



AUG 17 2010

To All Interested Government Agencies and Public Groups:

Under the National Environmental Policy Act (NEPA), an environmental review has been performed on the following action.

TITLE: National Oceanic and Atmospheric Administration (NOAA)
Northwest Fisheries Science Center (NWFSC) Manchester Research
Station (MRS) Salmon Recovery Building

LOCATION: Port Orchard, Washington, United States

SUMMARY: The Final EA provides a comprehensive analysis of the potential for environmental effects to occur at the proposed building location and for the no-action alternative. Neither individual nor cumulative environmental impacts would be significant provided that mitigation measures specified in the EA are implemented.

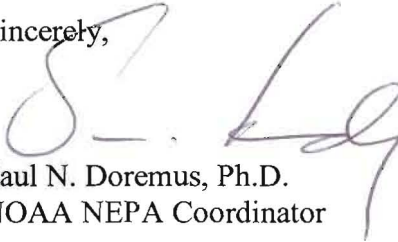
**RESPONSIBLE
OFFICIAL:** Mr. Eric C. Schwaab
Assistant Administrator for Fisheries
NOAA NMFS
1315 East West Highway
Silver Spring, MD 20910
(301) 713-2239 x195

**CORRESPONDENCE
COORDINATOR:** Mr. Tino Escalona
Project Planning and Management Division-Western Region
7600 Sand Point Way NE
Seattle, WA 98115
(206) 526-6479
tino.escalona@noaa.gov

The environmental review process led us to conclude that this action will not have a significant effect on the human environment. Therefore, an environmental impact statement will not be prepared. A copy of the finding of no significant impact (FONSI) including the supporting environmental assessment (EA) is enclosed for your information. Although NOAA is not soliciting comments on this completed EA/FONSI we will consider any comments submitted that would assist us in preparing future NEPA documents. Please submit any written comments to the responsible official named above.



Sincerely,



Paul N. Doremus, Ph.D.
NOAA NEPA Coordinator

Enclosures:

Finding of No Significant Impact: NOAA NWFSC MRS Salmon Recovery Building
Final Environmental Assessment: NOAA NWFSC MRS Salmon Recovery Building

Final Environmental Assessment

**NORTHWEST FISHERIES SCIENCE CENTER
Manchester Research Station Salmon Recovery Building
Port Orchard, WA**

**Prepared for
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
Project Planning and Management Division – Western Region
Seattle, Washington**

Prepared by

**Hoefler Consulting Group
Preston, Washington**

**In compliance with the
National Environmental Policy Act of 1969**

August 5, 2010

**Point of Contact:
Tino Escalona, P.E.
NOAA/OCAO/PPMD-WR/WC
7600 Sand Point Way NE
Seattle WA 98115-6349
(206) 526-6479**

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The National Oceanic and Atmospheric Administration (NOAA) is proposing to construct a pole building at the Northwest Fisheries Science Center Manchester Research Station in Port Orchard, Washington. The Manchester Research Station is owned and operated by NOAA and is located on the western shore of Clam Bay in Kitsap County. The physical address is 7305 Beach Drive East, Port Orchard Washington 98366. The general vicinity of the Manchester Research Station is shown on Figure 1. The proposed location for the pole building is shown on Figure 2. A more detailed site plan is shown on Figure 3. An overview of the building site is shown in Appendix B, Photo 1.

This environmental assessment is part of an initial planning process and has been prepared in accordance with provisions of the National Environmental Policy Act (NEPA) of 1969 (42 U.S.C. 4321 *et. seq.*), Council on Environmental Quality (CEQ) Regulations for Implementing the Procedural Provisions of the National Environmental Policy Act (40 CFR, Parts 1500-1508), and NOAA's Administrative Order (NAO) 216-6. The environmental assessment describes the proposed facility and operation. It also describes the existing environment, addresses impacts that could be associated with the proposed action, and discusses potential cumulative impacts associated with continued growth of facilities and operations at the Manchester Research Station. Finally, the environmental assessment includes a discussion of alternatives, a list of environmental regulations, and provides conclusions and recommendations. Documentation of agency correspondence and references is also included.

1.0 PURPOSE AND NEED

NOAA has been providing safety net rearing of Chinook salmon listed as endangered under the United States Endangered Species Act (ESA) at the Northwest Fisheries Science Center (NWFSC) Manchester Research Station (MRS) since 1991. Captive broodstocks for these fish have been reared in facilities at MRS facilities since 1994.

NOAA is currently engaged in a cooperative program with various state and tribal entities to preserve and recover two ESA listed Puget Sound Chinook stocks, the South Fork Nooksack River spring Chinook and the Stillaguamish River fall Chinook. This recovery action calls for the creation of captive broodstock programs for each stock. NOAA's participation in this recovery program involves rearing of these captive broodstocks in seawater at the MRS. Rearing in seawater is a natural and critical phase of the Chinook salmon life cycle. The MRS would receive juvenile fish each year, raise the juveniles to adult size, and return them to Nooksack and Stillaguamish hatcheries for spawning. This type of program allows for amplification of depressed or declining stocks to provide immediate aid toward recovery. In 2008 the NWFSC began providing safety net rearing at MRS for one of the two constraining stocks of Puget Sound Chinook, with rearing of the second stock scheduled to begin in 2011. However, due to an expansion of the current endangered Redfish Lake sockeye captive broodstock program at MRS, NOAA has a lack of available space for the Puget Sound

Chinook. Therefore a new facility has been proposed for construction to provide sufficient capacity to rear these stocks over a 10 year period. Without the new facility, NOAA would be unable to satisfy current obligations under the ESA.

2.0 PROPOSED ACTION AND PROJECT ALTERNATIVES

2.1 Proposed Action

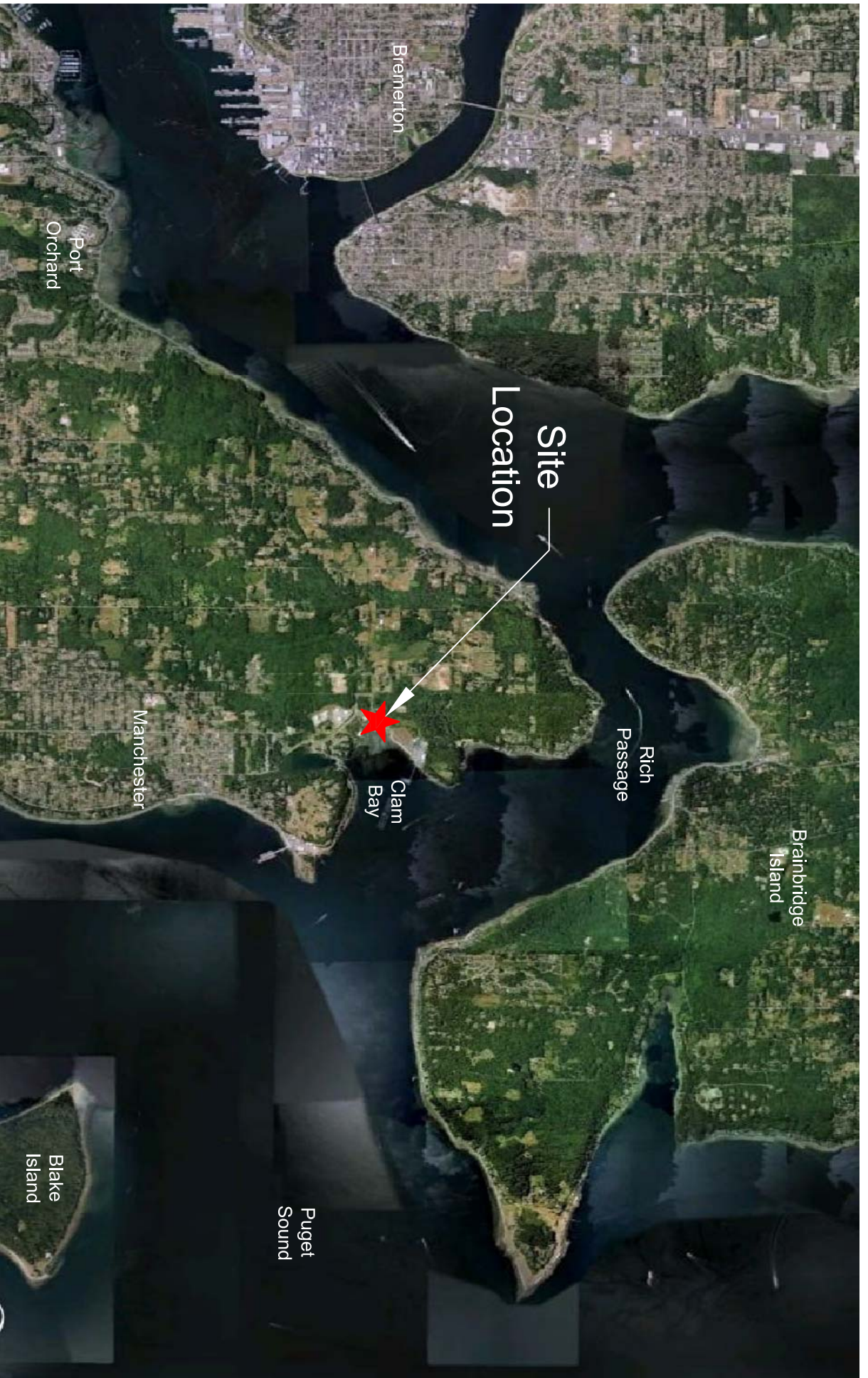
The proposed action is to build a new pole building at the NWFSC MRS, adjacent to existing facilities. The building would be 7,128 square feet (54' X 132') in size with a shallow foundation such as spread footings. It would contain 12 circular saltwater fish rearing tanks, each 16.5 feet in diameter and 5 feet deep (1,070 cubic feet), reference Appendix B Photo 2. Each year, approximately 1,000 juvenile fish would be brought into the facility and 500 mature fish would be shipped out to the hatcheries.

Manchester Research Station currently has a system in place for cycling water into and out of fish tanks at existing buildings. The existing infrastructure is adequate to satisfy capacity needs of both existing facilities and the proposed pole building. Saltwater is drawn from Clam Bay via a marine pipeline intake to fill rearing tanks. The marine water is filtered and treated in an ultraviolet (UV) system prior to entry into the tanks. The marine water is constantly cycled through the tanks at approximately 50 gallons per minute. Marine water exiting the tanks is returned to Clam Bay through polyvinyl chloride drain pipes. Prior to discharge into the bay, the water is treated with ozone, which prevents pathogens and other carbon based materials from entering Clam Bay. Existing pipeline would be extended to accommodate the new building. Any excavation required to extend the pipelines will not occur on any previously undisturbed land. Both the pipelines (seawater intake and seawater effluent) and the ozone treatment system have adequate capacity to serve the additional rearing tanks. There would be an increase in marine water use and discharge to Clam Bay, but all water use would still remain within the capacity of existing intake and discharge systems. The existing saltwater filtration system and UV system are shown in Appendix B Photos 3 and 4, the ozone gas tank is shown in Photo 5, and the effluent outfall is shown in Photo 6. Utility lines would also be extended from existing infrastructure to support the proposed building.

This proposed action would provide sufficient broodstock capacity to meet NOAA ESA obligations for the South Fork Nooksack River spring Chinook and the Stillaguamish River fall Chinook for the next 10 years.

2.2 Proposed Alternative – No Action Alternative

The No Action Alternative would result in the NWFSC MRS continuing operation at its current levels of activity. If adapted, there would not be adequate space to support current NOAA obligations under the ESA for the two listed Puget Sound Chinook stocks, the South Fork Nooksack River spring Chinook and the Stillaguamish River fall Chinook.



Not to Scale



General Vicinity Map

DATE: 5-19-2010

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FIGURE: 1

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Proposed Building Site

Beaver Creek

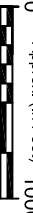
Beaver Creek Estuary

Clam Bay



SCALE

Approx. (In Feet) 1000



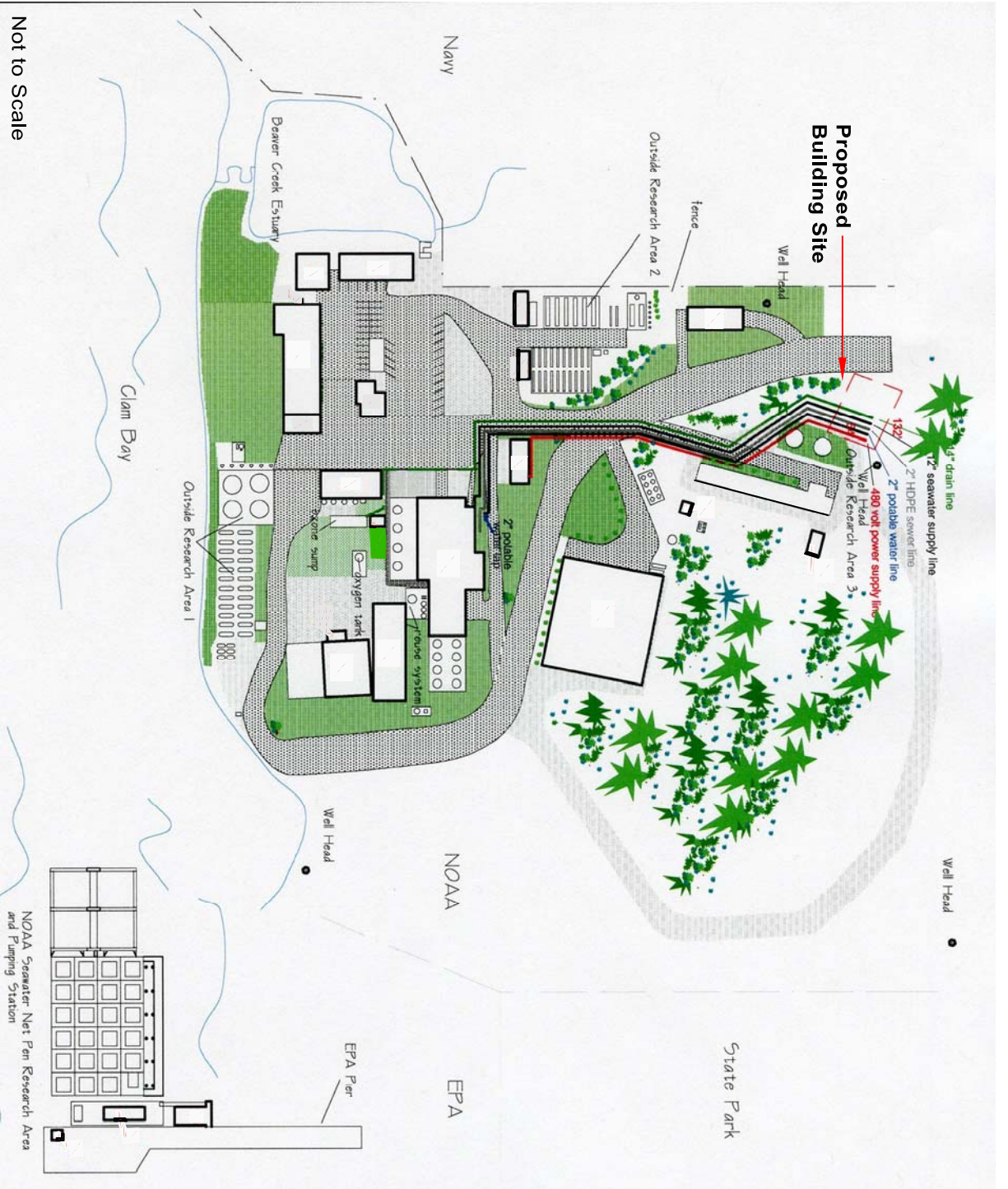
Proposed Location for Nooksack Pole Building

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FIGURE: 2

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Not to Scale



Detailed Site Plan at Manchester Research Station

DATE: 5-19-2010

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FIGURE: 3

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3.0 EXISTING ENVIRONMENT

3.1 Land Use

The MRS and proposed building site are located in a rural industrial area in Port Orchard, Washington. Port Orchard is within Kitsap County, one of fifteen coastal counties within Washington and subject to the State and County Coastal Zone Management (CZM) Programs. The MRS is zoned Military according to the Kitsap County Comprehensive Plan Land Use Map (amended: December 14, 2009) and Zoning Map (map date: January 2010). The area west of the MRS is zoned Rural Residential and contains farmland.

