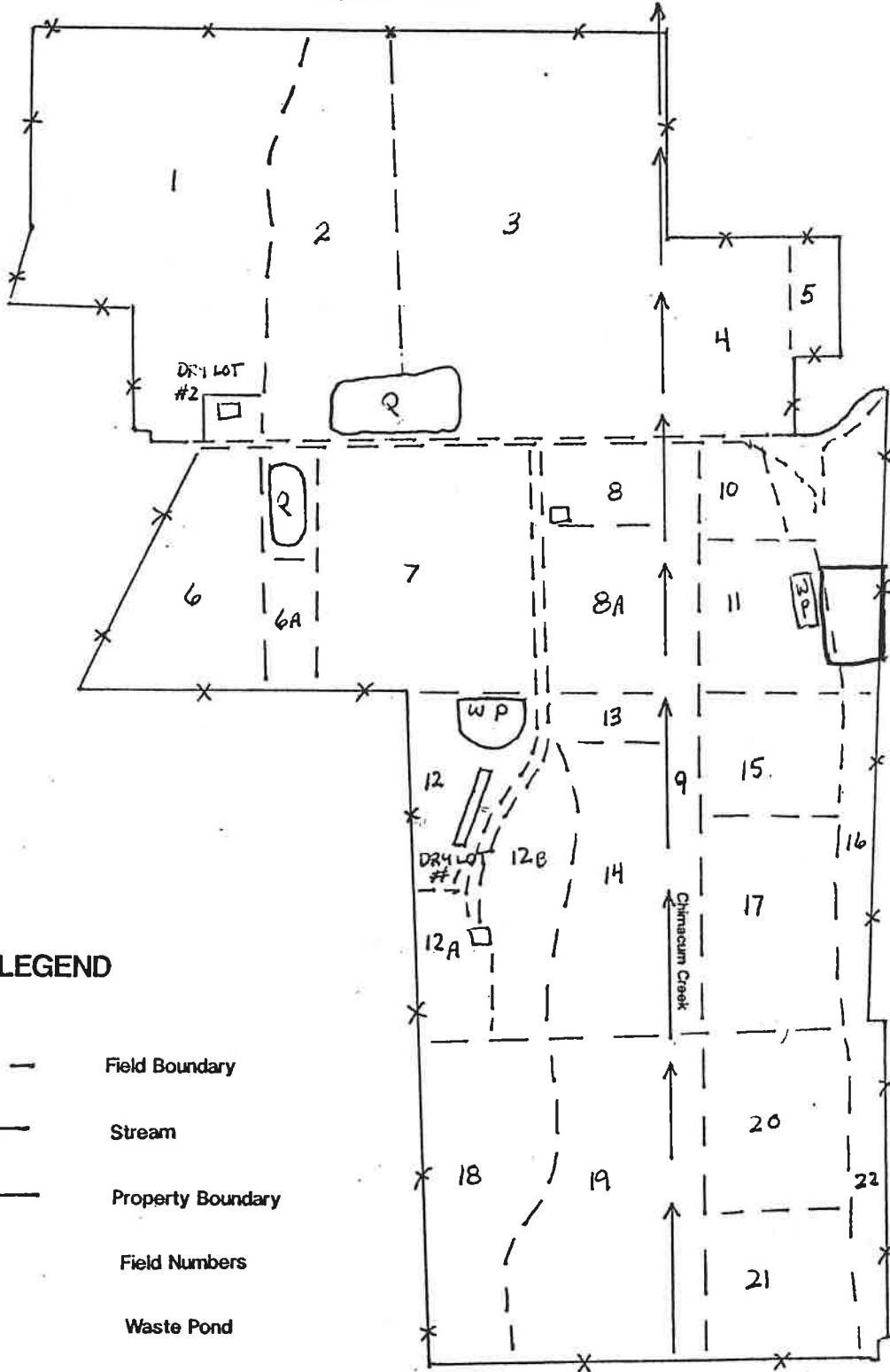
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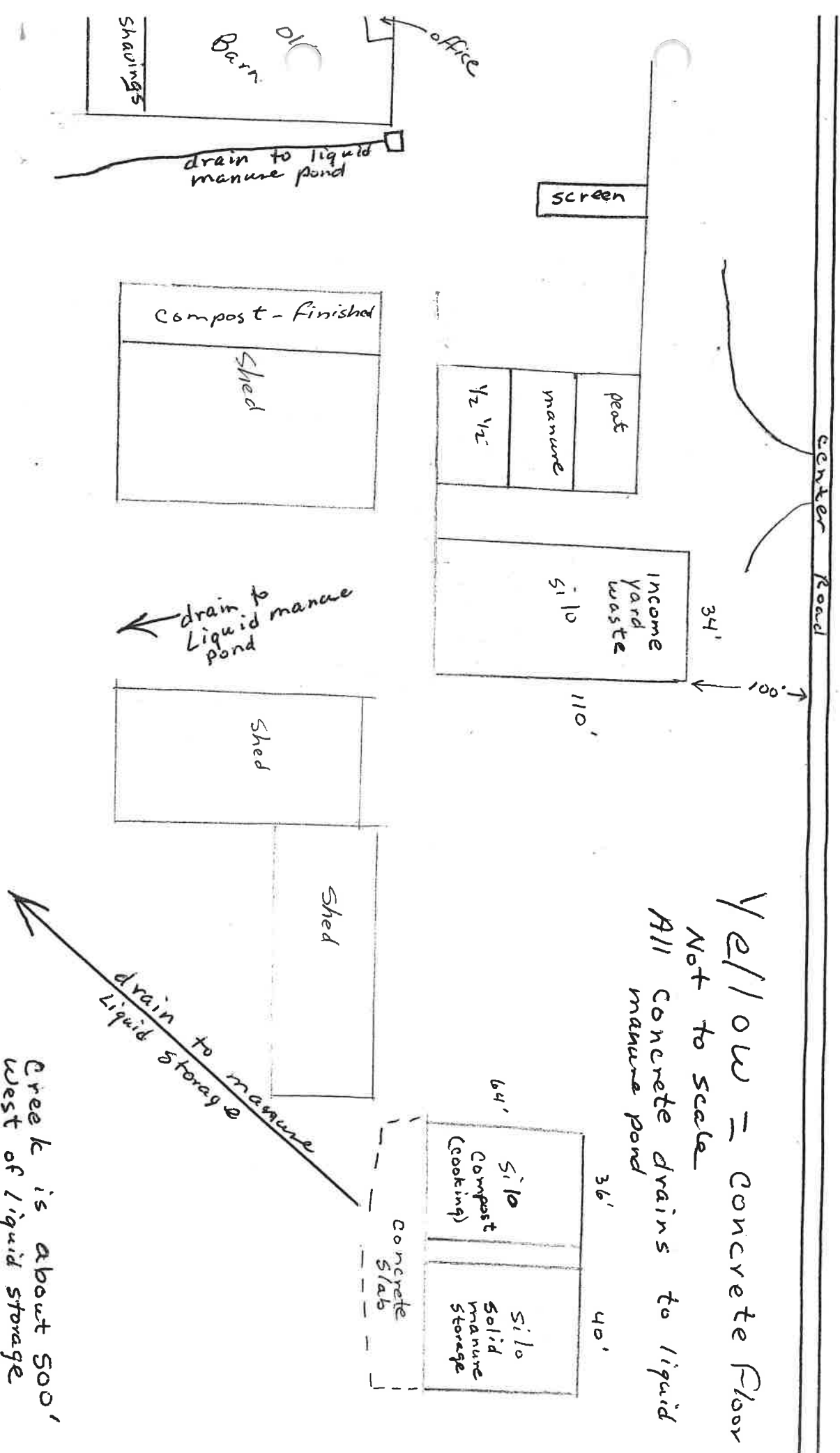
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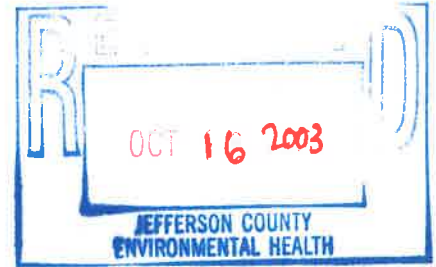
# Valley View Dairy Compost



Yellow = concrete floor  
 Not to scale  
 All concrete drains to liquid manure pond



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  - A. manure stored on dairy
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### Basis For Permit Exemption:

WAC 173-350-220 (composting facilities) "b" says, In accordance with RCW 70.95.305, the operation of the following activities in this subsection are subject solely to the requirements of (c) of this subsection and are exempt from solid waste handling permitting."

Solid waste handling permit exemption category is WAC 173-350-220, l, b, ix, <sup>427</sup>

"Agriculture composting," when any of the finished product is used off site and meets the following requirements:

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Washington Field Office Technical Guide produced by NRCS

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  - c. annual quantity and type of feed stocks received, and compost produced, in tons.
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Analyze composted material for ( section 4.a.viii.)

- A. Metals in Table A at the minimum frequency listed in Table C. Compost facilities composting only type 1 and type 2 feedstocks are not required to test for molybdenum and selenium. Testing frequency is based on the feedstock type and the volume of feedstocks processed per year;
- B. Parameters in table B at the minimum frequency listed in Table C. testing frequency is based on the feedstock type and the volume of feedstocks processed per year;



- C. Nitrogen content at the minimum frequency listed in Table C and;
- D. Biological stability as outlined in United states composting Council Test Methods for the Examination of Composting and compost at the minimum frequency listed in Table C
- E. The jurisdictional health department may require testing of additional metal or contaminates, and /or modify the frequency of testing based on historical data for a particular facility, to appropriately evaluate the composed material.



**Table A – Metals**

<b>Metal</b>	<b>Limit (mg/kg dry weight)</b>
Arsenic	< = 20 ppm
Cadmium	< = 10 ppm
Copper	< = 750 ppm
Lead	< = 150 ppm
Mercury	< = 8 ppm
Molybdenum <sup>1</sup>	< = 9 ppm
Nickel	< = 210 ppm
Selenium <sup>1</sup>	< = 18 ppm
Zinc	< = 1400 ppm

<sup>1</sup> Not required for composted material made from Type 1, Type 2 or a mixture of Type 1 and Type 2 feedstocks.