The pole building would be located about 2,000 feet inland to the west and southwest of the primary existing MRS facilities, which are adjacent to Clam Bay. According to NOAA personnel, the building site was previously owned by the Navy and was used as a ball field. The ground has been disturbed and is covered by approximately 2 feet of fill material. It is currently used for the storage and or staging of miscellaneous, non-hazardous, supplies in support of current NOAA activities at the MRS. The Environmental Protection Agency (EPA) Manchester laboratory and Manchester State Park are located to the North. Navy property is located to the south, including the Navy Fuel Depot. The MRS parking lot is part of the Old Navy Dump/Manchester Laboratory Superfund site and was used as a Fire Training Pit by the Navy. Further detail regarding this National Priorities List site is provided in Section 4.9.

3.2 Topography

The proposed building site is on the east side of the peninsula separating the Port Orchard and Rich Passages in Puget Sound. The area is characterized by north-northeast trending ridges up to approximately 60 feet above sea level. The proposed building site is approximately 20 to 40 feet above sea level. Land slopes away from the site towards the tidal flats of Clam Bay located approximately 700 feet to the east (Hart Crowser 1996).

3.3 Climate

The subject area is part of the Puget Sound Lowlands which encompasses a narrow strip of land along the west side of Puget Sound southward from the Strait of Juan de Fuca to the vicinity of Centralia and Chehalis and a somewhat wider strip along the east side of the Sound extending northward to the Canadian Border (Western Region Climate Center 2010). Variations in the temperature, length of the growing season, fog, rainfall and snowfall are due to such factors as distance from the Sound, the rolling terrain and air from over the ocean reaching this area through the Strait of Juan de Fuca and the Chehalis River valley. Occasionally in the winter season, cold air from the interior of Canada flows southward through the Fraser River canyon and over the northern Puget Sound lowlands.

Annual precipitation ranges from 32 to 35 inches from the Canadian Border to Seattle and gradually increases to 45 inches in the vicinity of Centralia. The winter season snowfall ranges from 10 to 20 inches. Both rainfall and snowfall increase with a slight increase in elevation and distance from the Sound. Snow generally melts rather quickly and depths seldom exceed six to 15 inches. The greatest snow depth recorded in Seattle is 29 inches. Most of this area is near the eastern edge of the “rain shadow” of the Olympic Mountains.

The average January maximum temperature ranges from 41° to 45° F and minimum temperatures from 28° to 32° F. With an increase in distance from the Sound, winter temperatures decrease and summer temperatures increase. Minimum temperatures ranging from 0° to -10° F have been recorded; however, temperatures seldom drop lower than 10° to 15° F. During July, the average maximum temperature ranges from 73° F near the Canadian Border to 78° F in the vicinity of Olympia, and the minimum temperature is near 50° F. Maximum temperatures have reached 100° F; however, in an average summer, 90° F or higher is only recorded on three to five days. The growing season is from the latter half of April until the middle of October (Western Regional Climate Center 2010).

3.4 Air Quality

The EPA has defined primary and secondary air quality standards for each criteria pollutant. Primary standards are designed to protect sensitive segments of the public, i.e. elderly, infants and those with respiratory impairment, from adverse health effects, which may result from prolonged exposure to the criteria pollutants. Secondary standards are designed to protect the general public welfare, particularly the natural environment and man-made structures, from adverse effects of the pollutant. Kitsap County is currently in attainment with EPA air quality standards.

The prevailing wind direction is south or southwest during the wet season and northwest in summer. The average wind velocity is less than 10 miles per hour. Although the Puget Sound Lowlands are the most densely populated and industrialized area in the State, there is sufficient wind most of the year to disperse air pollutants released into the atmosphere. Air pollution is usually most noticeable in the late fall and winter season, under conditions of clear skies, light wind and a sharp temperature inversion. These conditions only prevail a few days before a weather system moves through removing the pollution by wind and rain.

3.5 Geology

3.5.1 Seismic

The Puget Sound area is underlain by the Cascadia subduction zone where the Juan de Fuca tectonic plate is subducted beneath the North American plate. As a result, the area is subject to daily low magnitude seismic activity most of which

is not felt (King County 2004). However, large earthquakes, greater than magnitude 6.0 on the Richter scale do occur. In the past century, three large earthquakes have shaken the area, the Olympia event in 1949, the Seattle/Tacoma event in 1965 and in 2001 the 6.8 magnitude Nisqually event. In addition to the deep subduction zone related earthquakes, there is strong evidence for near surface crustal deformation events in the Puget Sound region such as along the Seattle Fault (King County 2004).

The Seattle Fault is believed to be a zone of thrust or reverse faults (Koshimura and Mofjeld 2005) that strike east-west approximately 5 to 10 miles north of the proposed building site. A group of geophysicists working on the Seismic Hazards Investigations of Puget Sound project in 2000 inferred that a magnitude 7.2 to 7.5 earthquake could occur along the 42 mile (70 kilometer) length of the Seattle Fault zone (Koshimura and Mofjeld 2005).

3.5.2 Soils

The region surrounding the site is comprised of Quaternary glacial, proglacial, and non-glacial unconsolidated deposits overlying an irregular Tertiary bedrock surface (Hart Crowser 1996). The shoreline typically consists of more recent beach deposits and other fill materials. Bedrock outcrops can be found in localized areas along the shoreline to the north and east, at variable depths within the general site vicinity.

Drilling in the immediate vicinity of the proposed building site, indicates approximately 100 feet of unconsolidated proglacial clay, silt, with sand lenses, capped by approximately 10 feet of older glacial till (Hart Crowser 1996).

3.5.3 Tsunami

Tsunamis are sea waves generated by an abrupt movement of large volumes of sea water such as might occur as the result of seabed displacement during a large earthquake. Historically, tsunamis generated in the north Pacific and South America have caused the most damage on the West Coast of the United States. Although, historical tsunami damage along the Washington Coast has been minor, the geologic records suggest that large tsunamis might have hit the area more than 1,000 years ago (King County 2004). In addition, there is also evidence in the geologic record to suggest that large subduction zone earthquakes in the Puget Sound region may have generated tsunamis as recently as 300 years ago; however, this assessment is speculative because no written records exist. In the assessment of geologic hazards for the Puget Sound region, the Best Available Science Report (King County 2004) indicated that the potential for future damage from tsunamis is great.

3.6 Hydrology

The region of the proposed project is drained by many small creeks and streams that predominantly flow northward and discharge into Puget Sound. Beaver Creek, located approximately 250 feet south of the site runs west to east and

flows through several small ponds on Navy property to the south of the proposed building site, before discharging into Clam Bay (Hart Crowser 1996).

3.7 Hydrogeology

There are three groundwater zones in the vicinity of the proposed building site; the Surficial Fill Unit, the Outwash Channel Aquifer, and the Deep Proglacial Water Bearing Zone (Hart Crowser 1996). Of the three, the Outwash Channel Aquifer is the most productive and is the only one currently used for local water supply. Logs from borings completed north and south of the proposed building location indicates that only the Deep Proglacial Water Bearing Zone aquifer underlies the site (Hart Crowser 1996).

The regional groundwater flow is to the east from upland areas, such as the proposed building site, toward the shoreline and Clam Bay. Based on groundwater elevation measurements, tidal influences are observed in wells close to the shore line but not in wells near the proposed building site (Hart Crowser 1996).

3.8 Floodplains

Executive Order 11988 – Flood Plain Management (1977), requires federal agencies to determine whether any proposed action will occur in a floodplain, and stipulates procedures to be located within a floodplain. The term “floodplain” in the Executive Order as : the lowland and relatively flat area adjoining inland coastal waters including flood-prone areas of offshore island, including at a minimum, that area subject to a one percent (1%) or greater chance of flooding in any given year. The Federal Emergency management Agency (FEMA) Flood Insurance Manual, dated 1985, indicated that the floodplain described in the Executive Order is, by definition, the 100-year floodplain. The FEMA regulations for Floodplain Management and Flood Hazard Identification (44 CFR 59 through 77) provide further clarification.

Review of FEMA Flood Insurance Map (FIRM) Community Panel Number 383 of 525, Map #53035C0383D for Kitsap County, Washington indicated that the subject site is not located within a 100-year floodplain. The referenced map is included in Appendix A.

3.9 Marine

Manchester Research Station is located on Clam Bay, a small bay adjoining the central basin of Puget Sound. An EPA owned pier extends out from the shorebank north of NOAA property. There is a commercial net pen facility that raises Atlantic salmon for eventual harvest and market sale located approximately 200 yards offshore.

Clam Bay has a history of human disturbance. The shoreline and intertidal zone were part of an EPA Superfund site project that removed contaminated sediments and put in clean fill. Sediments from Beaver Creek are deposited to

the south end of the bay largely during spring flooding. The bay has a shallow gradient (<5%) extending from the shoreline past the EPA Pier (Karnezis & Mayer 2003).

Aquatic vegetation in Clam Bay consists of macro-algae (*Ulva lactuca*) and Eelgrass (*Zostera capensis*) which exist in patches at a maximum depth of 8 feet (Karnezis & Mayer 2003). This vegetation provides fish forage habitat.

A 1995 ecological survey conducted by Hart Crowser of the Manchester Annex Superfund site observed Brandt's cormorant, great blue heron, glaucous-winged gull, killdeer and American widgeon in the intertidal zone (Hart Crowser, 1996).

3.10 Biotic

3.10.1 Vegetation

The previously cleared building site is grassland with a substrate consisting of fill dirt and gravel. Woody vegetation is regularly removed as a result of the area being maintained as a storage yard where large piles of material and pieces of equipment are moved around and left to set for various periods of time. The plant community surrounding the site is comprised of trees, shrubs, ferns, grasses, and flowering herbs. The grassland is a mixture of grasses and herbs. Dominant tree species include sitka spruce (*Picea sitchensis*), western red cedar (*Thuja plicata*), grand fir (*Abies grandis*). The shrub community includes red alder (*Alnus rubra*), willow (*salix sp.*) and vine maple (*Acer circinatum*) but is dominated by introduced plant species such as scotch broom (*Cytisus scoparius*) and blackberry (*Rubus sp.*).

3.10.2 Wildlife

The greater Puget Sound area is rich in marine, freshwater and wetland species, including invertebrates, birds, fish, mammals, and plankton. Common species found throughout western Washington include deer, elk, fox, bobcat, coyote, hare, raccoon, river otter, beaver, muskrat, small rodents, shrews, hawks, owls, ducks, geese, swallows, red-winged blackbird, killdeer, woodpeckers and a variety of song birds (USFWS 2010).

A 1995 ecological survey conducted by Hart Crowser of the Manchester Annex Superfund site observed American crow, rock dove, pheasant, song sparrow, chipping sparrow, American robin and coyote (Hart Crowser 1996).

3.10.3 ESA and T&E Species

The United States Fish and Wildlife Service (USFWS) Western Washington Region's website, accessed on 13 May 2010, provided information about the listed and proposed Endangered Species, Threatened Species, Critical Habitat, Concern and Candidate Species in Kitsap County. The database provided two ESA listed species, one candidate species and twelve species of concern (Appendix A).

3.11 Historical/Cultural Resources

Existing structures at the site are a well house associated with past investigation and monitoring of the National Priority List site (Reference Section 4.13) and a salmon spawning channel constructed by NOAA. According to NOAA personnel the spawning channel was constructed about 12 years ago. Both structures are outside of the proposed building footprint. In addition, the building area has been previously disturbed. According to NOAA personnel, approximately 2 feet of fill material covers the area. Three tribes have traditional lands within the Kitsap Peninsula, the Suquamish, Port Gamble S'Klallam, and Skokomish.

3.12 Wildlife Refuges

National Wildlife Refuges (NWR) located in Washington are listed in a database maintained by the USFWS. According to the USFWS database reviewed online 21 May 2010, the nearest NWR is Nisqually National Wildlife Refuge, 31.6 miles from the site in Olympia, Washington.

3.13 Contaminated Sites

A database search provided by Environmental Data Resources, Inc. (EDR) was reviewed to identify any contamination concerns on or near the proposed project site. EDR reviews databases compiled by federal, state, and local governmental agencies. A summary of the database search is provided in Table 1, below. Five sites were identified as being within one mile of the proposed building site. Of the five sites, four appear to be associated with various areas of the Manchester Annex which the proposed building site utilizes a portion of. The Manchester Annex houses NOAA and EPA facilities and is also the location of National Priorities List site Old Navy Dump/Manchester Laboratory. The fifth mapped site refers to the FISC Puget Sound Fuel Depot located approximately 1/2 mile south-southeast of the proposed building site. The Bangor Naval Submarine Base, not mapped but listed in the Map Findings, is located approximately 10 miles to the northwest. In addition to mapped sites, the EDR report identified 11 sites that could not be mapped due to poor or inadequate address information. Of the 11 sites, 8 could not be located in the vicinity of the proposed building site. The remaining three sites (Country Junction Store, Wilkins Distributing Co. and Bowman Heating Oil) are located greater than 1 mile from the proposed building site and are of no concern. The EDR report is included in Appendix D.

The Old Navy Dump/Manchester Laboratory (Manchester Annex) National Priorities List site is located adjacent to the proposed building site and includes a portion of the MRS. The site was historically owned and operated by the U.S. Navy for submarine net maintenance, fire training, and waste disposal activities. The site is now owned and operated by the U.S. Environmental Protection Agency and NOAA. The Superfund site was comprised of a landfill, a fire training area, and contamination of the Clam Bay tidal flat. The landfill is located to the north of the MRS. The former fire training area is located at the MRS and currently serves as the parking lot for the facility. Cleanup activities at the

Manchester Annex site are complete. The second five year review was completed in 2009. Residual levels of petroleum hydrocarbons remain in the soil at the former fire training pit. The area is capped and covered by the MRS parking lot. An institutional control plan (ICP) is in process but has not yet been completed. Per consultation with the United States Army Corps of Engineers (USACE), institutional controls are expected to include limitations on digging and/or personal protective equipment for personnel in areas where residual levels of petroleum hydrocarbons remain. All activities associated with the construction of the pole building are anticipated to be outside the boundaries of institutional controls.

The proposed building site is not within any of the identified contaminated sites, is outside any anticipated institutional control area, is higher in elevation, and was not a part of the cleanup. Two monitoring wells associated with the Superfund site are located on NOAA property. One is on the proposed building site (well house to the west of the proposed building footprint). However, the local groundwater is not a source of potable water or other water uses.

Table 1 EDR Database Search Summary

Type of Database	Description of Database	Search Radius (Miles)	Number of Sites Plotted
NPL	National Priorities List	1.0	1
Proposal NPL	Proposed National Priorities List Sites	1.0	0
NPL Liens	National Priority List properties with liens	TP	0
Delisted NPL	Delisted National Priority List Sites	1.0	0
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System	0.5	1
Federal Facility	Federal Facility Site Information Listing	1.0	0
CERC – NFRP	CERCLIS No Further Remedial Action Planned	0.5	0
CORRACTS	Corrective Action Report	1.0	1
RCRA-TSDF	Resource Conservation and Recovery Act – Treatment, Storage and Disposal Facility	0.5	0
RCRA - LQG	Resource Conservation and Recovery Act – Large Quantity Generator	0.25	0
RCRA - SQG	Resource Conservation and Recovery Act – Small Quantity Generator	0.25	0
RCRA - CESQG	Resource Conservation and Recovery Act – Conditionally Exempt Small Quantity Generator	0.25	0
US ENG CONTROLS	Engineering Controls Site List	0.5	1
US INST CONTROLS	Institutional Controls Site List	0.5	1
ERNS	Emergency Response Notification System	TP	0
HSL	State of Washington Hazardous Site List	1.0	1
CSCSL	State of Washington Confirmed and Suspected Hazardous Site List	1.0	1
SWF/LF	State Solid Waste Facilities/Landfills	0.5	0

Environmental Assessment
 NWFSC, Manchester Research Station Salmon Recovery Building

Type of Database	Description of Database	Search Radius (Miles)	Number of Sites Plotted
LUST	State of Washington Leaking Underground Storage Tank Listing	0.5	0
Indian LUST	Leaking Underground Storage Tanks on Indian Land	0.5	0
UST	State of Washington Underground Storage Tank Listing	0.25	0
AST	State of Washington Above Ground Storage Tank Listing	0.25	0
INDIAN UST	Underground Storage Tanks on Indian Land	0.25	0
FEMA UST	Listing of Federal Emergency Management Agency Owned Underground Storage Tanks	0.25	0
INST CONTROL	State of Washington List of Sites With Institutional Controls	0.5	0
VCP	State of Washington Voluntary Cleanup Program	0.5	0
Indian VCP	Indian Voluntary Cleanup Program	0.5	0
ICR	State of Washington Independent Cleanup Reports	0.5	0
Brownfields	State of Washington Brownfield Sites	0.5	0
US Brownfields	Environmental Protection Agency Listing of Brownfield Sites	0.5	0
ODI	Open Dump Inventory	0.5	0
Debris Region 9	Torres Martinez Illegal Dump Site Information	0.5	0
SWTIRE	State of Washington Solid Waste Tire Facilities	0.5	0
Indian ODI	Report On Status of Open Dumps on Indian Land	0.5	0
USCDL	U.S. Clandestine Drug Lab Listing	TP	0
All Sites	State of Washington Facility/Site Identification System Listing	0.5	2
CSCSL NFA	State of Washington Confirmed and Contaminated Sites No Further Action Planned	0.5	0
CDL	State of Washington Clandestine Drug Lab Listing	TP	0
HIST CDL	List of Sites Contaminated By Clandestine Drug Labs	TP	0
US HIST CDL	National Clandestine Drug Lab Register	TP	0
LIENS 2	CERCLA Lien Information	TP	0
LUCIS	U.S. Navy Land Use Control Information System	0.5	0
HMIRS	U.S. Department of Transportation Hazardous Materials Information Reporting System	TP	0
Spills	State of Washington Spills Listing	TP	0
RCRA-NonGen	Resource Conservation and Recovery Action listing of Non-Generators	0.25	0

3.14 Public Services

The existing MRS facility is served by the Manchester Water District (potable water), the Kitsap County Sewer District, Puget Sound Energy, the Kitsap County Sheriff's Office and the Kitsap County Fire Marshall's Office. Existing utility lines will be extended to serve the proposed building (Figure 3). The utilities that will be extended to the proposed building will be buried under an existing asphalt road.

4.0 ENVIRONMENTAL CONSEQUENCES

The environmental impacts from the proposed project are evaluated from the perspective of significance according to CEQ regulations and NOAA NAO 216-6 guidance. Those environmental impacts which either represent a potential concern or require mitigation are identified in this section.

4.1 Land Use

There would be no adverse impact to land use at the proposed building site or surrounding areas. Land use in the area is rural industrial and is anticipated to remain the same in the foreseeable future. The proposed project would be located within the existing NOAA Manchester Research Station so it would be a compatible land use. Other facilities currently existing at the MRS are used for similar purposes. The newly constructed facility would support current and ongoing operations.

4.1.1 Coastal Zone Management

The State of Washington Department of Ecology (DOE) implements the national CZM Program through the Washington Shoreline Management Act. Local Shoreline Master Programs apply the Shoreline Management Act at the community level. Kitsap County is responsible for the Shoreline Master Program in the Port Orchard area. The program is currently being updated with a target completion date of 2012. An overarching stated purpose of the program is to ensure a priority for uses that require a shoreline location with an emphasis on uses that control pollution and prevent damage to the natural environment. The proposed facility would require a marine water source to meet NOAA's objectives of rearing captive salmon broodstocks in seawater as a critical phase in the salmon life cycle. Recycling marine water from Clam Bay is necessary to meet this purpose, and therefore the need for a shoreline location is consistent with Washington Shoreline Management Act and Kitsap County Shoreline Master Program.

Activities conducted within Washington's coastal counties which involve federal activities require a written CZM Consistency Determination. The DOE has been consulted in accordance with the CZM Program and has agreed that the proposed project is consistent. The CZM Consistency Determination and associated correspondence with the DOE is in Appendix C.

4.1.2 Socioeconomics

The proposed project would not result in the infusion of significant monies into the local or regional economy. However, financial benefit from the continuation of the ESA programs at MRS would continue. The project is not expected to generate any new jobs, but would help maintain existing jobs. The project should have a small but positive impact on the socioeconomics of the community.

4.1.3 Traffic & Circulation

Construction of the proposed building at the MRS site is not anticipated to create any significant or operational adverse transportation impacts. Construction impacts would be minor and temporary. There would be no significant increase in staffing or vehicle trips as a direct result of the proposed project.

4.1.4 Visual Quality

Visual quality is not a significant concern for this project since the proposed building would be located in a rural industrial setting. In addition, the building would not change the aesthetic quality of the area as it would be similar to structures already existing at the MRS and surrounding areas.

4.1.5 Noise

There would be minor temporary noise impacts during project construction due to a small increase in vehicle traffic and the use of construction equipment. It is not anticipated that mitigation measures would be necessary since proposed building site is located in a rural industrial area and the near adjacent neighbors are not likely to be sensitive to the levels of noise generated. The construction contractor would comply with local noise ordinances and respond accordingly if complaints are received. Once project construction is completed, there would be no noise impacts.

4.1.6 Recreational Resources

The proposed project should not impact recreational resources in the area. The proposed building site is owned by NOAA and is an extension of the MRS. In addition, the area is within the Manchester Annex which is a rural industrial area that houses operations of NOAA and EPA.

4.2 Topography

The project would have no impact on the topography of the area. The building site is relatively flat and is currently covered with approximately 2 feet of fill.

4.3 Climate

The proposed project would have no perceptible effect on climate in the area. The increase in energy and associated greenhouse gases to power the proposed facilities is insignificant.

4.4 Air Quality

There would be small, temporary impacts to air quality during the construction of

the preferred alternative due to a minor increase in vehicle traffic, operation of construction equipment, and a localized increase in particulate matter (dust) during building construction. Through the use of construction best management practices (BMPs) and mandating that the construction contractor abide by all local, state and federal air quality regulations, these temporary impacts would be minimized.

Kitsap County is currently in attainment with EPA air quality standards and the proposed project would not significantly increase traffic volume or result in significant emissions of any primary pollutants. Therefore, the impacts should not represent a significant adverse effect.

4.5 Geology

The proposed action would not have any adverse impact to the geology of the area. Based on historical records of seismic activity and recent geophysical research, the Puget Sound region, including the proposed building site, is subject to risk of earthquake damage as a result of ground shaking; surface faulting, subsidence and uplift, landslides, soil liquefaction, and tsunami (King County 2004). However, the extent of damage to a specific area or structure is a function of an earthquake's magnitude, depth, distance, and duration, as well as thickness and type of geologic materials, and building construction. In general, loose and/or unconsolidated material tends to amplify ground motion relative to consolidated sediments and bedrock. The building would be constructed in accordance with construction codes, including seismic provisions, currently applicable to Kitsap County.

4.6 Hydrology

The proposed action would not result in any significant impact to drainage or water quality in the area. The constructed building would have gutters and downspouts to handle storm water runoff. Area disturbed during construction would be re-vegetated and Best Management Practices (BMPs) would be followed to reduce surface water runoff velocity and associated erosion. Because the proposed building site is less than one acre in size, an EPA National Pollution Discharge Elimination System (NPDES) Construction Stormwater permit would not be required.

4.7 Hydrogeology

The proposed building would be a shallow foundation such as spread footings. There should be no effect on groundwater in the area. In addition, the groundwater is not used as a potable water source. Data indicates that the aquifer would not produce enough to be a viable source of water (Hart Crowser 1996).

4.8 Floodplains

Review of FEMA Flood Insurance Map (FIRM) Community Panel Number 383 of 525, Map #53035C0383D for Kitsap County, Washington indicated that the

subject site is not located within a 100-year floodplain. The referenced map is included in Appendix A.

4.9 Marine

As previously discussed, the MRS draws water from Clam Bay for use in saltwater tanks for rearing fish. The proposed building would house twelve saltwater tanks that would also utilize the Clam Bay water source. According to NOAA staff, marine effluent from the saltwater tanks is treated with ozone at approximately 1 part per million. This treatment system is formula based (gas input rate is adjusted to wastewater flow rate) with periodic checks taking place via Oxidation Reduction Potential method. The process oxidizes all possible pathogens as well as any iodine to clean the fish tanks. The tanks do not require much cleaning because saltwater is circulated through them at 50 gallons per minute. On average 1 to 2 tanks are drained and cleaned with iodine per year.

In Washington State, the United States EPA enforces the NPDES Program for Federal Agencies. The NPDES permit program regulates the discharge of pollutants into waters of the United States. According to a letter from EPA dated 6 August 2009 (Appendix A) and correspondence with the EPA Region 10 NPDES Permits Unit on 19 May 2010 (Appendix C), the MRS does not need coverage under an NPDES permit to discharge the subject marine effluent to Clam Bay provided production and feed levels remain below the thresholds for coverage under Permit No. WAG1030000. The thresholds for coverage under that permit are those for a Concentrated Aquatic Animal Production (CAAP) facility: 20,000 pounds of fish produced per year and 5,000 pounds of food fed during the calendar month of maximum feeding. Based on information provided by NOAA, current production and feed levels are approximately 9,180 pounds and 2,240 pounds, respectively. The increase in production and feed levels, due to the operation of the proposed facilities, would not exceed the CAAP facility thresholds.

4.10 Biotic

4.10.1 Vegetation

There could be short term, temporary adverse impacts to the plant community surrounding the site during construction. However, because the building site has been previously disturbed, there would be no significant impact. In addition, the area would be re-vegetated once construction is complete.

4.10.2 Wildlife

There could be short term, temporary disturbance to the wildlife in the area during construction. However, there should be no long term impacts. No critical habitat is being disrupted.

4.10.3 ESA and T&E Species

Section 7 of the ESA requires all federal agencies to consider and avoid, if

possible, adverse impacts to federally-listed or endangered species or their critical habitat, which may result from their direct, regulatory, or funding actions. Section 9 of the ESA also prohibits the “taking” of any federally-listed species by any person without prior authorization. The term “taking” is broadly defined at the federal level and explicitly extends to any habitat modifications that may significantly impair the ability of that species to feed, reproduce, or otherwise survive.

The USFWS was consulted regarding the proposed project. The USFWS indicated that the project would not affect listed species or trust resources provided that adequate precautions are taken during operations of the new facility to ensure that no pathogens or measureable quantities of chemicals are released into the marine environment. Existing marine effluent treatment systems are adequate to serve both existing facilities and the new pole building and maintain effluent levels below NPDES discharge levels. These discharge levels protect marine species.

4.11 Historical/Cultural Resources

The proposed building site was cleared many years ago, covered with about two feet of fill material, and allowed to revegetate with grasses and weeds. The site is currently used as a storage and staging yard, and was formerly used as a Navy ball field. A site reconnaissance indicated that there are no historic structures on the proposed project site. Previous projects in the immediate vicinity, such as the spawning channel, have not yielded any evidence of important cultural or archaeological resources. Three tribes (Suquamish, Port Gamble S’Klallam, and Skokomish) that traditionally use Kitsap Peninsula lands were contacted regarding the proposed project. The Suquamish Tribe requested that a professional archaeologist monitor all ground-disturbing construction excavation and that they be notified when construction monitoring occurs. As a precautionary measure NOAA agreed to the monitoring. The other two Tribes had no concerns. Additionally, the Washington Department of Archaeology and Historical Preservation was consulted. No evidence has been found of significant historical, cultural, or archaeological resources at the project site, and no further investigation is warranted. Correspondence is provided in Appendix C.