**Table B – Other Testing Parameters**

<b>Parameter</b>	<b>Limit</b>
Manufactured Inerts	< 1 %
Sharps	0
pH	5 – 10 (range)
Fecal coliform	< 1,000 Most Probable Number per gram of total solids (dry weight)
Salmonella	< 3 Most Probable Number per 4 grams of total solids (dry weight)

**Table C – Frequency of Testing Based on Feedstocks Received**

<b>Feedstock Type</b>	<b>&lt;5000 cubic yards</b>	<b>= or &gt; 5000 cubic yards</b>
Type 1 Or Type 2	Once per year	Every 10,000 cubic yards or every six months whichever is more frequent
Type 3	Once per quarter (four times per year)	Every 5,000 cubic yards or every other month whichever is more frequent
Type 4	Every 1,000 cubic yards	Every 1,000 cubic yards or once per month whichever is more frequent



File Original and First Copy with  
Department of EcologySecond Copy—Owner's Copy  
Third Copy—Driller's Copy**WATER WELL REPORT**

STATE OF WASHINGTON

Start Card No.

062650

Water Right Permit No.

(1) OWNER: Name ROGER SHARTAddress 1320 CENTRAL CHIMACUM RD(2) LOCATION OF WELL: County JEFFSE 1/4 SE 1/4 Sec 22 T. 29 N. R. 1 W.M.(2a) STREET ADDRESS OF WELL (or nearest address) Same(3) PROPOSED USE: ☒ Domestic ☐ Industrial ☐ Municipal ☐  
☒ Irrigation ☐ Test Well ☐ Other ☐  
☐ DeWaterSTANDBY(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 60 feet. Depth of completed well 60 ft.

## (6) CONSTRUCTION DETAILS:

Casing installed: 50 \* 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 Port Liner 4 1/2 PVC

SIZE of perforations \_\_\_\_\_ in. by \_\_\_\_\_ in.

\_\_\_\_\_ perforations from 50 ft. to 60 ft.

\_\_\_\_\_ perforations from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

\_\_\_\_\_ perforations from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Screens: Yes ☐ No ☐

Manufacturer's Name \_\_\_\_\_

Type \_\_\_\_\_ Model No. \_\_\_\_\_

Diam. \_\_\_\_\_ Slot size \_\_\_\_\_ from \_\_\_\_\_ ft. to \_\_\_\_\_ 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 BONTONITEDid 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 5 ft. below top of well Date 6-24-91

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 50+ gal./min. with 0 ft. drawdown after 2 hrs.

Airstest \_\_\_\_\_ 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
PEAT	0	4
SAND	4	8
COM SAND	8	35
W/B SAND	35	37
COM SAND	37	39
W/B SAND	39	40
COM SAND	40	42
BLK CLAY	42	53
W/B CLAY	53	60

Work started 6-13-91, 19. Completed 6-24, 19 91

## 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 HANCOCK WELL DRILLING  
(PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)Address 26 BOURBONLANE PORTLAND(Signed) MAURICE HANCOCK License No. 0204  
(WELL DRILLER)Contractor's  
Registration  
No. HANCOCK 0110ND Date 6-24-91, 19

(USE ADDITIONAL SHEETS IF NECESSARY)





United States  
Department of  
Agriculture

**NRCS**

Natural  
Resources  
Conservation  
Service

A product of the National  
Cooperative Soil Survey,  
a joint effort of the United  
States Department of  
Agriculture and other  
Federal agencies, State  
agencies including the  
Agricultural Experiment  
Stations, and local  
participants

# Custom Soil Resource Report for **Jefferson County Area, Washington**



November 30, 2022



# Preface

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Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<https://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist ([http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2\\_053951](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951)).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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# How Soil Surveys Are Made

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Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil



scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and



## Custom Soil Resource Report

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.



# Soil Map

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The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.



## 122° 45' 58" W




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## Custom Soil Resource Report

### MAP LEGEND

#### Area of Interest (AOI)

 Area of Interest (AOI)

#### Soils


 Soil Map Unit Polygons


 Soil Map Unit Lines


 Soil Map Unit Points

#### Special Point Features

 Blowout

 Borrow Pit


 Clay Spot

 Closed Depression

 Gravel Pit

 Gravelly Spot

 Landfill

 Lava Flow

 Marsh or swamp

 Mine or Quarry

 Miscellaneous Water


 Perennial Water

 Rock Outcrop

 Saline Spot

 Sandy Spot

 Severely Eroded Spot


 Sinkhole


 Slide or Slip


 Sodic Spot

 Spoil Area

 Stony Spot


 Very Stony Spot

 Wet Spot

 Other

 Special Line Features

#### Water Features

 Streams and Canals


#### Transportation

 Rails


 Interstate Highways

 US Routes

 Major Roads

 Local Roads

#### Background

 Aerial Photography

### MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Jefferson County Area, Washington

Survey Area Data: Version 21, Sep 8, 2022

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Nov 21, 2021—Nov 29, 2021

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.



## Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
AIC	Alderwood gravelly sandy loam, 0 to 15 percent slopes	65.3	8.7%
AID	Alderwood gravelly sandy loam, 15 to 30 percent slopes	14.1	1.9%
Bk	Belfast silt loam, wet variant	5.9	0.8%
CeB	Casey silt loam, 0 to 8 percent slopes	2.3	0.3%
CfC	Cassolary sandy loam, 0 to 15 percent slopes	8.3	1.1%
CfD	Cassolary sandy loam, 15 to 30 percent slopes	1.4	0.2%
CfE	Cassolary sandy loam, 30 to 50 percent slopes	0.0	0.0%
ChC	Cassolary-Everett complex, 0 to 15 percent slopes	10.1	1.4%
ChD	Cassolary-Everett complex, 15 to 30 percent slopes	9.4	1.3%
EvC	Everett gravelly sandy loam, 0 to 15 percent slopes	93.5	12.5%
KsD	Kitsap gravelly loam, 15 to 30 percent slopes	67.3	9.0%
KtD	Kitsap silt loam, 15 to 30 percent slopes	25.4	3.4%
Mm	McMurray and Mukilteo peats	5.2	0.7%
Se	Semiahmoo muck	182.8	24.4%
Sh	Semiahmoo muck, moderately shallow variant	32.5	4.3%
SnC	Sinclair gravelly sandy loam, 0 to 15 percent slopes	55.0	7.3%
SnD	Sinclair gravelly sandy loam, 15 to 30 percent slopes	4.5	0.6%
So	Snohomish silty clay loam	15.4	2.1%
StB	Swantown gravelly sandy loam, 0 to 8 percent slopes	123.9	16.6%
SuB	Swantown gravelly loam, 0 to 8 percent slopes	12.9	1.7%
Th	Tisch silt loam	13.1	1.8%
<b>Totals for Area of Interest</b>		<b>748.5</b>	<b>100.0%</b>



## Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas



shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.



## Jefferson County Area, Washington

### AIC—Alderwood gravelly sandy loam, 0 to 15 percent slopes

#### Map Unit Setting

*National map unit symbol:* 2gpl

*Elevation:* 50 to 800 feet

*Mean annual precipitation:* 25 to 60 inches

*Mean annual air temperature:* 48 to 52 degrees F

*Frost-free period:* 180 to 220 days

*Farmland classification:* Farmland of statewide importance

#### Map Unit Composition

*Alderwood and similar soils:* 100 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Alderwood

##### Setting

*Landform:* Terraces

*Parent material:* Basal till with a component of volcanic ash in the upper part

##### Typical profile

*H1 - 0 to 3 inches:* gravelly sandy loam

*H2 - 3 to 30 inches:* very gravelly loam

*H3 - 30 to 60 inches:* gravelly sandy loam

##### Properties and qualities

*Slope:* 0 to 15 percent

*Depth to restrictive feature:* 20 to 40 inches to densic material

*Drainage class:* Moderately well drained

*Capacity of the most limiting layer to transmit water (Ksat):* Very low to moderately low (0.00 to 0.06 in/hr)

*Depth to water table:* About 18 to 36 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Available water supply, 0 to 60 inches:* Very low (about 2.5 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 4s

*Hydrologic Soil Group:* B

*Ecological site:* F002XA004WA - Puget Lowlands Forest

*Forage suitability group:* Limited Depth Soils (G002XN302WA)

*Other vegetative classification:* Limited Depth Soils (G002XN302WA)

*Hydric soil rating:* No

### AID—Alderwood gravelly sandy loam, 15 to 30 percent slopes

#### Map Unit Setting

*National map unit symbol:* 2t627



## Custom Soil Resource Report

*Elevation:* 0 to 1,000 feet

*Mean annual precipitation:* 25 to 60 inches

*Mean annual air temperature:* 46 to 52 degrees F

*Frost-free period:* 160 to 240 days

*Farmland classification:* Farmland of statewide importance

### Map Unit Composition

*Alderwood and similar soils:* 85 percent

*Minor components:* 15 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Alderwood

#### Setting

*Landform:* Ridges, hills

*Landform position (two-dimensional):* Backslope

*Landform position (three-dimensional):* Side slope, nose slope, talf

*Down-slope shape:* Linear, convex

*Across-slope shape:* Convex

*Parent material:* Glacial drift and/or glacial outwash over dense glaciomarine deposits

#### Typical profile

*A - 0 to 7 inches:* gravelly sandy loam

*Bw1 - 7 to 21 inches:* very gravelly sandy loam

*Bw2 - 21 to 30 inches:* very gravelly sandy loam

*Bg - 30 to 35 inches:* very gravelly sandy loam

*2Cd1 - 35 to 43 inches:* very gravelly sandy loam

*2Cd2 - 43 to 59 inches:* very gravelly sandy loam

#### Properties and qualities

*Slope:* 15 to 30 percent

*Depth to restrictive feature:* 20 to 39 inches to densic material

*Drainage class:* Moderately well drained

*Capacity of the most limiting layer to transmit water (Ksat):* Very low to moderately low (0.00 to 0.06 in/hr)

*Depth to water table:* About 18 to 37 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Available water supply, 0 to 60 inches:* Very low (about 2.7 inches)

#### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 4e

*Hydrologic Soil Group:* B

*Ecological site:* F002XA004WA - Puget Lowlands Forest

*Forage suitability group:* Limited Depth Soils (G002XS301WA), Limited Depth Soils (G002XF303WA), Limited Depth Soils (G002XN302WA)

*Other vegetative classification:* Limited Depth Soils (G002XS301WA), Limited Depth Soils (G002XF303WA), Limited Depth Soils (G002XN302WA)

*Hydric soil rating:* No

### Minor Components

#### Indianola

*Percent of map unit:* 5 percent

*Landform:* Eskers, kames, terraces



## Custom Soil Resource Report

*Landform position (three-dimensional):* Tread  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Hydric soil rating:* No

### **Everett**

*Percent of map unit:* 5 percent  
*Landform:* Kames, eskers, moraines  
*Landform position (two-dimensional):* Backslope  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Convex  
*Hydric soil rating:* No

### **Shalcar**

*Percent of map unit:* 3 percent  
*Landform:* Depressions  
*Landform position (three-dimensional):* Dip  
*Down-slope shape:* Concave  
*Across-slope shape:* Concave  
*Hydric soil rating:* Yes