4.12 Wildlife Refuges

The proposed project would have no impact on Wildlife Refuges. A database search indicated that the closest NWR is 31.6 miles from the proposed building site.

4.13 Contaminated Sites

The proposed project would have no impact on the Old Navy Dump/Manchester Lab Superfund site. The building site is outside of the area subject to institutional controls and groundwater in the area is not a source of potable water. Construction personnel would be made aware of restrictions on digging at the former fire training pit.

4.14 Public Services

The proposed project would not result in a perceptible increase in the need for public services in the area. Existing services have the capacity to support the new building. Infrastructure currently in place and serving the MRS would be extended to the new building.

No schools would be impacted by the proposed project since there would be no increase in the MRS staffing levels. The proposed alternative could provide educational opportunities for schools and other groups.

4.15 Growth Inducing Impacts

The proposed project is intended to provide additional fish rearing space to support obligations of NOAA to ESA programs. This project is part of an existing facility, MRS, and should not directly influence additional expansion in the area. The project is not expected to result in additional employment or significant resource usage. The changes associated with the added facility would be minor and are not anticipated to represent a significant impact, adverse or otherwise.

4.16 Cumulative Impacts

The project is proposed in response to a need to address endangered species obligations for two stocks of Chinook salmon. The proposed MRS facility would support the seawater breeding program. Two existing facilities, the Kendall Creek Hatchery on Kendall Creek (a tributary to the Nooksack River) and Skookum Hatchery will support the freshwater program. The Washington Department of Fish and Wildlife is responsible for the Kendall Creek Hatchery. The Nooksack and Lummi Tribes are responsible for the Skookum Hatchery.

This proposed action is a small project in support of a larger NOAA effort to implement Endangered Species Act obligations for the recovery of Pacific Coast salmon. Broader salmon management issues were reviewed in 2003 through a programmatic environmental impact statement (NOAA 2003). This proposed action would have no adverse cumulative impact on the environment.

5.0 MITIGATION MEASURES

5.1 Preferred Alternative

The proposed action would result in the construction of a pole building for fish rearing at Manchester Research Station to meet NOAA's fish rearing obligations under the ESA. The proposed action would not result in significant impacts to the environment. The proposed building site is situated adjacent to the existing research facility and would use available capacity from existing infrastructure. Best management practices should be employed during construction for minimizing the impacts to the air, water, and noise environment, and for proper handling of hazardous materials. At the request of the Suquamish Tribe, a

professional archaeologist will be on site to monitor all ground-disturbing activities during building construction. No additional mitigation measures have been identified for this project. There should be virtually no impact once the facility is operational.

5.2 No Action

Under the No Action Alternative, existing NOAA facilities would remain unchanged and would not result in additional impacts to the natural environment.

6.0 PUBLIC COMMENT

The Draft Environmental Assessment was made available for public and agency review and comment from July 2, 2010 until August 2, 2010. The Draft EA and public notice announcement were posted to the NOAA website at the following address: (http://www.seco.noaa.gov/NWFSC_Manchester_EA.html). A public notice announcement was also published in the Kitsap Sun newspaper and on the Kitsap Sun website. No comments were received.

7.0 LIST OF PREPARERS AND AGENCIES CONSULTED

The following is a list of preparers:

Brian Hoefler, P.E
Hoefler Consulting Group
3401 Minnesota Drive, Suite 300
Anchorage, Alaska 99503
Master of Science in Civil Engineering
University of Washington
Bachelor of Science, Major: Civil and Environmental Engineering
Cornell University
Years of Experience: 25

Wendy Mitchell, Senior Scientist
Hoefler Consulting Group
3401 Minnesota Drive, Suite 300
Anchorage, Alaska 99503
Bachelor of Science, Major: Physics, Emphasis: Computational Physics
Oregon State University, Corvallis, Oregon
Years of Experience: 14

Aislin Muto, Associate Scientist
Hoefler Consulting Group
30545 SE 84th Street #5
Preston, Washington 98050

Bachelor of Science, Major: Environmental Science
Western Washington University, Huxley College, Bellingham, WA
Years of Experience: 2

Federal, state and local agencies were consulted regarding the proposed project or for information for inclusion in this environmental assessment. A list of agencies contacted is presented in Appendix C. Many of the agencies were sent a letter including a project description and request for comments or concerns, this correspondence is also presented in Appendix C.

8.0 REFERENCES

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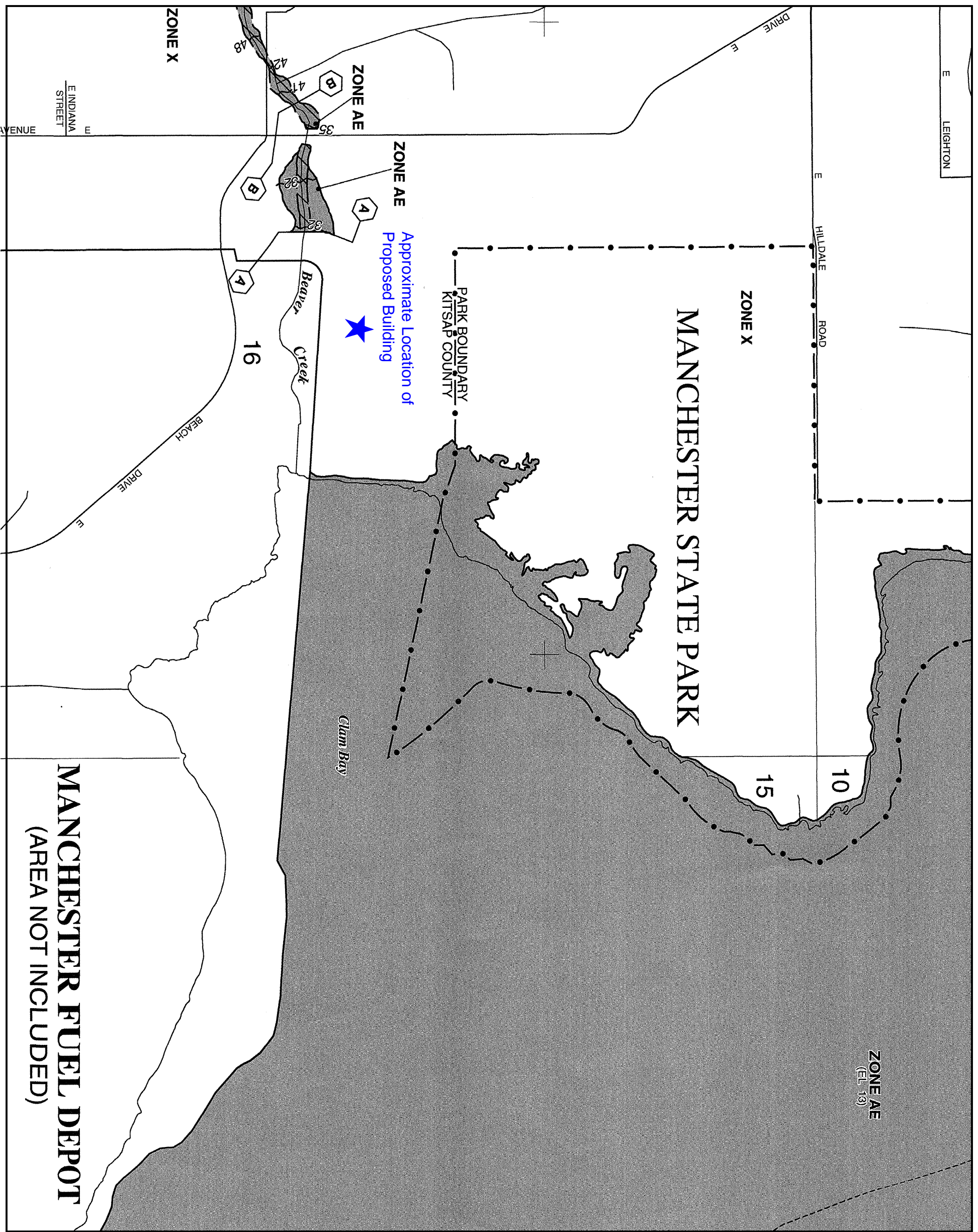
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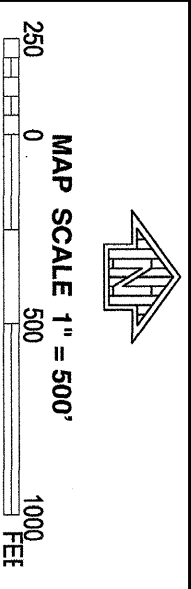
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Appendix A - Reference Materials

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**MANCHESTER FUEL DEPOT
(AREA NOT INCLUDED)**



FIRM
FLOOD INSURANCE RATE MAP
KITSAP COUNTY,
WASHINGTON
AND INCORPORATED AREAS

PANEL 383 OF 525
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)
CONTAINS:
COMMUNITY NUMBER PANEL SUFFIX
KITSAP COUNTY 530092 0383 D
RAINBRIDGE ISLAND, CITY 530307 0383 D

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.



MAP NUMBER
53035C0383D
EFFECTIVE DATE
DECEMBER 18, 2007

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.nsc.fema.gov

Definitions of FEMA Flood Zone Designations

Flood zones are geographic areas that the FEMA has defined according to varying levels of flood risk. These zones are depicted on a community's Flood Insurance Rate Map (FIRM) or Flood Hazard Boundary Map. Each zone reflects the severity or type of flooding in the area.

Moderate to Low Risk Areas

In communities that participate in the NFIP, flood insurance is available to all property owners and renters in these zones:

ZONE	DESCRIPTION
B and X (shaded)	Area of moderate flood hazard, usually the area between the limits of the 100-year and 500-year floods. B Zones are also used to designate base floodplains of lesser hazards, such as areas protected by levees from 100-year flood, or shallow flooding areas with average depths of less than one foot or drainage areas less than 1 square mile.
C and X (unshaded)	Area of minimal flood hazard, usually depicted on FIRMs as above the 500-year flood level. Zone C may have ponding and local drainage problems that don't warrant a detailed study or designation as base floodplain. Zone X is the area determined to be outside the 500-year flood and protected by levee from 100-year flood.

High Risk Areas

In communities that participate in the NFIP, mandatory flood insurance purchase requirements apply to all of these zones:

ZONE	DESCRIPTION
A	Areas with a 1% annual chance of flooding and a 26% chance of flooding over the life of a 30-year mortgage. Because detailed analyses are not performed for such areas; no depths or base flood elevations are shown within these zones.
AE	The base floodplain where base flood elevations are provided. AE Zones are now used on new format FIRMs instead of A1-A30 Zones.
A1-30	These are known as numbered A Zones (e.g., A7 or A14). This is the base floodplain where the FIRM shows a BFE (old format).
AH	Areas with a 1% annual chance of shallow flooding, usually in the form of a pond, with an average depth ranging from 1 to 3 feet. These areas have a 26% chance of flooding over the life of a 30-year mortgage. Base flood elevations derived from detailed analyses are shown at selected intervals within these zones.
AO	River or stream flood hazard areas, and areas with a 1% or greater chance of shallow flooding each year, usually in the form of sheet flow, with an average depth ranging from 1 to 3 feet. These areas have a 26% chance of flooding over the life of a 30-year mortgage. Average flood depths derived from detailed analyses are shown within these zones.
AR	Areas with a temporarily increased flood risk due to the building or restoration of a flood control system (such as a levee or a dam). Mandatory flood insurance purchase requirements will apply, but rates will not exceed the rates for unnumbered A zones if the structure is built or restored in compliance with Zone AR floodplain management regulations.
A99	Areas with a 1% annual chance of flooding that will be protected by a Federal flood control system where construction has reached specified legal requirements. No depths or base flood elevations are shown within

these zones.

High Risk - Coastal Areas

In communities that participate in the NFIP, mandatory flood insurance purchase requirements apply to all of these zones:

ZONE	DESCRIPTION
V	Coastal areas with a 1% or greater chance of flooding and an additional hazard associated with storm waves. These areas have a 26% chance of flooding over the life of a 30-year mortgage. No base flood elevations are shown within these zones.
VE, V1 - 30	Coastal areas with a 1% or greater chance of flooding and an additional hazard associated with storm waves. These areas have a 26% chance of flooding over the life of a 30-year mortgage. Base flood elevations derived from detailed analyses are shown at selected intervals within these zones.

Undetermined Risk Areas

ZONE	DESCRIPTION
D	Areas with possible but undetermined flood hazards. No flood hazard analysis has been conducted. Flood insurance rates are commensurate with the uncertainty of the flood risk.

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**LISTED AND PROPOSED ENDANGERED AND THREATENED SPECIES AND CRITICAL
HABITAT; CANDIDATE SPECIES; AND SPECIES OF CONCERN
IN KITSAP COUNTY
AS PREPARED BY
THE U.S. FISH AND WILDLIFE SERVICE
WESTERN WASHINGTON FISH AND WILDLIFE OFFICE**

(Revised November 1, 2007)

LISTED

Bull trout (*Salvelinus confluentus*) [marine waters]

Marbled murrelet (*Brachyramphus marmoratus*) [marine waters]

Major concerns that should be addressed in your Biological Assessment of project impacts to listed species include:

1. Level of use of the project area by listed species.
2. Effect of the project on listed species' primary food stocks, prey species, and foraging areas in all areas influenced by the project.
3. Impacts from project activities and implementation (e.g., increased noise levels, increased human activity and/or access, loss or degradation of habitat) that may result in disturbance to listed species and/or their avoidance of the project area.