### **Norma**

*Percent of map unit:* 2 percent  
*Landform:* Depressions, drainageways  
*Landform position (three-dimensional):* Dip  
*Down-slope shape:* Concave, linear  
*Across-slope shape:* Concave  
*Hydric soil rating:* Yes

## **Bk—Belfast silt loam, wet variant**

### **Map Unit Setting**

*National map unit symbol:* 2gq1  
*Elevation:* 30 to 980 feet  
*Mean annual precipitation:* 50 to 70 inches  
*Mean annual air temperature:* 50 degrees F  
*Frost-free period:* 170 days  
*Farmland classification:* Prime farmland if drained

### **Map Unit Composition**

*Belfast variant, wet, and similar soils:* 95 percent  
*Minor components:* 5 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Belfast Variant, Wet**

#### **Setting**

*Landform:* Flood plains  
*Parent material:* Alluvium



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### Typical profile

*H1 - 0 to 9 inches:* silt loam  
*H2 - 9 to 20 inches:* silt loam  
*H3 - 20 to 60 inches:* stratified gravelly fine sandy loam to clay loam

### Properties and qualities

*Slope:* 1 to 2 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Poorly drained  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high (0.20 to 0.57 in/hr)  
*Depth to water table:* About 6 to 12 inches  
*Frequency of flooding:* NoneOccasional  
*Frequency of ponding:* None  
*Available water supply, 0 to 60 inches:* High (about 10.3 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 5w  
*Hydrologic Soil Group:* C/D  
*Ecological site:* F001XC001OR - Mesic Udic Riparian Forest  
*Forage suitability group:* Wet Soils (G002XN102WA)  
*Other vegetative classification:* Wet Soils (G002XN102WA)  
*Hydric soil rating:* Yes

### Minor Components

#### Belfast

*Percent of map unit:* 5 percent  
*Hydric soil rating:* No

## CeB—Casey silt loam, 0 to 8 percent slopes

### Map Unit Setting

*National map unit symbol:* 2gq9  
*Elevation:* 0 to 390 feet  
*Mean annual precipitation:* 30 inches  
*Mean annual air temperature:* 45 degrees F  
*Frost-free period:* 60 to 200 days  
*Farmland classification:* Prime farmland if drained

### Map Unit Composition

*Casey and similar soils:* 100 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Casey

#### Setting

*Landform:* Terraces  
*Parent material:* Glacio lacustrine deposits and/or marine deposits



**Typical profile**

*H1 - 0 to 17 inches: silt loam*  
*H2 - 17 to 33 inches: clay*  
*H3 - 33 to 60 inches: stratified loamy fine sand to clay*

**Properties and qualities**

*Slope: 0 to 8 percent*  
*Depth to restrictive feature: More than 80 inches*  
*Drainage class: Poorly drained*  
*Capacity of the most limiting layer to transmit water (Ksat): Very low (0.00 in/hr)*  
*Depth to water table: About 6 to 16 inches*  
*Frequency of flooding: None*  
*Frequency of ponding: None*  
*Available water supply, 0 to 60 inches: High (about 9.7 inches)*

**Interpretive groups**

*Land capability classification (irrigated): None specified*  
*Land capability classification (nonirrigated): 6w*  
*Hydrologic Soil Group: D*  
*Ecological site: F002XA007WA - Puget Lowlands Wet Forest*  
*Forage suitability group: Seasonally Wet Soils (G002XN202WA)*  
*Other vegetative classification: Seasonally Wet Soils (G002XN202WA)*  
*Hydric soil rating: Yes*

**CfC—Cassolary sandy loam, 0 to 15 percent slopes**

**Map Unit Setting**

*National map unit symbol: 2gqb*  
*Elevation: 50 to 500 feet*  
*Mean annual precipitation: 16 to 30 inches*  
*Mean annual air temperature: 48 to 50 degrees F*  
*Frost-free period: 160 to 200 days*  
*Farmland classification: Farmland of statewide importance*

**Map Unit Composition**

*Cassolary and similar soils: 100 percent*  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

**Description of Cassolary**

**Setting**

*Landform: Terraces*  
*Parent material: Glacial drift and/or marine deposits*

**Typical profile**

*H1 - 0 to 3 inches: sandy loam*  
*H2 - 3 to 23 inches: sandy loam*  
*H3 - 23 to 49 inches: stratified fine sandy loam to silty clay loam*  
*H4 - 49 to 60 inches: sand*

**Properties and qualities**

*Slope: 0 to 15 percent*



## Custom Soil Resource Report

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Well drained

*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high (0.20 to 0.57 in/hr)

*Depth to water table:* About 20 to 32 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Available water supply, 0 to 60 inches:* Moderate (about 8.5 inches)

### Interpretive groups

*Land capability classification (irrigated):* 3e

*Land capability classification (nonirrigated):* 3e

*Hydrologic Soil Group:* C

*Ecological site:* F002XA004WA - Puget Lowlands Forest

*Forage suitability group:* Soils with Few Limitations (G002XN502WA)

*Other vegetative classification:* Soils with Few Limitations (G002XN502WA)

*Hydric soil rating:* No

## CfD—Cassolary sandy loam, 15 to 30 percent slopes

### Map Unit Setting

*National map unit symbol:* 2gqc

*Elevation:* 50 to 500 feet

*Mean annual precipitation:* 16 to 30 inches

*Mean annual air temperature:* 48 to 50 degrees F

*Frost-free period:* 160 to 200 days

*Farmland classification:* Farmland of statewide importance

### Map Unit Composition

*Cassolary and similar soils:* 100 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Cassolary

#### Setting

*Landform:* Terraces

*Parent material:* Glacial drift and/or marine deposits

#### Typical profile

*H1 - 0 to 3 inches:* sandy loam

*H2 - 3 to 23 inches:* sandy loam

*H3 - 23 to 49 inches:* stratified fine sandy loam to silty clay loam

*H4 - 49 to 60 inches:* sand

#### Properties and qualities

*Slope:* 15 to 30 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Well drained

*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high (0.20 to 0.57 in/hr)

*Depth to water table:* About 20 to 32 inches

*Frequency of flooding:* None



## Custom Soil Resource Report

*Frequency of ponding:* None

*Available water supply, 0 to 60 inches:* Moderate (about 8.5 inches)

### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 4e

*Hydrologic Soil Group:* C

*Ecological site:* F002XA004WA - Puget Lowlands Forest

*Forage suitability group:* Sloping to Steep Soils (G002XN702WA)

*Other vegetative classification:* Sloping to Steep Soils (G002XN702WA)

*Hydric soil rating:* No

## **CfE—Cassolary sandy loam, 30 to 50 percent slopes**

### **Map Unit Setting**

*National map unit symbol:* 2gqd

*Elevation:* 50 to 500 feet

*Mean annual precipitation:* 16 to 30 inches

*Mean annual air temperature:* 48 to 50 degrees F

*Frost-free period:* 160 to 200 days

*Farmland classification:* Not prime farmland

### **Map Unit Composition**

*Cassolary and similar soils:* 100 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Cassolary**

#### **Setting**

*Landform:* Terraces

*Parent material:* Glacial drift and/or marine deposits

#### **Typical profile**

*H1 - 0 to 3 inches:* sandy loam

*H2 - 3 to 23 inches:* sandy loam

*H3 - 23 to 49 inches:* stratified fine sandy loam to silty clay loam

*H4 - 49 to 60 inches:* sand

#### **Properties and qualities**

*Slope:* 30 to 50 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Well drained

*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high (0.20 to 0.57 in/hr)

*Depth to water table:* About 20 to 32 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Available water supply, 0 to 60 inches:* Moderate (about 8.5 inches)

### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 7e

*Hydrologic Soil Group:* C



## Custom Soil Resource Report

*Ecological site:* F002XA004WA - Puget Lowlands Forest

*Hydric soil rating:* No

### **ChC—Cassolary-Everett complex, 0 to 15 percent slopes**

#### **Map Unit Setting**

*National map unit symbol:* 2gqf

*Elevation:* 50 to 500 feet

*Mean annual precipitation:* 16 to 45 inches

*Mean annual air temperature:* 48 to 50 degrees F

*Frost-free period:* 160 to 200 days

*Farmland classification:* Farmland of statewide importance

#### **Map Unit Composition**

*Cassolary and similar soils:* 60 percent

*Everett and similar soils:* 35 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### **Description of Cassolary**

##### **Setting**

*Landform:* Terraces

*Parent material:* Glacial drift and/or marine deposits

##### **Typical profile**

*H1 - 0 to 3 inches:* sandy loam

*H2 - 3 to 23 inches:* sandy loam

*H3 - 23 to 49 inches:* stratified fine sandy loam to silty clay loam

*H4 - 49 to 60 inches:* sand

##### **Properties and qualities**

*Slope:* 0 to 15 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Well drained

*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high (0.20 to 0.57 in/hr)

*Depth to water table:* About 20 to 32 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Available water supply, 0 to 60 inches:* Moderate (about 8.5 inches)

##### **Interpretive groups**

*Land capability classification (irrigated):* 3e

*Land capability classification (nonirrigated):* 3e

*Hydrologic Soil Group:* C

*Ecological site:* F002XA004WA - Puget Lowlands Forest

*Forage suitability group:* Soils with Few Limitations (G002XN502WA)

*Other vegetative classification:* Soils with Few Limitations (G002XN502WA)

*Hydric soil rating:* No



## **Description of Everett**

### **Setting**

*Landform:* Terraces

*Parent material:* Glacial outwash

### **Typical profile**

*H1 - 0 to 16 inches:* very gravelly sandy loam

*H2 - 16 to 26 inches:* very gravelly sandy loam

*H3 - 26 to 60 inches:* very gravelly coarse sand

### **Properties and qualities**

*Slope:* 0 to 15 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Somewhat excessively drained

*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high  
(0.57 to 1.98 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Available water supply, 0 to 60 inches:* Low (about 4.2 inches)

### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 4s

*Hydrologic Soil Group:* B

*Ecological site:* F002XA004WA - Puget Lowlands Forest

*Forage suitability group:* Droughty Soils (G002XN402WA)

*Other vegetative classification:* Droughty Soils (G002XN402WA)

*Hydric soil rating:* No

## **ChD—Cassolary-Everett complex, 15 to 30 percent slopes**

### **Map Unit Setting**

*National map unit symbol:* 2gqg

*Elevation:* 50 to 500 feet

*Mean annual precipitation:* 16 to 45 inches

*Mean annual air temperature:* 48 to 50 degrees F

*Frost-free period:* 160 to 200 days

*Farmland classification:* Farmland of statewide importance

### **Map Unit Composition**

*Cassolary and similar soils:* 60 percent

*Everett and similar soils:* 35 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

## **Description of Cassolary**

### **Setting**

*Landform:* Terraces



## Custom Soil Resource Report

*Parent material:* Glacial drift and/or marine deposits

### Typical profile

*H1 - 0 to 3 inches:* sandy loam

*H2 - 3 to 23 inches:* sandy loam

*H3 - 23 to 49 inches:* stratified fine sandy loam to silty clay loam

*H4 - 49 to 60 inches:* sand

### Properties and qualities

*Slope:* 15 to 30 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Well drained

*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high (0.20 to 0.57 in/hr)

*Depth to water table:* About 20 to 32 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Available water supply, 0 to 60 inches:* Moderate (about 8.5 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 4e

*Hydrologic Soil Group:* C

*Ecological site:* F002XA004WA - Puget Lowlands Forest

*Forage suitability group:* Sloping to Steep Soils (G002XN702WA)

*Other vegetative classification:* Sloping to Steep Soils (G002XN702WA)

*Hydric soil rating:* No

## Description of Everett

### Setting

*Landform:* Terraces

*Parent material:* Glacial outwash

### Typical profile

*H1 - 0 to 6 inches:* gravelly sandy loam

*H2 - 6 to 16 inches:* very gravelly sandy loam

*H3 - 16 to 60 inches:* very gravelly coarse sand

### Properties and qualities

*Slope:* 15 to 30 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Somewhat excessively drained

*Capacity of the most limiting layer to transmit water (Ksat):* High (1.98 to 5.95 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Available water supply, 0 to 60 inches:* Low (about 3.6 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 4e

*Hydrologic Soil Group:* A

*Ecological site:* F002XA004WA - Puget Lowlands Forest

*Forage suitability group:* Droughty Soils (G002XN402WA)

*Other vegetative classification:* Droughty Soils (G002XN402WA)

*Hydric soil rating:* No



## **EvC—Everett gravelly sandy loam, 0 to 15 percent slopes**

### **Map Unit Setting**

*National map unit symbol:* 2gqy  
*Elevation:* 0 to 590 feet  
*Mean annual precipitation:* 30 to 45 inches  
*Mean annual air temperature:* 50 degrees F  
*Frost-free period:* 180 days  
*Farmland classification:* Not prime farmland

### **Map Unit Composition**

*Everett and similar soils:* 100 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Everett**

#### **Setting**

*Landform:* Terraces  
*Parent material:* Glacial outwash

#### **Typical profile**

*H1 - 0 to 6 inches:* gravelly sandy loam  
*H2 - 6 to 16 inches:* very gravelly sandy loam  
*H3 - 16 to 60 inches:* very gravelly coarse sand

#### **Properties and qualities**

*Slope:* 0 to 15 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Somewhat excessively drained  
*Capacity of the most limiting layer to transmit water (Ksat):* High (1.98 to 5.95 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Available water supply, 0 to 60 inches:* Low (about 3.6 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 4s  
*Hydrologic Soil Group:* A  
*Ecological site:* F002XA004WA - Puget Lowlands Forest  
*Forage suitability group:* Droughty Soils (G002XN402WA)  
*Other vegetative classification:* Droughty Soils (G002XN402WA)  
*Hydric soil rating:* No



## **KsD—Kitsap gravelly loam, 15 to 30 percent slopes**

### **Map Unit Setting**

*National map unit symbol:* 2gs7

*Elevation:* 0 to 490 feet

*Mean annual precipitation:* 37 inches

*Mean annual air temperature:* 50 degrees F

*Frost-free period:* 160 to 200 days

*Farmland classification:* Farmland of statewide importance

### **Map Unit Composition**

*Kitsap and similar soils:* 100 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Kitsap**

#### **Setting**

*Landform:* Terraces

*Parent material:* Lacustrine deposits and/or marine deposits

#### **Typical profile**

*H1 - 0 to 4 inches:* gravelly loam

*H2 - 4 to 32 inches:* silt loam

*H3 - 32 to 60 inches:* stratified silt loam to silty clay loam to gravelly silty clay loam

#### **Properties and qualities**

*Slope:* 15 to 30 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Moderately well drained

*Capacity of the most limiting layer to transmit water (Ksat):* Moderately low to moderately high (0.06 to 0.20 in/hr)

*Depth to water table:* About 18 to 36 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Available water supply, 0 to 60 inches:* High (about 11.1 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 4e

*Hydrologic Soil Group:* C

*Ecological site:* F002XA004WA - Puget Lowlands Forest

*Forage suitability group:* Sloping to Steep Soils (G002XN702WA)

*Other vegetative classification:* Sloping to Steep Soils (G002XN702WA)

*Hydric soil rating:* No



## **KtD—Kitsap silt loam, 15 to 30 percent slopes**

### **Map Unit Setting**

*National map unit symbol:* 2gs9

*Elevation:* 0 to 590 feet

*Mean annual precipitation:* 37 inches

*Mean annual air temperature:* 50 degrees F

*Frost-free period:* 160 to 200 days

*Farmland classification:* Farmland of statewide importance

### **Map Unit Composition**

*Kitsap and similar soils:* 100 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Kitsap**

#### **Setting**

*Landform:* Terraces

*Parent material:* Lacustrine deposits and/or marine deposits

#### **Typical profile**

*H1 - 0 to 4 inches:* silt loam

*H2 - 4 to 32 inches:* silt loam

*H3 - 32 to 60 inches:* stratified silt loam to silty clay loam to gravelly silty clay loam

#### **Properties and qualities**

*Slope:* 15 to 30 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Moderately well drained

*Capacity of the most limiting layer to transmit water (Ksat):* Moderately low to moderately high (0.06 to 0.20 in/hr)

*Depth to water table:* About 18 to 36 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Available water supply, 0 to 60 inches:* High (about 11.4 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 4e

*Hydrologic Soil Group:* C

*Ecological site:* F002XA004WA - Puget Lowlands Forest

*Forage suitability group:* Sloping to Steep Soils (G002XN702WA)

*Other vegetative classification:* Sloping to Steep Soils (G002XN702WA)

*Hydric soil rating:* No



## **Mm—McMurray and Mukilteo peats**

### **Map Unit Setting**

*National map unit symbol:* 2gsf  
*Elevation:* 0 to 1,000 feet  
*Mean annual precipitation:* 35 to 70 inches  
*Mean annual air temperature:* 48 to 52 degrees F  
*Frost-free period:* 150 to 260 days  
*Farmland classification:* Prime farmland if drained

### **Map Unit Composition**

*Mcmurray and similar soils:* 50 percent  
*Mukilteo and similar soils:* 50 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of McMurray**

#### **Setting**

*Landform:* Depressions  
*Parent material:* Herbaceous organic material

#### **Typical profile**

*H1 - 0 to 6 inches:* mucky peat  
*H2 - 6 to 60 inches:* mucky peat

#### **Properties and qualities**

*Slope:* 0 to 2 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Very poorly drained  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high  
(0.57 to 1.98 in/hr)  
*Depth to water table:* About 0 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* Frequent  
*Available water supply, 0 to 60 inches:* Very high (about 26.9 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 5w  
*Hydrologic Soil Group:* B/D  
*Ecological site:* R002XA003WA - Puget Lowlands Bogs and Fens  
*Forage suitability group:* Wet Soils (G002XN102WA)  
*Other vegetative classification:* Wet Soils (G002XN102WA)  
*Hydric soil rating:* Yes

### **Description of Mukilteo**

#### **Setting**

*Landform:* Depressions  
*Parent material:* Herbaceous organic material



**Typical profile**

*H1 - 0 to 11 inches: peat*  
*H2 - 11 to 60 inches: mucky peat*

**Properties and qualities**

*Slope: 0 to 1 percent*  
*Depth to restrictive feature: More than 80 inches*  
*Drainage class: Very poorly drained*  
*Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high*  
*(0.57 to 1.98 in/hr)*  
*Depth to water table: About 0 inches*  
*Frequency of flooding: None*  
*Frequency of ponding: Frequent*  
*Available water supply, 0 to 60 inches: Very high (about 26.9 inches)*

**Interpretive groups**

*Land capability classification (irrigated): None specified*  
*Land capability classification (nonirrigated): 5w*  
*Hydrologic Soil Group: B/D*  
*Ecological site: R002XA003WA - Puget Lowlands Bogs and Fens*  
*Forage suitability group: Wet Soils (G002XN102WA)*  
*Other vegetative classification: Wet Soils (G002XN102WA)*  
*Hydric soil rating: Yes*

**Se—Semiahmoo muck**

**Map Unit Setting**

*National map unit symbol: 2gt3*  
*Elevation: 10 to 1,300 feet*  
*Mean annual precipitation: 35 to 70 inches*  
*Mean annual air temperature: 46 to 50 degrees F*  
*Frost-free period: 125 to 250 days*  
*Farmland classification: Prime farmland if drained*

**Map Unit Composition**

*Semiahmoo and similar soils: 100 percent*  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

**Description of Semiahmoo**

**Setting**

*Landform: Depressions*  
*Parent material: Herbaceous organic material*

**Typical profile**

*H1 - 0 to 16 inches: muck*  
*H2 - 16 to 54 inches: muck*  
*H3 - 54 to 55 inches: silt loam*  
*H4 - 55 to 60 inches: muck*



**Properties and qualities**

*Slope:* 0 to 1 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Very poorly drained  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high (0.20 to 0.57 in/hr)  
*Depth to water table:* About 0 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* Frequent  
*Available water supply, 0 to 60 inches:* Very high (about 26.6 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 5w  
*Hydrologic Soil Group:* B/D  
*Ecological site:* R002XA003WA - Puget Lowlands Bogs and Fens  
*Forage suitability group:* Wet Soils (G002XN102WA)  
*Other vegetative classification:* Wet Soils (G002XN102WA)  
*Hydric soil rating:* Yes

**Sh—Semiahmoo muck, moderately shallow variant**

**Map Unit Setting**

*National map unit symbol:* 2gt4  
*Elevation:* 10 to 1,300 feet  
*Mean annual precipitation:* 35 to 70 inches  
*Mean annual air temperature:* 46 to 50 degrees F  
*Frost-free period:* 125 to 250 days  
*Farmland classification:* Prime farmland if drained

**Map Unit Composition**

*Semiahmoo muck, moderately shallow variant and similar soils:* 100 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

**Description of Semiahmoo Muck, Moderately Shallow Variant**

**Setting**

*Landform:* Depressions  
*Parent material:* Herbaceous organic material

**Typical profile**

*H1 - 0 to 12 inches:* muck  
*H2 - 12 to 36 inches:* muck  
*H3 - 36 to 60 inches:* loamy sand

**Properties and qualities**

*Slope:* 0 to 1 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Very poorly drained  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high (0.20 to 0.57 in/hr)  
*Depth to water table:* About 0 inches