DESIGNATED

None

PROPOSED

None

CANDIDATE

Yellow-billed cuckoo (*Coccyzus americanus*)

SPECIES OF CONCERN

Bald eagle (*Haliaeetus leucocephalus*)

Long-eared myotis (*Myotis evotis*)

Long-legged myotis (*Myotis volans*)

Northern goshawk (*Accipiter gentilis*)

Northern sea otter (*Enhydra lutris kenyoni*)

Northwestern pond turtle (*Emys* (= *Clemmys*) *marmorata marmorata*)

Pacific lamprey (*Lampetra tridentata*)

Pacific Townsend=s big-eared bat (*Corynorhinus townsendii townsendii*)

Peregrine falcon (*Falco peregrinus*)

River lamprey (*Lampetra ayresi*)

Tailed frog (*Ascaphus truei*)

Western toad (*Bufo boreas*)

ENDANGERED, THREATENED, PROPOSED, AND CANDIDATE SPECIES, CRITICAL HABITAT, AND SPECIES OF CONCERN IN WESTERN WASHINGTON¹

COMMON NAME	SCIENTIFIC NAME	RECOVERY PRIORITY NUMBER
Endangered Animals		
Columbian white-tailed deer	<i>Odocoileus virginianus leucurus</i>	9c
Gray wolf	<i>Canis lupus</i>	3c
Leatherback sea turtle	<i>Dermochelys coriacea</i>	1
Short-tailed albatross	<i>Phoebastria albatrus</i>	8
Endangered Plants		
Bradshaw's desert-parsley	<i>Lomatium bradshawii</i>	2
Marsh sandwort	<i>Arenaria paludicola</i>	5
Threatened Animals		
Bull trout (Coastal-Puget Sound and Columbia River DPS)	<i>Salvelinus confluentus</i>	9c
Canada lynx	<i>Lynx canadensis</i>	15
Green sea turtle	<i>Chelonia mydas</i>	1c
Grizzly bear	<i>Ursus arctos horribilis</i>	3c
Loggerhead sea turtle	<i>Caretta caretta</i>	7c
Marbled murrelet	<i>Brachyramphus marmoratus</i>	2
Northern spotted owl	<i>Strix occidentalis caurina</i>	6c
Olive ridley sea turtle	<i>Lepidochelys olivacea</i>	8c
Oregon silverspot butterfly	<i>Speyeria zerene hippolyta</i>	3c
Western snowy plover	<i>Charadrius alexandrinus nivosus</i>	3c
Threatened Plants		
Golden paintbrush	<i>Castilleja levisecta</i>	2
Kincaid's lupine	<i>Lupinus sulphureus</i> ssp. <i>Kincaidii</i>	9
Nelson's checker-mallow	<i>Sidalcea nelsoniana</i>	5
Water howellia	<i>Howellia aquatilis</i>	7
Designated Critical Habitat		
Marbled murrelet		
Northern spotted owl		
Western snowy plover, Pacific Coast Population		
Bull Trout		
Kincaid's lupine		
Proposed Species		
Dolly Varden (<i>Salvelinus malma</i>) similarity of appearance		
Proposed Critical Habitat		
Revised marbled murrelet critical habitat		

COMMON NAME	SCIENTIFIC NAME	LISTING PRIORITY NUMBER
Candidate² Animals		
Fisher (West Coast DPS)	<i>Martes pennanti</i>	6
Mardon skipper	<i>Polites mardon</i>	8
Mazama pocket gopher	<i>Thomomys mazama</i> (ssp. <i>couchi</i> , <i>douglasii</i> , <i>glacialis</i> , <i>louiei</i> , <i>melanops</i> , <i>pugetensis</i> , <i>tacomensis</i> , <i>tumuli</i> , <i>yelmensis</i>)	3
Oregon spotted frog	<i>Rana pretiosa</i>	2
Streaked horned lark	<i>Eremophila alpestris strigata</i>	3
Taylor's (Whulge or Edith's) checkerspot butterfly	<i>Euphydryas editha taylori</i>	3
Yellow-billed cuckoo	<i>Coccyzus americanus</i>	3
Candidate² Plants		
Northern wormwood	<i>Artemisia campestris</i> ssp. <i>borealis</i> var. <i>wormskioldii</i>	3
Animal Species of Concern³		
Aleutian Canada goose	<i>Branta canadensis leucopareia</i>	
Bald eagle	<i>Haliaeetus leucocephalus</i>	
Beller's ground beetle	<i>Agonum belleri</i>	
Brown pelican	<i>Pelecanus occidentalis</i>	
California bighorn sheep	<i>Ovis canadensis californiana</i>	
California floater (mussel)	<i>Anodonta californiensis</i>	
California wolverine	<i>Gulo gulo luteus</i>	
Cascades frog	<i>Rana cascadae</i>	
Cassin's auklet	<i>Ptychoramphus aleuticus</i>	
Coastal cutthroat trout	<i>Oncorhynchus clarki clarki</i>	
Columbia pebblesnail	<i>Fluminicola columbianus</i>	
Columbia torrent salamander	<i>Rhyacotriton kezeri</i>	
Destruction Island shrew	<i>Sorex trowbridgii destructioni</i>	
Fender's soliperlan stonefly	<i>Soliperla fenderi</i>	
Fringed myotis (bat)	<i>Myotis thysanodes</i>	
Hatch's click beetle	<i>Eanus hatchi</i>	
Island large marble butterfly	<i>Euchloe ausonides insulanus</i>	
Larch Mountain salamander	<i>Plethodon larselli</i>	
Long-eared myotis	<i>Myotis evotis</i>	
Long-legged myotis	<i>Myotis volans</i>	
Makah's copper butterfly	<i>Lycaena mariposa charlottensis</i>	
Margined sculpin	<i>Cottus marginatus</i>	
Newcomb's littorine snail	<i>Algamorda newcombiana</i>	
Northern goshawk	<i>Accipiter gentilis</i>	
Northern sea otter	<i>Enhydra lutris kenyonii</i>	
Northwestern pond turtle	<i>Emys</i> (= <i>Clemmys</i>) <i>marmorata marmorata</i>	
Olive-sided flycatcher	<i>Contopus cooperi</i>	
Olympic torrent salamander	<i>Rhyacotriton olympicus</i>	
Oregon vesper sparrow	<i>Poocetes gramineus affinis</i>	

COMMON NAME	SCIENTIFIC NAME
Animal Species of Concern³	
(Cont'd)	
Pacific lamprey	<i>Lampetra tridentata</i>
Pacific Townsend's big-eared bat	<i>Corynorhinus townsendii townsendii</i>
Pale Townsend's big-eared bat	<i>Corynorhinus townsendii pallescens</i>
Peregrine falcon	<i>Falco peregrinus</i>
River lamprey	<i>Lampetra ayresi</i>
Small-footed myotis	<i>Myotis ciliolabrum</i>
Slender-billed white-breasted nuthatch	<i>Sitta carolinensis aculeata</i>
Tailed frog	<i>Ascaphus truei</i>
Tufted puffin	<i>Fratercula cirrhata</i>
Valley silverspot butterfly	<i>Speyeria zerene bremnerii</i>
Van Dyke's salamander	<i>Plethodon vandykei</i>
Western gray squirrel	<i>Sciurus griseus griseus</i>
Westslope cutthroat trout	<i>Oncorhynchus (=Salmo) clarki lewisi</i>
Western toad	<i>Bufo boreas</i>
Plant Species of Concern³	
Barrett's beardtongue	<i>Penstemon barrettiae</i>
Clackamas corydalis	<i>Corydalis aquae-gelidae</i>
Clustered lady's slipper	<i>Cypripedium fasciculatum</i>
Columbia yellow-cress	<i>Rorippa columbiae</i>
Cotton's milk-vetch	<i>Astragalus australis</i> var. <i>olympicus</i>
Footsteps of spring; bear's foot sanicle	<i>Sanicula arctopoides</i>
Frigid shootingstar	<i>Dodecatheon austrofrigidum</i>
Gorge daisy	<i>Erigeron oreganus</i>
Howell's daisy	<i>Erigeron howellii</i>
Obscure paintbrush	<i>Castilleja cryptantha</i>
Oregon sullivantia	<i>Sullivantia oregana</i>
Pale blue-eyed grass	<i>Sisyrinchium sarmentosum</i>
Pale larkspur	<i>Delphinium leucophaeum</i>
Pink sandverbena	<i>Abronia umbellata</i> ssp. <i>Acutalata</i>
Queen of the forest	<i>Filipendula occidentalis</i>
Rose checker-mallow	<i>Sidalcea malviflora</i> ssp. <i>Virgata</i>
Seely's silene	<i>Silene seelyi</i>
Stalked moonwort	<i>Botrychium pedunculatum</i>
Tall bugbane	<i>Cimicifuga elata</i>
Torrey's peavine	<i>Lathyrus torreyi</i>
Triangular-lobed moonwort	<i>Botrychium ascendens</i>
Whitebark pine	<i>Pinus albicaulis</i>
White meconella	<i>Meconella oregana</i>
White-top aster	<i>Sericocarpus rigidus</i>

¹Hyperlinks are provided for species specific information available from the U.S. Fish and Wildlife Service's Environmental Conservation Online System. Recovery plans, listing actions, and critical habitat information are available at these hyperlinks.

²Candidate species are those species for which FWS has sufficient information to propose for listing. Hyperlinks are provided where available for electronic candidate forms or *Federal Register* notice of petition finding.

³Species of concern are those species whose conservation status is of concern to FWS, but more information is needed.

NOAA Fisheries threatened and endangered species list:

http://www.nmfs.noaa.gov/prot_res/species/ESA_species.html

Information for eastern Washington species can be found on the Upper Columbia Fish and Wildlife Office web page and for all listed species on the U.S. Fish and Wildlife Service Endangered Species Home Page.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 REGION 10
 1200 Sixth Avenue, Suite 900
 Seattle, WA 98101-3140

AUG 6 2009

OFFICE OF
 WATER AND WATERSHEDS

Reply to: OWW-130

Ms. Ann Byar
 NOAA Northwest Fisheries Science Center
 Manchester Research Station
 2725 Montlake Blvd. E.
 Seattle, WA 98112

Re: Request for Clarification on Applicability of WAG-13-0000 to the discharge from
 NOAA Northwest Fisheries Science Center, Manchester Research Station and
 NOAA Northwest Fisheries Science Center, Burley Creek Hatchery

Dear Ms. Byar:

In a July 31, 2009, letter, Usha Varanasi provided information and requested confirmation that the above referenced facilities would not need coverage under NPDES Permit No. WAG130000 for Federal Aquaculture Facilities and Aquaculture Facilities Located in Indian Country within the Boundaries of the State of Washington. We have recently finalized that permit, which became effective August 1, 2009.

The thresholds for coverage under that permit are those for a Concentrated Aquatic Animal Production (CAAP) facility: 20,000 pounds fish produced per year and 5,000 pounds of food fed in the calendar month of maximum feeding as well as discharging for at least 30 days per year.

According to information submitted with your letter, these facilities produce and feed at the levels below.

<i>Facility</i>	<i>Production Levels</i>	<i>Food levels in maximum month</i>
Manchester Research Station	9180 lbs	2240 lbs
Burley Creek Hatchery	2410 lbs	200 lbs.

These levels are below the production and feed thresholds for a CAAP facility. Therefore, the facilities are not point sources subject to regulation; NPDES permits are not required for discharge from the facilities unless EPA finds that one is a significant contributor of pollutants under the provisions of 40 CFR §122.24(c).

If you have any questions, please contact Sharon Wilson at (206) 553-0325 or at wilson.sharon@epa.gov.

Sincerely,

Michael J. Lidgard, Manager
 NPDES Permits Unit

cc: Lori LeVander, Washington Dept. of Ecology NWRO

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Appendix B - Photographs

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Photo 1: Proposed building site, facing east.



Photo 2: Fish tanks currently being used to rear salmon.



Photo 3: UV system used to treat filtered seawater that will go into the fish tanks.

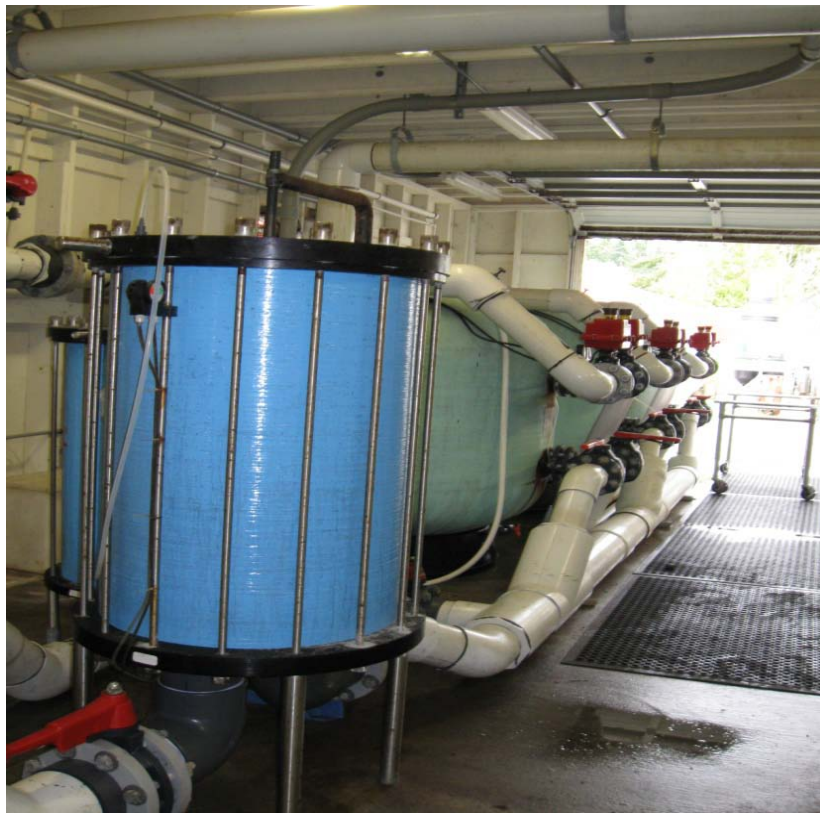


Photo 4: Saltwater filtration system. Crushed glass filter in the background (green with PVC) and cartridge filter housing in the foreground (blue).



Photo 5: Ozone gas tank. All marine wastewater passes through the ozone treatment system before it is discharged to Clam Bay.



Photo 6: Clam Bay; treated effluent outfall.



Photo 7: Clam Bay shoreline facing EPA Laboratory. Saltwater intake pipe, center.



Photo 8: Clam Bay facing southeast.