## Custom Soil Resource Report

*Frequency of flooding:* None  
*Frequency of ponding:* Frequent  
*Available water supply, 0 to 60 inches:* Very high (about 19.7 inches)

### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 5w  
*Hydrologic Soil Group:* C/D  
*Ecological site:* R002XA003WA - Puget Lowlands Bogs and Fens  
*Forage suitability group:* Wet Soils (G002XN102WA)  
*Other vegetative classification:* Wet Soils (G002XN102WA)  
*Hydric soil rating:* Yes

## **SnC—Sinclair gravelly sandy loam, 0 to 15 percent slopes**

### **Map Unit Setting**

*National map unit symbol:* 2gt6  
*Elevation:* 100 to 690 feet  
*Mean annual precipitation:* 25 to 50 inches  
*Mean annual air temperature:* 50 degrees F  
*Frost-free period:* 200 days  
*Farmland classification:* Farmland of statewide importance

### **Map Unit Composition**

*Sinclair and similar soils:* 100 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Sinclair**

#### **Setting**

*Landform:* Terraces  
*Parent material:* Basal till

#### **Typical profile**

*H1 - 0 to 8 inches:* gravelly sandy loam  
*H2 - 8 to 25 inches:* gravelly sandy loam  
*H3 - 25 to 60 inches:* gravelly sandy loam

#### **Properties and qualities**

*Slope:* 0 to 15 percent  
*Depth to restrictive feature:* 20 to 40 inches to densic material  
*Drainage class:* Moderately well drained  
*Capacity of the most limiting layer to transmit water (Ksat):* Very low to moderately low (0.00 to 0.06 in/hr)  
*Depth to water table:* About 18 to 36 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Available water supply, 0 to 60 inches:* Very low (about 2.3 inches)

### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 4s  
*Hydrologic Soil Group:* B



## Custom Soil Resource Report

*Ecological site:* F002XA004WA - Puget Lowlands Forest  
*Forage suitability group:* Limited Depth Soils (G002XN302WA)  
*Other vegetative classification:* Limited Depth Soils (G002XN302WA)  
*Hydric soil rating:* No

### **SnD—Sinclair gravelly sandy loam, 15 to 30 percent slopes**

#### **Map Unit Setting**

*National map unit symbol:* 2gt7  
*Elevation:* 50 to 690 feet  
*Mean annual precipitation:* 25 to 50 inches  
*Mean annual air temperature:* 50 degrees F  
*Frost-free period:* 200 days  
*Farmland classification:* Farmland of statewide importance

#### **Map Unit Composition**

*Sinclair and similar soils:* 100 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### **Description of Sinclair**

##### **Setting**

*Landform:* Terraces  
*Parent material:* Basal till

##### **Typical profile**

*H1 - 0 to 8 inches:* gravelly sandy loam  
*H2 - 8 to 25 inches:* gravelly sandy loam  
*H3 - 25 to 60 inches:* gravelly sandy loam

##### **Properties and qualities**

*Slope:* 15 to 30 percent  
*Depth to restrictive feature:* 20 to 40 inches to densic material  
*Drainage class:* Moderately well drained  
*Capacity of the most limiting layer to transmit water (Ksat):* Very low to moderately low (0.00 to 0.06 in/hr)  
*Depth to water table:* About 18 to 36 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Available water supply, 0 to 60 inches:* Very low (about 2.3 inches)

##### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 4e  
*Hydrologic Soil Group:* B  
*Ecological site:* F002XA004WA - Puget Lowlands Forest  
*Forage suitability group:* Limited Depth Soils (G002XN302WA)  
*Other vegetative classification:* Limited Depth Soils (G002XN302WA)  
*Hydric soil rating:* No



## **So—Snohomish silty clay loam**

### **Map Unit Setting**

*National map unit symbol:* 2gt8

*Elevation:* 0 to 390 feet

*Mean annual precipitation:* 22 to 50 inches

*Mean annual air temperature:* 50 degrees F

*Frost-free period:* 185 days

*Farmland classification:* Prime farmland if drained

### **Map Unit Composition**

*Snohomish and similar soils:* 100 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Snohomish**

#### **Setting**

*Landform:* Flood plains

*Parent material:* Alluvium

#### **Typical profile**

*H1 - 0 to 5 inches:* mucky silty clay loam

*H2 - 5 to 17 inches:* mucky silty clay

*H3 - 17 to 39 inches:* mucky silty clay loam, peat

*H3 - 17 to 39 inches:* peat

*H4 - 39 to 60 inches:*

#### **Properties and qualities**

*Slope:* 0 to 2 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Poorly drained

*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high (0.20 to 0.57 in/hr)

*Depth to water table:* About 0 to 12 inches

*Frequency of flooding:* OccasionalNone

*Frequency of ponding:* None

*Available water supply, 0 to 60 inches:* Very high (about 32.6 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 5w

*Hydrologic Soil Group:* C/D

*Ecological site:* F002XA008WA - Puget Lowlands Riparian Forest

*Forage suitability group:* Wet Soils (G002XN102WA)

*Other vegetative classification:* Wet Soils (G002XN102WA)

*Hydric soil rating:* Yes



## **StB—Swantown gravelly sandy loam, 0 to 8 percent slopes**

### **Map Unit Setting**

*National map unit symbol:* 2gt9

*Elevation:* 0 to 690 feet

*Mean annual precipitation:* 18 to 35 inches

*Mean annual air temperature:* 50 degrees F

*Frost-free period:* 210 to 230 days

*Farmland classification:* Not prime farmland

### **Map Unit Composition**

*Swantown and similar soils:* 100 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Swantown**

#### **Setting**

*Parent material:* Till

#### **Typical profile**

*H1 - 0 to 5 inches:* gravelly sandy loam

*H2 - 5 to 13 inches:* very gravelly loam

*H3 - 13 to 22 inches:* very gravelly sandy loam

*H4 - 22 to 60 inches:* very gravelly sandy loam

#### **Properties and qualities**

*Slope:* 0 to 8 percent

*Depth to restrictive feature:* 20 to 39 inches to densic material

*Drainage class:* Somewhat poorly drained

*Capacity of the most limiting layer to transmit water (Ksat):* Very low to moderately low (0.00 to 0.06 in/hr)

*Depth to water table:* About 6 to 24 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Available water supply, 0 to 60 inches:* Very low (about 2.0 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 6w

*Hydrologic Soil Group:* D

*Ecological site:* F002XA001WA - Puget Lowlands Dry Forest

*Forage suitability group:* Seasonally Wet Soils (G002XN202WA)

*Other vegetative classification:* Seasonally Wet Soils (G002XN202WA)

*Hydric soil rating:* No



## **SuB—Swantown gravelly loam, 0 to 8 percent slopes**

### **Map Unit Setting**

*National map unit symbol:* 2gtb

*Elevation:* 0 to 690 feet

*Mean annual precipitation:* 18 to 35 inches

*Mean annual air temperature:* 50 degrees F

*Frost-free period:* 210 to 230 days

*Farmland classification:* Not prime farmland

### **Map Unit Composition**

*Swantown and similar soils:* 100 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Swantown**

#### **Setting**

*Parent material:* Till

#### **Typical profile**

*H1 - 0 to 5 inches:* gravelly loam

*H2 - 5 to 13 inches:* very gravelly loam

*H3 - 13 to 22 inches:* very gravelly sandy loam

*H4 - 22 to 60 inches:* very gravelly sandy loam

#### **Properties and qualities**

*Slope:* 0 to 8 percent

*Depth to restrictive feature:* 20 to 39 inches to densic material

*Drainage class:* Somewhat poorly drained

*Capacity of the most limiting layer to transmit water (Ksat):* Very low to moderately low (0.00 to 0.06 in/hr)

*Depth to water table:* About 6 to 24 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Available water supply, 0 to 60 inches:* Very low (about 2.2 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 6w

*Hydrologic Soil Group:* D

*Ecological site:* F002XA001WA - Puget Lowlands Dry Forest

*Forage suitability group:* Seasonally Wet Soils (G002XN202WA)

*Other vegetative classification:* Seasonally Wet Soils (G002XN202WA)

*Hydric soil rating:* No



## Th—Tisch silt loam

### Map Unit Setting

*National map unit symbol:* 2gtg  
*Elevation:* 50 to 1,000 feet  
*Mean annual precipitation:* 20 to 60 inches  
*Mean annual air temperature:* 48 to 52 degrees F  
*Frost-free period:* 150 to 250 days  
*Farmland classification:* Prime farmland if drained

### Map Unit Composition

*Tisch and similar soils:* 100 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Tisch

#### Setting

*Landform:* Depressions  
*Parent material:* Volcanic ash, alluvium and diatomaceous earth

#### Typical profile

*H1 - 0 to 14 inches:* silt loam  
*H2 - 14 to 31 inches:* silt  
*H3 - 31 to 60 inches:* muck

#### Properties and qualities

*Slope:* 0 to 2 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Poorly drained  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high (0.20 to 0.57 in/hr)  
*Depth to water table:* About 0 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* Frequent  
*Available water supply, 0 to 60 inches:* Very high (about 24.8 inches)

#### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 5w  
*Hydrologic Soil Group:* C/D  
*Ecological site:* F001XC003OR - Mesic Aquic Forest  
*Forage suitability group:* Wet Soils (G002XN102WA)  
*Other vegetative classification:* Wet Soils (G002XN102WA)  
*Hydric soil rating:* Yes



# References

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- American Association of State Highway and Transportation Officials (AASHTO). 2004. Standard specifications for transportation materials and methods of sampling and testing. 24th edition.
- American Society for Testing and Materials (ASTM). 2005. Standard classification of soils for engineering purposes. ASTM Standard D2487-00.
- Cowardin, L.M., V. Carter, F.C. Golet, and E.T. LaRoe. 1979. Classification of wetlands and deep-water habitats of the United States. U.S. Fish and Wildlife Service FWS/OBS-79/31.
- Federal Register. July 13, 1994. Changes in hydric soils of the United States.
- Federal Register. September 18, 2002. Hydric soils of the United States.
- Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.
- National Research Council. 1995. Wetlands: Characteristics and boundaries.
- Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18. [http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2\\_054262](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_054262)
- Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service, U.S. Department of Agriculture Handbook 436. [http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2\\_053577](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053577)
- Soil Survey Staff. 2010. Keys to soil taxonomy. 11th edition. U.S. Department of Agriculture, Natural Resources Conservation Service. [http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2\\_053580](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053580)
- Tiner, R.W., Jr. 1985. Wetlands of Delaware. U.S. Fish and Wildlife Service and Delaware Department of Natural Resources and Environmental Control, Wetlands Section.
- United States Army Corps of Engineers, Environmental Laboratory. 1987. Corps of Engineers wetlands delineation manual. Waterways Experiment Station Technical Report Y-87-1.
- United States Department of Agriculture, Natural Resources Conservation Service. National forestry manual. [http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/home/?cid=nrcs142p2\\_053374](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/home/?cid=nrcs142p2_053374)
- United States Department of Agriculture, Natural Resources Conservation Service. National range and pasture handbook. <http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/landuse/rangepasture/?cid=stelprdb1043084>



## Custom Soil Resource Report

United States Department of Agriculture, Natural Resources Conservation Service. National soil survey handbook, title 430-VI. [http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/scientists/?cid=nrcs142p2\\_054242](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/scientists/?cid=nrcs142p2_054242)

United States Department of Agriculture, Natural Resources Conservation Service. 2006. Land resource regions and major land resource areas of the United States, the Caribbean, and the Pacific Basin. U.S. Department of Agriculture Handbook 296. [http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2\\_053624](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053624)

United States Department of Agriculture, Soil Conservation Service. 1961. Land capability classification. U.S. Department of Agriculture Handbook 210. [http://www.nrcs.usda.gov/Internet/FSE\\_DOCUMENTS/nrcs142p2\\_052290.pdf](http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_052290.pdf)



# FEMA Flood Map Service Center: Search By Address

Enter an address, place, or coordinates: ?

1594 Center Road Chimacum, WA

Search

Navigation

Search

Languages

[MSC Home \(/portal/\)](#)

[MSC Search by Address \(/portal/search\)](#)

[MSC Search All Products \(/portal/advanceSearch\)](#)

▼ [MSC Products and Tools \(/portal/resources/productsandtools\)](#)

[Hazus \(/portal/resources/hazus\)](#)

[LOMC Batch Files \(/portal/resources/lomc\)](#)

[Product Availability \(/portal/productAvailability\)](#)

[MSC Frequently Asked Questions \(FAQs\) \(/portal/resources/faq\)](#)

[MSC Email Subscriptions \(/portal/subscriptionHome\)](#)

[Contact MSC Help \(/portal/resources/contact\)](#)

Whether you are in a high risk zone or not, you may need [flood insurance \(https://www.fema.gov/national-flood-insurance-program\)](https://www.fema.gov/national-flood-insurance-program), because most homeowners insurance doesn't cover flood damage. If you live in an area with low or moderate flood risk, you are 5 times more likely to experience flood than a fire in your home over the next 30 years. For many, a National Flood Insurance Program's flood insurance policy could cost less than \$400 per year. Call your insurance agent today and protect what you've built.

Learn more about [steps you can take \(https://www.fema.gov/what-mitigation\)](https://www.fema.gov/what-mitigation) to reduce flood risk damage.

## Search Results—Products for JEFFERSON COUNTY UNINCORPORATED AREAS

Show ALL Products » (<https://msc.fema.gov/portal/availabilitySearch?addcommunity=530069&communityName=JEFFERSON COUN>)

The flood map for the selected area is number **53031C0460C**, effective on **06/07/2019** ?

### DYNAMIC MAP



PRINT MAP/  
FIRMette

### MAP IMAGE



DOWNLOAD  
FIRM PANEL

[\\_ \(https://msc.fema.gov/portal/downloadProduct?](https://msc.fema.gov/portal/downloadProduct?)

[productTypeID=FINAL\\_PRODUCT&productSubTypeID=FIRM\\_PANEL&productID=53031C0460C\)](https://msc.fema.gov/portal/downloadProduct?productTypeID=FINAL_PRODUCT&productSubTypeID=FIRM_PANEL&productID=53031C0460C)

### Changes to this FIRM ?

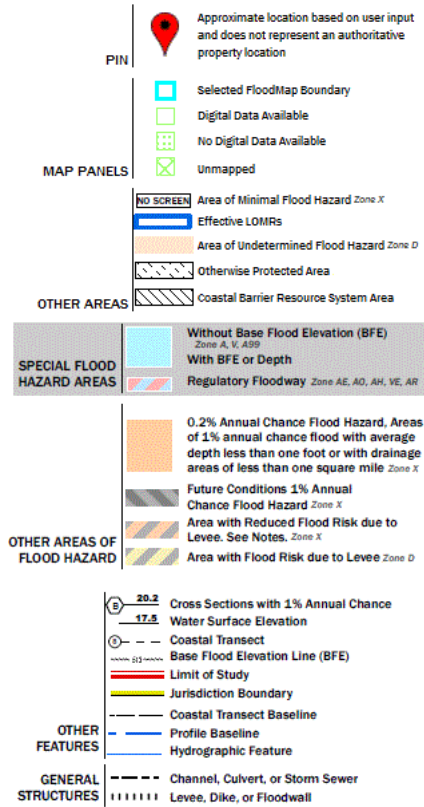
- Revisions (0)
- Amendments (0)
- Revalidations (0)

You can choose a new flood map or move the location pin by selecting a different location on the locator map below or by entering a new location in the search field above. It may take a minute or more during peak hours to generate a dynamic FIRMette.

[Go To NFHL Viewer » \(https://hazards-fema.maps.arcgis.com/apps/webappviewer/index.html?id=8b0adb51996444d4879338b55](https://hazards-fema.maps.arcgis.com/apps/webappviewer/index.html?id=8b0adb51996444d4879338b55)







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[FOIA \(/www.fema.gov/foia\)](http://www.fema.gov/foia)
[Office of the Inspector General \(/www.oig.dhs.gov/\)](http://www.oig.dhs.gov/)
[Strategic Plan \(/www.fema.gov/fema-strategic-plan\)](http://www.fema.gov/fema-strategic-plan)
[Whitehouse.gov \(/www.whitehouse.gov\)](http://www.whitehouse.gov/)
[DHS.gov \(/www.dhs.gov\)](http://www.dhs.gov/)
[Ready.gov \(/www.ready.gov\)](http://www.ready.gov/)
[USA.gov \(/www.usa.gov\)](http://www.usa.gov/)
[DisasterAssistance.gov \(/www.disasterassistance.gov/\)](http://www.disasterassistance.gov/)



(<https://www.oig.dhs.gov/hotline>)



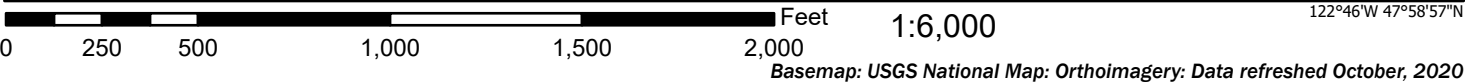
Official website of the Department of Homeland Security



# National Flood Hazard Layer FIRMMette



122°46'38"W 47°59'21"N



## Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D

OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D

GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall

OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance
		17.5 Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 11/30/2022 at 10:30 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