Appendix C - Agency Correspondences

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NOAA Seattle

Thanh Minh Trinh, Program Manager
206-526-6647

NOAA Manchester Research Station

Carlin McAuley, Head Biologist
360-871-8314

Mike Wastel, Program Manager
360-871-8323

James Hackett, Facilities Manager
360-731-4267

Skokomish Tribe

Kris Miller, THPO
Cultural Resources
N. 80 Tribal Center Road,
Skokomish, WA 98584
shlanay1@skokomish.org
360-426-4232

Port Gamble S'Klallam Tribe

Marie Hebert, Director
Cultural Resources
31912 Little Boston Road NE,
Kingston, WA 98346
marieH@pgst.nsn.us
360-297-6241

Paul McCollum, Director
Natural Resources
PaulM@pgst.nsn.us
360-297-6237

Suquamish Tribe

Alison O'Sullivan, Biologist
18490 Suquamish Way NE,
PO Box 498
Suquamish, WA 98392
aosullivan@suquamish.nsn.us
360-394-8447

Leonard Forsman, Chair
LForsman@suquamish.nsn.us
360-394-8461

Dennis Lewarch, Tribal Archaeologist
dlewarch@Suquamish.nsn.us

Stephanie Trudel, Tribal Archaeologist
strudel@suquamish.nsn.us

Scott Crowell, Community Development Director
scrowell@suquamish.nsn.us
360-394-8415

US Army Corps of Engineers

May Carrell, Community Involvement Coordinator
4735 East Marginal Way South
Seattle, Washington 98124-2255
(206) 764-3418
may.g.carrell@usace.army.mil

US Environmental Protection Agency

Sharon Wilson, Permit Writer,
NPDES Permits Unit, Region 10
206-553-0325
Wilson.sharon@epa.gov

US Fish and Wildlife Service Washington Fish and Wildlife Office

Martha Jensen, Branch Manager
Division of Consultation and Technical Assistance
360-753-9000
martha_l_jensen@fws.gov

Washington State Department of Ecology

Raman Iyre, Water Quality, Northwest Regional Office
425-649-4424, RIYE461@ecy.wa.gov

Rebekah Padgett, Shorelands and Environmental Assistance, Northwest
Regional Office
425-649-7129
Phone Log: 5/17/2010 & 5/20/2010
Conversation between Aislin Muto and Rebekah Padgett
Summary: There will be no in-water work taking place, so need to contact
Jessica Moore to get a CZM consistency determination form for a federal agency
taking action in a coastal county.

Jessica Moore, Federal Permit Unit
Shorelands and Environmental Assistance Program
360-407-7421
Jemo461@ecy.wa.gov

Alice Kelly, Northwest Regional Office Director
425-649-7128
Phone log: 5/19/2010
Conversation between Aislin Muto and Alice Kelly
Summary: It is okay for the Department of Ecology to send response based on
the information provided.

Washington State Department of Archeology & Historic Preservation

Robert Whitlam, State Archaeologist
360-586-3080
rob.whitlam@dahp.wa.gov

Puget Sound Clean Air Agency

Rick Hess, Supervising Inspector
206.689.4029
rickh@pscleanair.org

Phone Log: 5/13/2010

Conversation between Aislin Muto and Rick Hess

Summary: PSCAA has no concerns associated with the proposed building project because there will be no demolition and therefore no significant dust sources. Kitsap County is in attainment with the six NAAQS criteria pollutants; therefore PSCAA has no other air quality concerns with the construction or operation of the proposed building.

Kitsap Department of County Community Development

Jeff Smith, Land Use Planner
360-337-7181

Phone Log: 5/17/2010

Aislin Muto left a voicemail message for Jeff Smith.

Phone Log: 5/18/2010

Conversation between Aislin Muto and Jeff Smith

Summary: Jeff forwarded our letter to David Greetham in Environmental. He also explained that it is the responsibility of the Community Development Department to contact all other County departments regarding possible concerns with the proposed building project (i.e. Public Works, Parks and Recreation, Sewer, Environmental, etc.). Jeff will compile all concerns from the County departments in a response back to us by Thursday 5/20/2010.

Phone Log: 5/20/2010

Aislin Muto left a message for Jeff Smith inquiring about the response we talked about last Tuesday.

Phone Log: 5/24/2010

Wendy Mitchell left a message for Jeff Smith.

Manchester Water District

Kristen
360-876-2545
Phone Log: 5/13/2010

Summary: No concerns other than need to call Line Locating 24 hour notification before digging: 1-555-1212.



CONSULTING GROUP

Anchorage
3401 Minnesota Drive
Suite 300
Anchorage, AK 99503
907-563-2137 phone
907-563-2164 fax

Fairbanks
543 3rd Avenue
Suite 235
Fairbanks, AK 99701
907-452-2252 phone
907-452-2256 fax

Seattle Area
30545 SE 84th Street #5
P.O. Box 525
Preston, WA 98050
425-222-7748 phone
425-222-7849 fax

www.hoeflernet.com

May 18, 2010

Ms. Sharon Wilson
NPDES Permits Unit
U.S. EPA, Region 10
1200 Sixth Avenue Suite 900
Seattle, WA 98101

Subject: Proposed Construction of a Pole Building at Manchester Research Station, Port Orchard, Washington

Dear Sharon Wilson,

Hoefler Consulting Group (Hoefler) has been contracted by the National Oceanic and Atmospheric Administration to conduct an Environmental Assessment to determine the potential impact from construction and operation of a proposed pole building at the Manchester Research Station. The building would be used to house salt water tanks for rearing salmon, as part of a restoration project for endangered species.

Per our conversation this morning I would like to confirm that as long as there will not be an increase in production or food levels to above the thresholds for coverage under NPDES Permit No. WAG130000, your organization has no further concerns associated with this proposed project.

I have attached a site map of the proposed building location. The address is 7305 Beach Drive East, Port Orchard, Washington 98366.

Sincerely,

HCG, Inc.
Aislin Muto
Associate Scientist
cc: Wendy Mitchell (Senior Scientist), Hoefler

Aislin Muto

From: Wilson.Sharon@epamail.epa.gov
Sent: Wednesday, May 19, 2010 1:28 PM
To: Aislin Muto
Cc: Wendy Mitchell; Lidgard.Michael@epamail.epa.gov
Subject: Re: Proposed Pole Bldg. at the Manchester Research Station
Attachments: EPA Letter.pdf; site maps.pdf

Aislin,

Thank you for the phone call and follow-up e-mail and attachments. You are correct in summarizing our conversation that we would not have NPDES permitting requirements if the facility stays below 20,000 pounds annual production or 5,000 pounds of feed in the maximum month of feeding. I do want to emphasize that if we determine that the facility is a significant contributor of pollutants to the receiving water, we can require that it submit a Notice of Intent to be covered under the General Permit for Federal Aquaculture Facilities in Washington (WAG130000).

Please let me know if you have any further questions.

Sharon Wilson
NPDES Permits Unit
EPA Region 10
206-553-0325

From: "Aislin Muto" <amuto@hoeflernet.com>
To: Sharon Wilson/R10/USEPA/US@EPA
Cc: "Wendy Mitchell" <wmitchell@hoeflernet.com>
Date: 05/19/2010 12:26 PM
Subject: Proposed Pole Bldg. at the Manchester Research Station

Dear Sharon Wilson,

Per our conversation this morning I would like to confirm that as long as there will not be an increase in production or food levels to above the thresholds for coverage under NPDES Permit No. WAG130000, your organization has no further concerns associated with this proposed project.

I have attached a letter and site map of the proposed building location. The address is 7305 Beach Drive East, Port Orchard, Washington 98366.

Aislin Muto,
Hoefler Consulting Group
425-222-7746 (office)
360-201-4504 (cell)



CONSULTING GROUP

Anchorage
3401 Minnesota Drive
Suite 300
Anchorage, AK 99503
907-563-2137 phone
907-563-2164 fax

Fairbanks
543 3rd Avenue
Suite 235
Fairbanks, AK 99701
907-452-2252 phone
907-452-2256 fax

Seattle Area
30545 SE 84th Street #5
P.O. Box 525
Preston, WA 98050
425-222-7746 phone
425-222-7849 fax

www.hoeflernet.com

May 12, 2010

Mrs. Martha Jensen
Washington Fish and Wildlife Office
U.S. Fish and Wildlife Service
510 Desmond Drive S.E., Suite 102
Lacey, Washington 98503-1273

Subject: Proposed Construction of a Pole Building at Manchester Research Station, Port Orchard, Washington

Dear Martha Jensen:

Hoefler Consulting Group (Hoefler) has been contracted by the National Oceanic and Atmospheric Administration to conduct an Environmental Assessment to determine the potential impact from construction and operation of a pole building at the Manchester Research Station. The building would be used to house salt water tanks for rearing South Fork Spring Chinook, collected from the Nooksack River as part of a restoration project for endangered species. All of the fish are captured as out migrants and identified via DNA testing. Each fish family (collected together) is kept in a separate tank. They are kept at the Manchester Research Station until maturation. The fish are then transferred to another fish hatchery for spawning and the 2nd generation is released back into the South Fork of the Nooksack River.

Per our telephone conversation, NPDES permits are not required for discharge from the Manchester Research Station because their production and feed levels are below threshold for a Concentrated Aquatic Animal Production facility. Operation of the proposed pole building will not increase production or food levels to exceed thresholds because fish families are housed separately which keeps the tanks well below capacity.

We would like to get an indication on whether or not your organization has any concerns associated with this proposed project.

I have attached a site map of the proposed building location. The address is 7305 Beach Drive East, Port Orchard, Washington 98366.

Hoefler is on a tight schedule for completion of the Environmental Assessment therefore, we would appreciate a response by Friday May 14, 2010.

Sincerely,

HCG, Inc.
Aislin Muto
Associate Scientist
cc: Wendy Mitchell (Senior Scientist), Hoefler

Aislin Muto

From: Martha_L_Jensen@fws.gov
Sent: Thursday, May 13, 2010 7:36 AM
To: Aislin Muto
Cc: tom.sibley@noaa.gov
Subject: Re: Proposed Construction of a Pole Building at NWFSC's Manchester Research Station, Port Orchard, WA
Attachments: site maps.pdf; USFWS Letter.pdf

Aislin
Based on the information you provided, this action will not affect FWS listed species or trust resources provided that adequate precautions are taken during operations of the new facility to ensure that no pathogens or measurable quantities of chemicals are released into the marine environment.

Martha Jensen
Branch Manager,
Division of Consultation and Technical Assistance
Washington Fish and Wildlife Office
510 Desmond Dr SE
Lacey, WA 98503
tel: (360) 753-9000/ fax: (360) 753-9008
martha_l_jensen@fws.gov

"Aislin Muto" <amuto@hoeflernet.com>

05/12/2010 12:11 PM

To <martha_l_jensen@fws.gov>
cc "Wendy Mitchell" <wmitchell@hoeflernet.com>
Subject Proposed Construction of a Pole Building at NWFSC's Manchester Research Station, Port Orchard, WA

Dear Martha Jensen,

Please find the attached letter and site maps per our telephone discussion this morning.

Thank you for your input on this project.

Aislin Muto

Associate Scientist
Hoefler Consulting Group
425-222-7746 (office)

30545 SE 84th St., #5
PO Box 525
Preston, WA 98050

www.hoeflernet.com



CONSULTING GROUP

Anchorage
3401 Minnesota Drive
Suite 300
Anchorage, AK 99503
907-563-2137 phone
907-563-2164 fax

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543 3rd Avenue
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Seattle Area
30545 SE 84th Street #5
P.O. Box 525
Preston, WA 98050
425-222-7746 phone
425-222-7849 fax

www.hoeflernet.com

May 13, 2010

Mr. Raman Iyer
Ecology Northwest Regional Office
3190 - 160th Ave. SE
Bellevue, WA 98008-5452

Subject: Proposed Construction of a Pole Building at Manchester Research Station, Port Orchard, Washington

Dear Raman Iyer:

Hoefler Consulting Group (Hoefler) has been contracted by the National Oceanic and Atmospheric Administration to conduct an Environmental Assessment to determine the potential impact from construction and operation of a proposed pole building at the Manchester Research Station. The building would be used to house salt water tanks for rearing South Fork Spring Chinook, as part of a restoration project for endangered species.

We would like to get an indication on whether or not your organization has any concerns associated with this proposed project.

I have attached a site map of the proposed building location. The address is 7305 Beach Drive East, Port Orchard, Washington 98366.

Hoefler is on a tight schedule for completion of the Environmental Assessment therefore, we would appreciate a response by Friday May 14, 2010.

Sincerely,

HCG, Inc.

Aislin Muto
Associate Scientist

cc: Wendy Mitchell (Senior Scientist), Hoefler

Aislin Muto

From: Iyer, Raman (ECY) [RIYE461@ECY.WA.GOV]
Sent: Wednesday, May 19, 2010 12:03 PM
To: Aislin Muto
Cc: Wendy Mitchell; Kelly, Alice (ECY); Padgett, Rebekah (ECY)
Subject: RE: Proposed Construction of a Pole Building at NWFSC's Manchester Research Station, Port Orchard, WA

Hello Aislin:

Per your request, Department of Ecology has no concerns at the present based on the information you have provided us regarding proposed construction of a pole building at the Manchester Research Station located in Port Orchard. I contacted two other programs within Ecology, Shorelands (SEA) and Toxics Clean (TCP) programs and the feedback from these programs have raised no concerns either regarding this project. However, if the total area of land disturbance is higher than 1 acre and a surface water discharge from the proposed project to the waters of the state, there will be a need for the Construction General Stormwater permit.

I presume this proposal will go through SEPA process as part of procuring grading and building permits for this project from local government. At that time, Ecology will receive a more detailed project proposal and will again provide another opportunity for Ecology to comment on this project.

If you have any questions, please call or email me.

Thank you

Raman Iyer
Supervisor (Compliance and Technical Assistance Unit)
WQ program
Department of Ecology

425-649-4424

From: Aislin Muto [mailto:amuto@hoeflernet.com]
Sent: Thursday, May 13, 2010 12:45 PM
To: Iyer, Raman (ECY)
Cc: Wendy Mitchell
Subject: Proposed Construction of a Pole Building at NWFSC's Manchester Research Station, Port Orchard, WA

Dear Raman Iyer,

Please find the attached letter and site maps per our telephone discussion this morning.

Thank you for your input on this project.

Aislin Muto

Associate Scientist
Hoefler Consulting Group
425-222-7746 (office)

30545 SE 84th St., #5

From: Aislin Muto
To: ["Moore, Jessica \(ECY\)"](#)
Cc: [Wendy Mitchell](#)
Subject: RE: Coastal Zone Management Act
Date: Tuesday, June 01, 2010 4:48:00 PM
Attachments: [CZM Form 6-1-10.pdf](#)
[Figure 2 Proposed Location for Nooksack Pole Building.pdf](#)

Hi Jessica,

I have attached the completed CZM checklist to this email. I have also attached a site map that shows the proposed building site proximity to Clam Bay and Beaver Creek.

The proposed building construction will take place at the Northwest Fisheries Science Center's Manchester Research Station. The address is 7305 Beach Drive East, Port Orchard, WA 98366. The building will house fish tanks supplied with seawater.

Thank you,

Aislin Muto
Hoefler Consulting Group
425-222-7746 (office)

www.hoeflernet.com

From: Moore, Jessica (ECY) [mailto:jemo461@ECY.WA.GOV]
Sent: Monday, May 24, 2010 2:20 PM
To: Aislin Muto
Subject: Coastal Zone Management Act

Hi Aislin,

I have attached the checklist as well as a focus sheet on CZM to this email. Below is a little additional general information on the program and our review process:

The determination consists of demonstrating compliance with the applicable enforceable policies of Washington's Coastal Zone Management Program—Shoreline Management Act, Water Quality requirements (Stormwater, Clean Water Act Section 401), Air Quality requirements, State Environmental Policy Act (SEPA), the Ocean Resources Management Act (ORMA), and the Energy Facility Site Evaluation Council (EFSEC).

In most cases, only the first 4 policies are applicable. Ecology does conduct all of the consistency determination reviews and asks that applicants submit a CZM form (attached), a detailed project description, and a site/vicinity map—we will request additional information if needed to complete the review. The review usually takes me about 2 weeks.

Review materials can be sent to:
WA Dept. of Ecology
Attn: Federal Permit Coordinator, SEA Program
Post Office Box 47600
Olympia, WA 98504

Or emailed to me at jemo461@ecy.wa.gov.

Please let me know if you have any additional questions or need more information.

Thanks,
Jessica

Jessica Moore
Federal Permit Unit
Shorelands and Environmental Assistance Program
Washington Department of Ecology

360.407.7421
jemo461@ecy.wa.gov



Please consider the environment before printing this e-mail

**DETERMINATION OF CONSISTENCY WITH WASHINGTON'S
COASTAL ZONE MANAGEMENT PROGRAM FOR
FEDERAL AGENCY ACTIVITIES**

Federal Application Number: _____

Federal Agency: National Oceanic and Atmospheric Administration (NOAA)

Project Description: Environmental Assessment for the proposed construction of a pole building at the Northwest Fisheries Science Center, Manchester Research Station

(Attach site plans, location (county/city), and proximity to waterbody (name) and or JARPA)

This action under CZMA §307(c)(1) is for a project that will take place within Washington's coastal zone, or which will affect a land use, water use, or natural resource of the coastal zone. *(The coastal zone includes Clallam, Grays Harbor, Island, Jefferson, King, Kitsap, Mason, Pacific, Pierce, San Juan, Skagit, Snohomish, Thurston, Wahkiakum and Whatcom counties.)*

The project complies with the following enforceable policies of the Coastal Zone Management Program:

1. Shoreline Management Act (SMA):

Is outside of SMA jurisdiction (X)
Applied for a shoreline permit (# _____ being reviewed by _____
Has a valid Shoreline Permit (# _____ Issued by _____ on _____
Has received an SMA Exemption (# _____ issued by _____ on _____

2. State Water Quality Requirements:

Does not require water quality permits (X)
Applied for water quality certification ()
Has received water quality certification (# _____ issued on _____
Applied for stormwater permit (# _____ issued on _____
Has received stormwater permit (# _____ issued on _____

3. State Air Quality Requirements:

Does not require air quality permits (X)
Applied for Air Quality permit (# _____ being reviewed by _____
Has an Air Quality permit (# _____ issued by _____ on _____

4. State Environmental Policy Act:

Project is SEPA exempt ()
SEPA checklist submitted () date _____
SEPA decision issued/adopted () DNS MDNS EIS Other _____ date _____
NEPA decision adopted by () SEPA# _____ date _____
Lead agency to satisfy SEPA _____

(X) The project is currently undergoing the NEPA process and will initiate the SEPA process, as applicable in the future.

Public Notice for this proposed project was provided through:

() Notice mailed to interested parties using _____ mailing list on _____ (date)
 () Publication in _____ (newspaper) on _____ (dates)
 (X) Other (include dates) The Environmental Assessment for which this Coastal Zone Management Program consistency determination is being requested has not yet gone out for Public Notice. Public notice for this proposed project will be provided through the Kitsap Sun daily newspaper.

Therefore, I have determined that this project is consistent to the maximum extent practicable with the enforceable policies of Washington's approved coastal zone management program.

Signature


HANNAH M. RINK

Date

6/1/2010



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

PO Box 47600 • Olympia, WA 98504-7600 • 360-407-6000
711 for Washington Relay Service • Persons with a speech disability can call 877-833-6341

June 10, 2010

Ms. Aislin Muto
Hoefler Consulting Group
30545 Se 84th Street #5
P.O. Box 525
Preston, Washington 98050

RE: Federal Consistency – NOAA Pole Building

Dear Ms. Muto:

The Department of Ecology, Shorelands and Environmental Assistance Program received your requests regarding the use of federal funds for the proposed construction of a pole building at the Northwest Fisheries Science Center, Manchester Research Station located at 7305 Beach Drive East, Port Orchard, and Kitsap County, Washington.

Ecology agrees that funding this project is consistent with Washington's Coastal Zone Management Program. Please note that this Consistency Determination is for the release of funds only. Any construction activities will be subject to ALL enforceable polices of the Coastal Zone Management Program, such as the State Environmental Policy Act (SEPA).

If you have any questions regarding this letter please contact Jessica Moore at (360) 407-7421.

Sincerely,

Brenden McFarland, Section Manager
Environmental Review and Transportation Section
Shorelands and Environmental Assistance Program

cc: Jessica Moore, Ecology





CONSULTING GROUP

Anchorage

3401 Minnesota Drive
Suite 300
Anchorage, AK 99503
907-563-2137 phone
907-563-2164 fax

Fairbanks

543 3rd Avenue
Suite 235
Fairbanks, AK 99701
907-452-2252 phone
907-452-2256 fax

Seattle Area

30545 SE 84th Street #5
P.O. Box 525
Preston, WA 98050
425-222-7746 phone
425-222-7849 fax

www.hoeflernet.com

May 11, 2010

Mr. Jeff Smith
Department of Community Development
614 Division Street MS-36
Port Orchard, WA 98366

**Subject: Proposed Construction of a Pole Building at Northwest Fisheries
Science Center's Manchester Research Station, Port Orchard,
Washington**

Dear Jeff Smith:

Hoefler Consulting Group (Hoefler) has been contracted by the National Oceanic and Atmospheric Administration to conduct an Environmental Assessment to determine the potential impact from construction and operation of a pole building at the Manchester Research Station. The building would be used to house salt water tanks for rearing fish.

Wendy Mitchell and I stopped by your office on May 10, 2010 and briefly discussed the project with you. We would like to get an indication on whether or not your organization has any concerns associated with this project. Our only interest is regarding the potential environmental impacts.

I have attached a site map of the proposed building location. The address is 7305 Beach Drive East, Port Orchard, Washington 98366.

Hoefler is on a tight schedule for completion of the Environmental Assessment therefore, we would appreciate a response by Friday May 14, 2010.

Sincerely,

A handwritten signature in black ink, appearing to read "Aislin Muto".

HCG, Inc.
Aislin Muto
Associate Scientist

cc: Wendy Mitchell (Senior Scientist), Hoefler

Aislin Muto

From: Whitlam, Rob (DAHP) [Rob.Whitlam@DAHP.WA.GOV]
Sent: Monday, May 17, 2010 9:44 AM
To: Aislin Muto
Subject: RE: Proposed Construction of a Pole Building at NWFSC's Manchester Research Station, Port Orchard, WA
Attachments: 05171003.pdf

Aislin:

Our letter.

regards,

Rob

From: Aislin Muto [mailto:amuto@hoeflernet.com]
Sent: Friday, May 14, 2010 9:25 AM
To: Whitlam, Rob (DAHP)
Cc: Wendy Mitchell
Subject: Proposed Construction of a Pole Building at NWFSC's Manchester Research Station, Port Orchard, WA

Dear Rob Whitlam,

Please find the attached letter per our telephone discussion yesterday. I have also attached site maps, and two versions of the USGS 7.5 quadrangle map that you requested. I included the original Bremerton East map and a copy that I labeled with the proposed building location.

Please let me know if you need any further information in order to make your determination.

Thank you for your input.

Best Regards,
Aislin Muto

Associate Scientist
Hoefler Consulting Group
425-222-7746 (office)

30545 SE 84th St., #5
PO Box 525
Preston, WA 98050

www.hoeflernet.com



CONSULTING GROUP

Anchorage
3401 Minnesota Drive
Suite 300
Anchorage, AK 99503
907-563-2137 phone
907-563-2164 fax

Fairbanks
543 3rd Avenue
Suite 235
Fairbanks, AK 99701
907-452-2252 phone
907-452-2256 fax

Seattle Area
30545 SE 84th Street #5
P.O. Box 525
Preston, WA 98050
425-222-7745 phone
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May 14, 2010

Mr. Rob Whitlam
Department of Archaeology & Historic Preservation
Suite 106
1063 South Capitol Way
Olympia WA 98501

Subject: Proposed Construction of a Pole Building at Manchester Research Station, Port Orchard, Washington

Dear Rob Whitlam:

Hoefler Consulting Group (Hoefler) has been contracted by the National Oceanic and Atmospheric Administration to conduct an Environmental Assessment to determine the potential impact from construction and operation of a proposed pole building at the Manchester Research Station. The building would be used to house salt water tanks for rearing South Fork Spring Chinook, as part of a restoration project for endangered species.

We would like to get an indication on whether or not your organization has any concerns associated with this proposed project.

I have attached a site map and a USGS 7.5 quadrangle map (Bremerton East) with the proposed building location identified. The address is 7305 Beach Drive East, Port Orchard, Washington 98366.

Please contact me immediately if the maps I have provided are not sufficient for you to make your determination.

Hoefler is on a tight schedule for completion of the Environmental Assessment therefore, we would appreciate a response by Wednesday May 19, 2010.

Sincerely,

HCG, Inc.
Aislin Muto
Associate Scientist
cc: Wendy Mitchell (Senior Scientist), Hoefler



STATE OF WASHINGTON

DEPARTMENT OF ARCHAEOLOGY & HISTORIC PRESERVATION

1063 S. Capitol Way, Suite 106 • Olympia, Washington 98501
Mailing address: PO Box 48343 • Olympia, Washington 98504-8343
(360) 586-3065 • Fax Number (360) 586-3067 • Website: www.dahp.wa.gov

May 17, 2010

Ms. Aislin Muto
HCG, Inc.
PO Box 525
Preston, Washington 98050

RE: Manchester Pole Building Project
Log No.: 051710-03-NOAA

Dear Ms. Muto;

Thank you for contacting our department. We have reviewed the materials you provided for the proposed Manchester Pole Building Project at 7305 Beach Drive East, Port Orchard, Kitsap County, Washington.

We concur with the determination of the Area of Potential Effect(APE). We look forward to receiving the results of your review, consultations with the concerned tribes, and your Determination of Effect.

We would also appreciate receiving any correspondence or comments from concerned tribes or other parties that you receive as you consult under the requirements of 36CFR800.4(a)(4).

These comments are based on the information available at the time of this review and on behalf of the State Historic Preservation Officer in compliance with the Section 106 of the National Historic Preservation Act, as amended, and its implementing regulations 36CFR800.4.

Should additional information become available, our assessment may be revised, including information regarding historic properties that have not yet been identified. Thank you for the opportunity to comment and we look forward to receiving the professional report on the results of your investigations.

Sincerely,

Robert G. Whitlam, Ph.D.
State Archaeologist
(360)586-3080
email: rob.whitlam@dahp.wa.gov



CONSULTING GROUP

Anchorage
3401 Minnesota Drive
Suite 300
Anchorage, AK 99503
907-563-2137 phone
907-563-2164 fax

Fairbanks
543 3rd Avenue
Suite 235
Fairbanks, AK 99701
907-452-2252 phone
907-452-2256 fax

Seattle Area
30545 SE 84th Street #5
P.O. Box 525
Preston, WA 98050
425-222-7748 phone
425-222-7849 fax

www.hoeflernet.com

June 16, 2010

Mr. Rob Whitlam
Department of Archaeology & Historic Preservation
Suite 106
1063 South Capitol Way
Olympia WA 98501

**Subject: RE: Proposed Construction of a Pole Building at Manchester
Research Station, Port Orchard, Washington**

Dear Mr. Whitlam,

This letter is in response to your email and letter sent on May 17, 2010. The proposed pole building would be located near existing buildings on a previously disturbed site. The subject parcel was a former Navy recreational area (baseball field) and now contains about two feet of fill and is used for storage. The proposed building will be constructed on shallow spread footings and no digging is anticipated below two feet. Twelve years ago, an artificial stream channel was built adjacent to the proposed pole building site. Digging occurred at depths of 6-8 feet and no items of archaeological significance were encountered at that time.

Three tribes were identified in the Kitsap County area, the Suquamish Tribe, the Port Gamble S'Klallam Tribe and the Skokomish Tribe. All three tribes have been consulted regarding the proposed project. The Suquamish Tribe requested that a professional archaeologist monitor all ground-disturbing construction excavation. Since the proposed project site has been previously disturbed and previous activities resulted in no archaeological findings as summarized above, NOAA has determined that there will be no effect on historical or cultural resources in the area. However, NOAA has agreed to hire a professional archaeologist as a precautionary measure.

Sincerely,

HCG, Inc.
Aislin Muto
Associate Scientist
cc: Wendy Mitchell (Senior Scientist), Hoefler



STATE OF WASHINGTON

DEPARTMENT OF ARCHAEOLOGY & HISTORIC PRESERVATION

1063 S. Capitol Way, Suite 106 • Olympia, Washington 98501
Mailing address: PO Box 48343 • Olympia, Washington 98504-8343
(360) 586-3065 • Fax Number (360) 586-3067 • Website: www.dahp.wa.gov

June 17, 2010

Ms. Aislin Muto
HCG, Inc.
30545 SE 84th ST, #5
Seattle, Washington 98050

Re: Manchester Pole Building Project
Log No: 051710-03-NOAA

Dear Ms. Muto;

Thank you contacting our department. We have reviewed the materials you provided for the proposed Manchester Pole Building Project, Port Orchard, Kitsap County, Washington.

We concur with your determination of No Historic Properties Affected. Please provide the monitoring report when available.

We would appreciate receiving any correspondence or comments from concerned tribes or other parties that you receive as you consult under the requirements of 36CFR800.4(a)(4).

These comments are based on the information available at the time of this review and on the behalf of the State Historic Preservation Officer in conformance with Section 106 of the National Historic Preservation Act and its implementing regulations 36CFR800.

Should additional information become available, our assessment may be revised. In the event that archaeological or historic materials are discovered during project activities, work in the immediate vicinity must stop, the area secured, and the tribes' cultural departments and our department notified. Thank you for the opportunity to comment and a copy of these comments should be included in subsequent environmental documents.