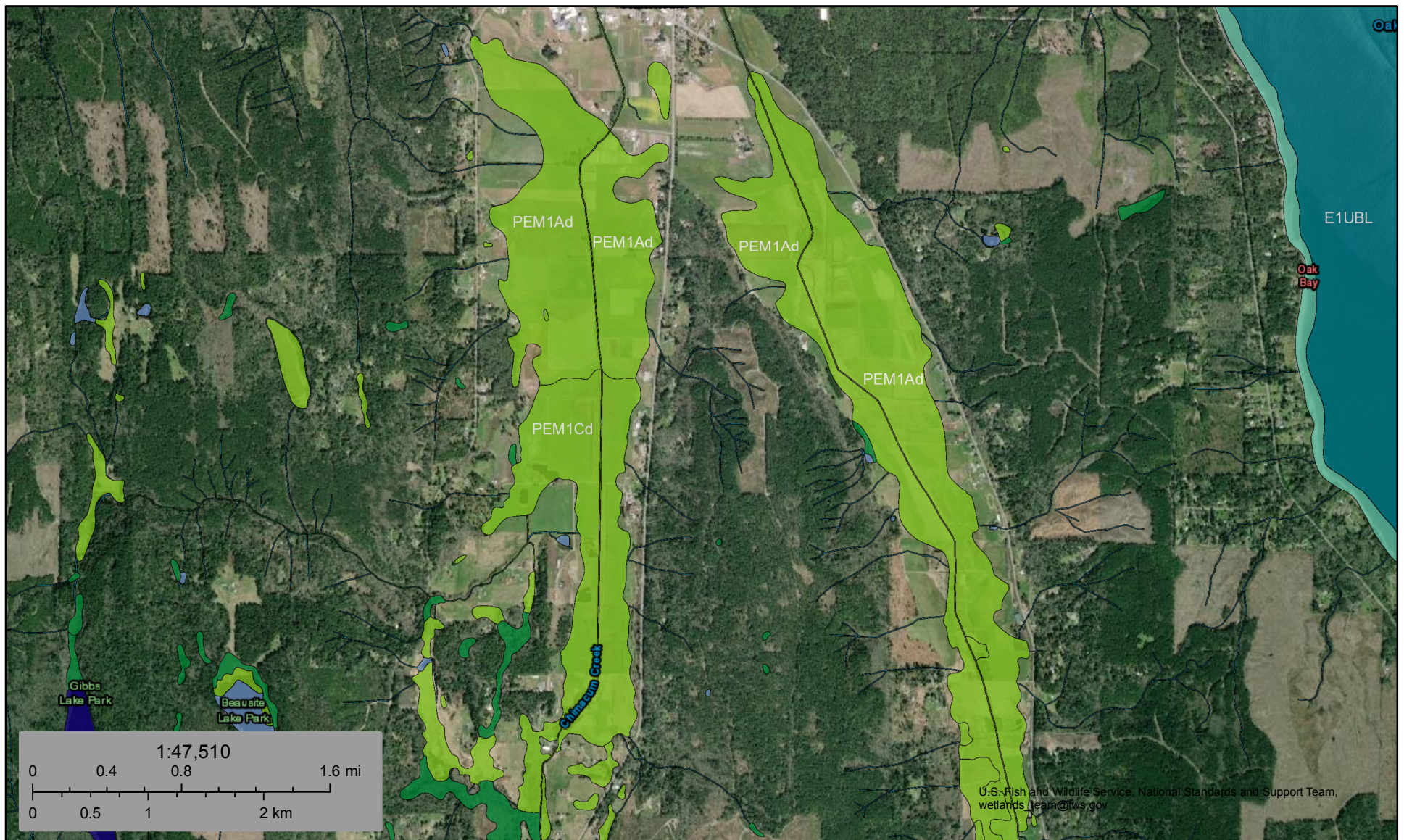




U.S. Fish and Wildlife Service






# National Wetlands Inventory

## Wetlands



November 30, 2022

### Wetlands

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

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





March 22, 2014

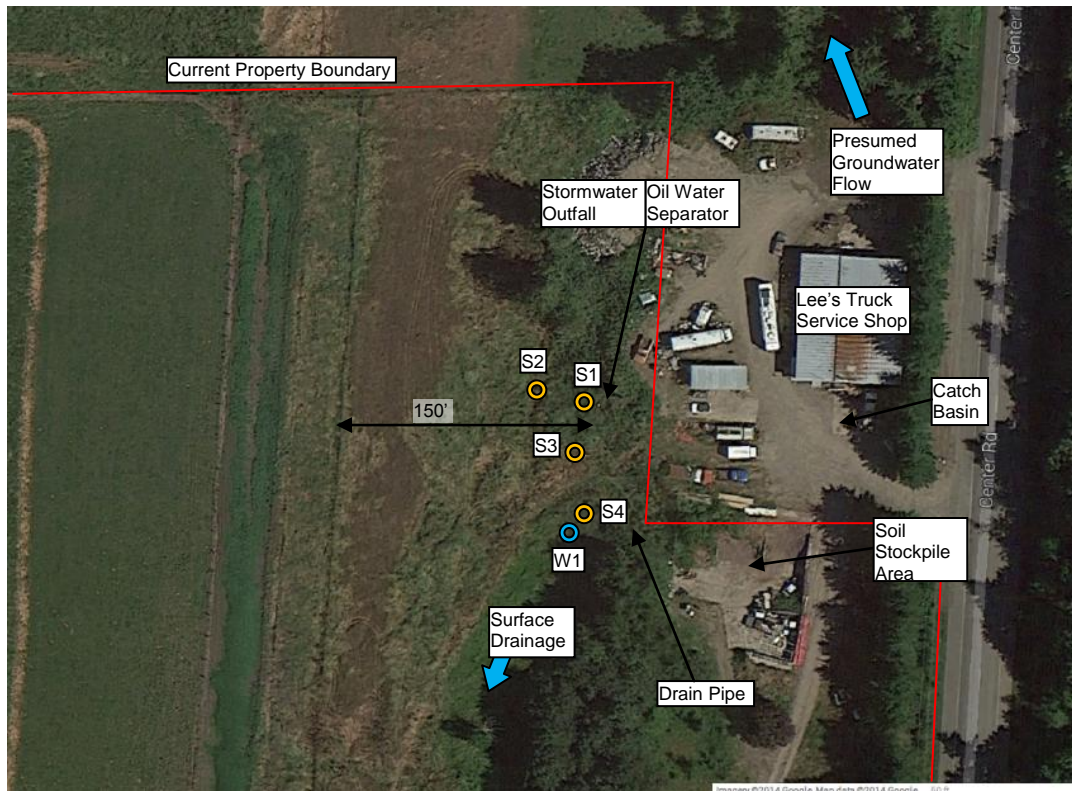
Sarah Spaeth  
Executive Director  
Jefferson Land Trust  
1033 Lawrence Street  
Port Townsend, WA 98368

**Re: Resolution of Recognized Environmental Conditions Identified in the ADESA Phase I Assessment, dated February 19, 2014, of the Short Family Farm/Valley View Family Trust: 1594 Center Road Chimacum, WA 98325**

The purpose of this letter is to detail the work completed by ADESA in addressing the recognized environmental conditions (REC by ASTM E1527-05) identified in the ADESA Phase I Environmental Site Assessment conducted on the above referenced site, dated February 19, 2014. In the Phase I assessment the following REC were identified:

**REC #1: "Lee's Truck Service: Stormwater outfall and contaminated soil stockpile"**

On March 13, 2014, ADESA collected four soil samples from areas below the stormwater outfall and down gradient from the former soil stockpile area, and one surface water sample down gradient from the former soil stockpile area.





The samples were submitted to Libby Environmental Laboratory of Olympia, WA for analysis (results attached). All four soil samples (S1, S2, S3 and S4) and the surface water sample (W1) were non-detect for benzene, ethylbenzene, toluene, xylenes, and petroleum products including gasoline, diesel and oil (by methods NWTPH Gx, NWTPH Dx Ext., and 8021B BTEX). Samples S1 (taken just below the stormwater outfall), S2 (taken 50' feet to the west of the stormwater outfall) and S4 (collected to the west of the soil stockpile area, 15 feet west of the drain pipe) were found to contain detectable levels of lead and chromium below the current Washington State Department of Ecology, Model Toxics Control Act (MTCA), Method A Cleanup Levels for Unrestricted Land Use. S3 was non-detect for metals (EPA 7010 and EPA 7471).

ADESA also made observations of the oil water separator that was installed after the 2009 Jefferson County Assessment of the Lee's Truck Service Site. The system is connected to a storm drain located south of the Lee's Truck Service Shop. No water was being discharged at the time of the site visit, and the system, although uncovered and "homemade", appeared to be capable of functioning.



In addition to the soil and surface water sampling detailed above, Jefferson Land Trust and the Valley View Trust have agreed to adjust the current boundary between the Lee's Truck Service site and Parcel 901233005, moving the border approximately 120-150 feet to the west, as depicted below.





It is ADESA's intention that this letter serves as evidence of the fulfillment of Jefferson Land Trust's environmental due diligence obligation in reference to the property located at #901262002, 901262003, 901233010, 901233011, 901224001, 901233002, 901233005 and 901233008, located at 1594 Center Road Chimacum, WA 98325 (Subject Property, Property, Short Family Farm, and Valley View Family Trust). Based on the soil and surface water sampling and analysis detailed in this report, and the implementation of the proposed boundary line adjustment described above, the recognized environmental conditions identified in ADESA's February 19, 2014 Phase I Environmental Site Assessment have been investigated and resolved.

**ADESA Environmental Investigations**

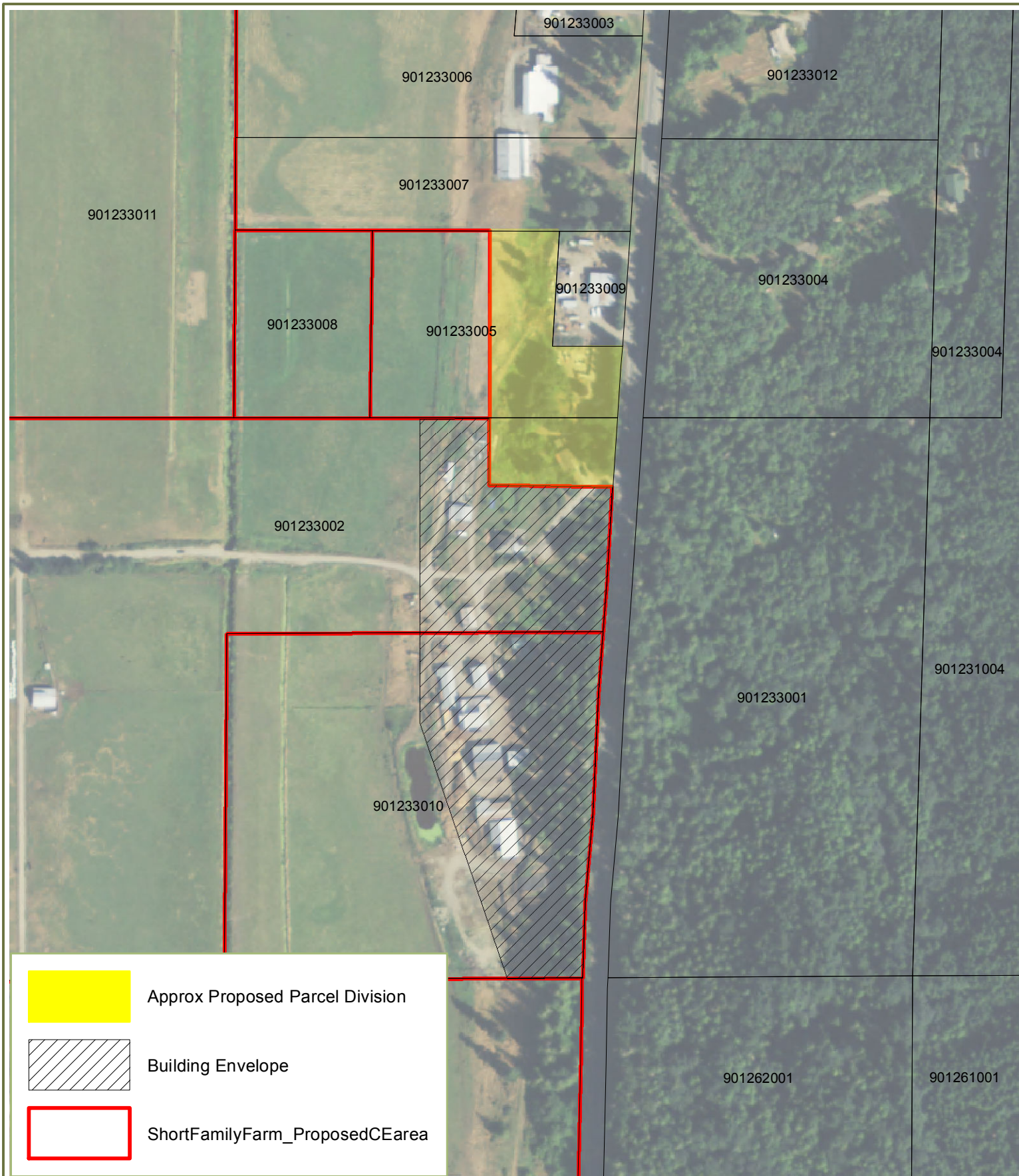


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**William W. Rutherford, MES**

Environmental Professional  
ADESA Environmental





# Short Farm Proposed Parcel Division



# Libby Environmental, Inc.

4139 Libby Road NE

Olympia, WA 98506

Phone: (360) 352-2110

FAX: (360) 352-4154

Email: libbyenv@aol.com

## SHORT FAMILY FARM PROJECT

ADESA

Chimacum, Washington

Libby Project # L140314-4

### Analyses of Diesel & Oil (NWTPH-Dx/Dx Extended) in Water

Sample Number	Date Analyzed	Surrogate Recovery (%)	Diesel (µg/l)	Oil (µg/l)
Method Blank	3/17/14	100	nd	nd
W1	3/17/14	110	nd	nd
Practical Quantitation Limit			200	400

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Kyle Williams



# Libby Environmental, Inc.

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Phone: (360) 352-2110

FAX: (360) 352-4154

Email: libbyenv@aol.com

## SHORT FAMILY FARM PROJECT

ADESA

Chimacum, Washington

Libby Project # L140314-4

### Analyses of Gasoline (NWTPH-Gx) & BTEX (EPA Method 8260C) in Water

Sample Number	Date Analyzed	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Xylenes (µg/l)	Gasoline (µg/l)	Surrogate Recovery (%)
Method Blank	3/17/14	nd	nd	nd	nd	nd	85
LCS	3/17/14	103%	90%				80
W1	3/17/14	nd	nd	nd	nd	nd	85
L140314-3 MS	3/17/14	108%	95%				85
L140314-3 MSD	3/17/14	91%	98%				81
Practical Quantitation Limit		1	2	1	2	100	

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Toluene-d8): 65% TO 135%

ANALYSES PERFORMED BY: Kyle Williams



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Olympia, WA 98506

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Email: libbyenv@aol.com

## SHORT FAMILY FARM PROJECT

ADESA

Chimacum, Washington

Libby Project # L140314-4

### Analyses of Diesel & Oil (NWTPH-Dx/Dx Extended) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Diesel (mg/kg)	Oil (mg/kg)
Method Blank	3/18/14	100	nd	nd
S1	3/18/14	94	nd	nd
S1 Dup	3/18/14	102	nd	nd
S2	3/18/14	92	nd	nd
S3	3/18/14	98	nd	nd
S4	3/18/14	98	nd	nd
Practical Quantitation Limit			25	40

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Kyle Williams



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Olympia, WA 98506

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FAX: (360) 352-4154

Email: libbyenv@aol.com

## SHORT FAMILY FARM PROJECT

ADESA

Chimacum, Washington

Libby Project # L140314-4

### Analyses of Gasoline (NWTPH-Gx) & BTEX (EPA Method 8260C) in Soil

Sample Number	Date Analyzed	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Gasoline (mg/kg)	Surrogate Recovery (%)
Method Blank	3/17/14	nd	nd	nd	nd	nd	95
LCS	3/17/14	106%	118%				87
S1	3/17/14	nd	nd	nd	nd	nd	96
S1 Dup	3/17/14	nd	nd	nd	nd	nd	97
S2	3/17/14	nd	nd	nd	nd	nd	96
S3	3/17/14	nd	nd	nd	nd	nd	90
S4	3/17/14	nd	nd	nd	nd	nd	89
S2 MS	3/17/14	113%	123%				86
S2 MSD	3/17/14	116%	123%				84
Practical Quantitation Limit		0.02	0.10	0.05	0.15	10	

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Toluene-d8): 65% TO 135%

ANALYSES PERFORMED BY: Kyle Williams



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4139 Libby Road NE

Olympia, WA 98506

Phone: (360) 352-2110

FAX: (360) 352-4154

Email: libbyenv@aol.com

## SHORT FAMILY FARM PROJECT

ADESA

Chimacum, Washington

Libby Project # L140314-4

### Analyses of Total Metals in Soil by EPA Method 7010 Series

Sample Number	Date Analyzed	Lead (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Arsenic (mg/kg)
Method Blank	3/19/14	nd	nd	nd	nd
S1	3/19/14	7.9	nd	18.8	nd
S2	3/19/14	61	nd	6.4	nd
S3	3/19/14	nd	nd	nd	nd
S4	3/19/14	18	nd	7.7	nd
Practical Quantitation Limit		5.0	1.0	5.0	5.0

"nd" Indicates not detected at the listed detection limits.

ANALYSES PERFORMED BY: Dirk Peterson

### QA/QC for Metals in Soil by EPA Method 7010 Series

Sample Number	Date Analyzed	Lead (% Recovery)	Cadmium (% Recovery)	Chromium (% Recovery)	Arsenic (% Recovery)
LCS	3/19/14	115%	101%	102%	91%
L140318-2 MS	3/19/14	84%	88%	93%	88%
L140318-2 MSD	3/19/14	97%	90%	90%	87%
RPD	3/19/14	14%	2%	3%	1%

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 75%-125%

ACCEPTABLE RPD IS 20%

ANALYSES PERFORMED BY: Dirk Peterson



# Libby Environmental, Inc.

SHORT FAMILY FARM PROJECT  
ADESA  
Chimacum, Washington  
Libby Project # L140314-4

4139 Libby Road NE  
Olympia, WA 98506  
Phone: (360) 352-2110  
FAX: (360) 352-4154  
Email: libbyenv@aol.com

## Analyses of Total Mercury in Soil by EPA Method 7471

Sample Number	Date Analyzed	Mercury (mg/kg)
Method Blank	3/20/14	nd
S1	3/20/14	nd
S2	3/20/14	nd
S3	3/20/14	nd
S4	3/20/14	nd
Practical Quantitation Limit		0.5

"nd" Indicates not detected at the listed detection limits.

ANALYSES PERFORMED BY: Kyle Williams

## QA/QC for Mercury by EPA Method 7471

Sample Number	Date Analyzed	Mercury (% Recovery)
LCS	3/19/14	102%
L140318-2 MS	3/19/14	102%
L140318-2 MSD	3/19/14	102%
RPD	3/19/14	0%

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 75%-125%  
ACCEPTABLE RPD IS 20%

ANALYSES PERFORMED BY: Kyle Williams



**Libby Environmental, Inc.**
**Chain of Custody Record**

www.LibbyEnvironmental.com

 4139 Libby Road NE  
 Olympia, WA 98506  
 Ph: 360-352-2110  
 Fax: 360-352-4154

 Date: 3/14/14 Page: 1 of 1

 Client: ADESA

 Project Manager: Will Rutherford

 Address: PO Box 1009

 Project Name: Short Family Farm

 City: Tecoma State: WA Zip: 98589

 Location: Chimacum City, State: WA

 Phone: 360-701-8797 Fax:

 Collector: WR Date of Collection: 3/13/14

Client Project #

 Email: willrutherford@adesa-wa.com

Sample Number	Depth	Time	Sample Type	Container Type	Analytes										Field Notes		
					VOA 8021B	VOA 8021B BTEX Only	VOA 8260	SEMI VOL 8270	NWTPH-HCD	NWTPH-GF	NWTPH-Dx	PAM 8270	PCB's 8082	MTCA 5 Metals			
1	W1		H <sub>2</sub> O	Amber 40ml	X					X	X						
2	S1	1	Soil	Amber 40ml	X					X	X		X				
3	S2	1			X					X	X		X				
4	S3	1	↓	↓	X					X	X		X				
5	S4	1			X					X	X		X				
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	

Relinquished by: <u>[Signature]</u>	Date / Time: <u>3/14/14</u>	Received by: <u>[Signature]</u>	Date / Time: <u>3/14/14 5:00pm</u>	Sample Receipt:	Remarks:
Relinquished by:	Date / Time:	Received by:	Date / Time:	Good Condition? <u>Y</u>	
				Cold? <u>Wc</u>	
Relinquished by:	Date / Time:	Received by:	Date / Time:	Seals Intact? <u>Y</u>	
				Total Number of Containers: <u>20</u>	TAT: 24HR 48HR 5DAY

LEGAL ACTION CLAUSE: In the event of default of payment and/or failure to pay, Client agrees to pay the costs of collection including court costs and reasonable attorney fees to be determined by a court of law.

Distribution: White - Lab, Yellow - File, Pink - Original



# Libby Environmental, Inc.

4139 Libby Road NE

Olympia, WA 98506

Phone: (360) 352-2110

FAX: (360) 352-4154

Email: libbyenv@aol.com

## SHORT FAMILY FARM PROJECT

ADESA

Chimicum, Washington

Libby Project # L140122-1

Client Project # 0214-01

### Analyses of Gasoline (NWTPH-Gx) & BTEX (EPA Method 8260C) in Soil

Sample Number	Date Analyzed	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Gasoline (mg/kg)	Surrogate Recovery (%)
Method Blank	1/22/14	nd	nd	nd	nd	nd	89
LCS	1/22/14	126%	118%				80
B3	1/22/14	nd	nd	nd	nd	nd	83
B4	1/22/14	nd	nd	nd	nd	nd	85
L140122-2 MS	1/22/14	123%	121%				92
L140122-2 MSD	1/22/14	120%	109%				74
Practical Quantitation Limit		0.02	0.10	0.05	0.15	10	

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Toluene-d8): 65% TO 135%

ANALYSES PERFORMED BY: Kyle Williams



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## SHORT FAMILY FARM PROJECT

ADESA

Chimicum, Washington

Libby Project # L140122-1

Client Project # 0214-01

### Analyses of Diesel & Oil (NWTPH-Dx/Dx Extended) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Diesel (mg/kg)	Oil (mg/kg)
Method Blank	1/22/14	96	nd	nd
B1	1/22/14	99	nd	nd
B1 Dup	1/22/14	93	nd	nd
B2	1/22/14	102	nd	nd
B2 Dup	1/22/14	104	nd	nd
Practical Quantitation Limit			25	40

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (2-F Biphenyl): 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke



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## SHORT FAMILY FARM PROJECT

ADESA

Chimicum, Washington

Libby Project # L140122-1

Client Project # 0214-01

### Analyses of BTEX by EPA Method 8260C in Soil

Sample Number	Date Analyzed	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Surrogate Recovery (%)
Method Blank	1/22/14	nd	nd	nd	nd	89
LCS	1/22/14	126%	118%			80
B1	1/22/14	nd	nd	nd	nd	87
L140122-2 MS	1/22/14	123%	121%			92
L140122-2 MSD	1/22/14	120%	109%			74
Practical Quantitation Limit		0.02	0.10	0.05	0.15	

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Toluene-d8): 65% TO 135%

ANALYSES PERFORMED BY: Kyle Williams



# Libby Environmental, Inc.

4139 Libby Road NE  
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Ph: 360-352-2110  
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Client: **ADESA**

Address: **PO Box 1009 Tening, WA 98589**

Phone: **360-701-8797** Fax:

Client Project # **0214-01**

# Chain of Custody Record

Date: **1/21/14**

Page: **1** of **1**

Project Manager: **Will Rutherford**

Project Name: **Short Family Farm**

Location: **Chimicum, WA**

Collector: **WR** Date of Collection: **1/20**

Sample Number	Depth	Time	Sample Type	Container Type	VOA 8021B	VOA 8021B BTEX Only	SEMI VOL 8270	NWTPH-HCD	NWTPH-GX	NWTPH-DX	PAH 8270	PCBS 8082	MTCAs Metals	Field Note/# Containers
1	B1		Soil	4oz 2x10oz	X					X				
2	B2		↓	4oz						X				
3	B3		↓	4oz 2x10oz	X					X				40ml preserved CH <sub>2</sub> OH
4	B4		↓	4oz 2x10oz	X					X				11"
5	S1			4oz										40ml
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
Relinquished by:	Date / Time		Received by		Date / Time		Date / Time		Date / Time		Date / Time		Remarks:	
	1/22		Paul R. Burke		1/22/14 0928									
Relinquished by:	Date / Time		Received by		Date / Time		Date / Time		Date / Time		Date / Time		Good Condition?	
													Cold?	
Relinquished by:	Date / Time		Received by		Date / Time		Date / Time		Date / Time		Date / Time		Seals Intact?	
													Total Number of Containers	
													TAT 24HR 48HR 5-Day	