Sincerely,

Robert G. Whitlam, Ph.D.
State Archaeologist
(360) 586-3080
email: rob.whitlam@dahp.wa.gov

From: [Paul McCollum](#)
To: [Aislin Muto](#)
Cc: marieH@pgst.nsn.us; [Wendy Mitchell](#)
Subject: Re: Proposed Construction of a Pole Building at Manchester Research Station, Port Orchard, WA
Date: Thursday, June 03, 2010 2:42:24 PM
Attachments: [paulm.vcf](#)

Hi Aislin,
This project is outside of our U&A and as such, I do not think we have any issues with this.
I think thats probably why neither of us got back to you.
Thanks
Paul

Aislin Muto wrote:

Dear Marie Hebert,

I have not heard back from you and wanted to follow up to make sure that you received my previous email. I also left you a voicemail message.

You can reach me by phone or email.

Thanks,

Aislin Muto,
Hoefler Consulting Group
425-222-7746 (office)
360-201-4504 (cell)

www.hoeflernet.com

From: Aislin Muto
Sent: Tuesday, May 25, 2010 4:14 PM
To: 'marieH@pgst.nsn.us'
Cc: 'paulm@pgst.nsn.us'; Wendy Mitchell
Subject: Proposed Construction of a Pole Building at Manchester Research Station, Port Orchard, WA

Dear Marie Hebert,

Please find the attached letter and site maps for the proposed construction of a pole building at Manchester Research Station, Port Orchard, WA.

You may reach me by phone or email should any questions arise. Thank you for your input.



CONSULTING GROUP

Anchorage
3401 Minnesota Drive
Suite 300
Anchorage, AK 99503
907-563-2137 phone
907-563-2164 fax

Fairbanks
543 3rd Avenue
Suite 235
Fairbanks, AK 99701
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Seattle Area
30545 SE 84th Street #5
P.O. Box 525
Preston, WA 98050
425-222-7746 phone
425-222-7849 fax

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May 25, 2010

Ms. Marie Hebert, Director
Cultural Resources
Port Gamble S'Klallam Tribe
31912 Little Boston Road NE
Kingston, WA 98346

Subject: Proposed Construction of a Pole Building at Manchester Research Station, Port Orchard, Washington

Dear Ms. Marie Herbert,

Hoefler Consulting Group (Hoefler) has been contracted by the National Oceanic and Atmospheric Administration (NOAA) to conduct an Environmental Assessment to determine impact from construction and operation of a proposed pole building at the Manchester Research Station. The building would be located adjacent to existing buildings on a previously disturbed site. The building would be used to house salt water tanks for rearing South Fork Nooksack River spring Chinook and the Stillaguamish River fall Chinook, as part of a restoration project for endangered species.

We are contacting you to determine whether your tribe has any knowledge or concerns regarding the proposed project with respect to historical properties or cultural resources in the immediate area. A site map of the proposed building location is attached for your reference. The address is 7305 Beach Drive East Port Orchard, Washington 98366.

Hoefler is on a tight schedule for completion of the Environmental Assessment for this project. Therefore, we are requesting you provide any comments as soon as possible, no later than Friday May 28, 2010.

Sincerely,

HCG, Inc.
Aislin Muto
Associate Scientist

cc: Wendy Mitchell (Senior Scientist), Hoefler
Paul McCollum (Director, Natural Resources), Port Gamble
S'Klallam Tribe

From: [Kris Miller](#)
To: [Aislin Muto](#)
Subject: RE: Proposed Construction of a Pole Building at Manchester Research Station, Port Orchard, WA
Date: Thursday, May 27, 2010 8:46:58 AM
Attachments: [Manchester Research Station 5-2010.pdf](#)

Aislin, please find our comments.

Thank you,

Kris Miller
Tribal Historic Preservation Officer
80 North Tribal Center Road
Shelton, WA 98584
(360)426-4232x2015
shlanay1@skokomish.org

From: Aislin Muto [mailto:amuto@hoeflernet.com]
Sent: Tuesday, May 25, 2010 4:09 PM
To: Kris Miller
Cc: Wendy Mitchell
Subject: Proposed Construction of a Pole Building at Manchester Research Station, Port Orchard, WA

Dear Kris Miller,

Please find the attached letter and site maps for the proposed construction of a pole building at Manchester Research Station, Port Orchard, WA.

You may reach me by phone or email should any questions arise. Thank you for your input.

Best Regards,

Aislin Muto,
Hoefler Consulting Group
425-222-7746 (office)
360-201-4504 (cell)

www.hoeflernet.com

Hoefler

CONSULTING GROUP

Anchorage
3401 Minnesota Drive
Suite 300
Anchorage, AK 99503
907-563-2137 phone
907-563-2164 fax

Fairbanks
543 3rd Avenue
Suite 235
Fairbanks, AK 99701
907-452-2252 phone
907-452-2256 fax

Seattle Area
30545 SE 84th Street #5
P.O. Box 525
Preston, WA 98050
425-222-7746 phone
425-222-7849 fax

www.hoeflernet.com

May 25, 2010

Kris Miller, THPO
Cultural Resources
Skokomish Tribe
N. 80 Tribal Center Road,
Skokomish, WA 98584

Subject: Proposed Construction of a Pole Building at Manchester Research Station, Port Orchard, Washington

Dear Kris Miller,

Hoefler Consulting Group (Hoefler) has been contracted by the National Oceanic and Atmospheric Administration (NOAA) to conduct an Environmental Assessment to determine impact from construction and operation of a proposed pole building at the Manchester Research Station. The building would be located adjacent to existing buildings on a previously disturbed site. The building would be used to house salt water tanks for rearing South Fork Nooksack River spring Chinook and the Stillaguamish River fall Chinook, as part of a restoration project for endangered species.

We are contacting you to determine whether your tribe has any knowledge or concerns regarding the proposed project with respect to historical properties or cultural resources in the immediate area. A site map of the proposed building location is attached for your reference. The address is 7305 Beach Drive East Port Orchard, Washington 98366.

Hoefler is on a tight schedule for completion of the Environmental Assessment for this project. Therefore, we are requesting you provide any comments as soon as possible, no later than Friday May 28, 2010.

Sincerely,



HCG, Inc.
Aislin Muto
Associate Scientist
cc: Wendy Mitchell (Senior Scientist), Hoefler



Skokomish Indian Tribe

Tribal Center (360) 426-4232

N. 80 Tribal Center Road

FAX (360) 877-5943

Skokomish Nation, WA 98584

May 26, 2010
Aislin Muto
Associate Scientist
Hoeffler Consulting Group

RE: Proposed Construction of a pole building at Manchester Research Station, Port Orchard, Washington.

Dear Aislin,

Thank you for contacting the Skokomish Tribal Historic Preservation Office (THPO) for consultation on the above-proposed project. After reviewing the project and its location the Skokomish THPO had determined that we do not have any concerns with the project moving forward, please keep in mind that the Suquamish Tribe should be notified and consulted with.

Thank you for the opportunity to review this project. If you have further questions please contact me at shlanayl@skokomish.org

Thank you,



Kris Miller
Tribal Historic Preservation Officer
Skokomish Tribe

From: [Dennis Lewarch](#)
To: [Aislin Muto](#)
Cc: [Leonard Forsman](#); [Stephanie Trudel](#); [Alison Osullivan](#); [Wendy Mitchell](#)
Subject: RE: Request for archaeological construction monitoring, proposed pole building at the Manchester Research Station
Date: Wednesday, June 16, 2010 3:54:35 PM

Hello Aislin,

Thank you for your prompt response. Please let me know when the construction monitoring will occur in case Stephanie Trudel or I would like to make a site visit.

Best,

Dennis

From: Aislin Muto [mailto:amuto@hoeflernet.com]
Sent: Wednesday, June 16, 2010 3:10 PM
To: Dennis Lewarch
Cc: Leonard Forsman; Stephanie Trudel; Alison Osullivan; Wendy Mitchell
Subject: RE: Request for archaeological construction monitoring, proposed pole building at the Manchester Research Station

Hi Dennis,

NOAA has agreed to hire a professional archaeologist to monitor during the ground-disturbing construction excavation activities.

Would you also like to be notified when those activities are taking place?

Thanks,
Aislin

Aislin Muto,
Hoefler Consulting Group
425-222-7746 (office)

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From: Dennis Lewarch [mailto:dlewarch@Suquamish.nsn.us]
Sent: Wednesday, June 16, 2010 8:59 AM
To: Aislin Muto
Cc: Leonard Forsman; Stephanie Trudel; Alison Osullivan
Subject: Request for archaeological construction monitoring, proposed pole building at the Manchester Research Station

Hello Aislin,

The Suquamish Tribe requests that a professional archaeologist monitor all ground-disturbing construction excavation associated with construction of the proposed pole building at the Manchester Research Station.

Please contact me if you have questions regarding the request.

Best,

Dennis

Dennis E. Lewarch
Tribal Historic Preservation Officer
Fisheries Department
Suquamish Tribe



Office Telephone: 360-394-8529
Cell: 360-509-1321

Mailing Address:
P.O. Box 498
Suquamish, WA 98392-0498

Suquamish Tribe Administration Building Street Address:
18490 Suquamish Way
Suquamish, WA 98392

From: Aislin Muto
To: "[Alison Osullivan](#)"
Cc: [Leonard Forsman](#); [Stephanie Trudel](#); [Scott Crowell](#); [Dennis Lewarch](#); [Wendy Mitchell](#)
Subject: EA for the proposed construction of a pole building at Manchester Research Station, Port Orchard, WA
Date: Tuesday, June 15, 2010 10:50:00 AM

Dear Alison,

In response to the question that you posed yesterday during our phone conversation, excavation will only occur within the fill area. No excavation will occur in undisturbed grounds.

Please call or email me if you have any further questions.

Thank you,
Aislin

Aislin Muto,
Hoefler Consulting Group
425-222-7746 (office)

www.hoeflernet.com

From: Aislin Muto
To: "[Alison Osullivan](#)"
Cc: [Stephanie Trudel](#); [Dennis Lewarch](#); [Wendy Mitchell](#); [Scott Crowell](#); [Leonard Forsman](#)
Subject: RE: Proposed Construction of a Pole Building at Manchester Research Station, Port Orchard, WA
Date: Thursday, June 03, 2010 1:11:00 PM
Attachments: [NOOKSACK BUILDING AREA.PDF](#)
[NOOKSACK UP CLOSE AREA.PDF](#)
[Figure 2 Proposed Location for Nooksack Pole Building.pdf](#)

Dear Alison O'Sullivan,

Please find the attached proposed building area drawings and site map showing the proposed building proximity to Clam Bay, Beaver Creek and Beaver Creek Estuary.

There are no construction drawings yet as the project is design-build. However, from previous experience with pole buildings, excavation for the proposed building will be 12" depth at the floor area (6" slab + 6" granular fill) and 24" deep x 30" wide at the perimeter for the spread footing. In other words, the extent of the excavation for the proposed building is about 15" beyond the perimeter for the footings; 12" depth at the slab floor, and 24" depth at the perimeter.

The utilities that will be ran up to this proposed building will all be buried under the existing asphalt road that currently runs right next to the building site. The excavation for the pipelines will not take place on any previously undisturbed ground.

You may reach me by phone or email.

Thank you,
Aislin Muto,
Hoefler Consulting Group
425-222-7746 (office)
360-201-4504 (cell)

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From: Alison Osullivan [mailto:aosullivan@suquamish.nsn.us]
Sent: Wednesday, May 26, 2010 4:44 PM
To: Aislin Muto
Cc: Leonard Forsman; Stephanie Trudel; Scott Crowell; Dennis Lewarch
Subject: RE: Proposed Construction of a Pole Building at Manchester Research Station, Port Orchard, WA

Mr. Muto,

Thank you for your letter and concern regarding cultural resource impacts. The project vicinity was used intensively by the Suquamish Tribe and is within the Adjudicated Usual & Accustomed Fishing Area of the Tribe. The Suquamish Tribe U and A extends well beyond Reservation boundaries. The U and A fishing places of the Suquamish Tribe include marine waters of Puget Sound from the northern tip of Vashon Island to the Fraser River in Canada. The Suquamish Tribe has several

traditional place names for landforms near the project area, including Beaver Creek, and several archaeological sites have been recorded within the project vicinity. The proposed project area has a high probability for unrecorded archaeological resources and/or human remains. The Suquamish Tribe would like to comment regarding the probability for undiscovered archaeological deposits and human remains in the proposed Nooksack Pole Building project area once adequate project information has been provided (construction plan drawings including limits of clearing and excavation). Tribal archaeologists reviewing this project (and any future projects) for potential cultural resource impacts are Dennis Lewarch (dlewarch@suquamish.nsn.us) and Stephanie Trudel (strudel@suquamish.nsn.us).

In addition to cultural resource impacts the Tribe also reviews projects for Tribal treaty resource impacts. Treaty-reserved resources situated on and off the Port Madison Indian Reservation include, but are not limited to, fishery resources situated within the Suquamish Tribe's U and A fishing area. The Suquamish Tribe, as a resource co-manager, is active in participating in the environmental review process for development proposals within its U and A. The Tribe not only has the right to fish but also the right to preserve and maintain treaty reserved resources. Thus, our standard for review is based on the protection and maintenance of resources as well as the Tribes right to fish and harvest. Governmental departments and agencies undertaking activities affecting Native American tribal rights or trust resources should do so in a knowledgeable, sensitive manner in coordination and consultation with affected Tribes.

The information included was helpful but more project details are needed for review and to provide comment regarding potential environmental impacts. Site development plans including locations of adjacent critical areas and any associated buffers are requested. A three day comment period is not adequate for Tribal review and comment (archaeological, environmental or otherwise).

Please keep us informed of project status and any relevant project related actions. We would like the opportunity to provide comment when requested information is provided and as new information becomes available. If you have any questions regarding the comments above please don't hesitate to give me a call 360-394-8447.

Alison

Alison O'Sullivan

Biologist, Suquamish Tribe

P.O. Box 498

Suquamish, WA 98392

phone: 360-394-8447

fax: 360-598-4666

From: Aislin Muto [mailto:amuto@hoeflernet.com]

Sent: Tuesday, May 25, 2010 4:18 PM

To: Scott Crowell

Cc: Leonard Forsman; Marilyn Jones; Wendy Mitchell

Subject: Proposed Construction of a Pole Building at Manchester Research Station, Port Orchard, WA

Dear Scott Crowell,

Please find the attached letter and site maps for the proposed construction of a pole building at Manchester Research Station, Port Orchard, WA.

You may reach me by phone or email should any questions arise. Thank you for your input.

Best Regards,

Aislin Muto,
Hoefler Consulting Group
425-222-7746 (office)
360-201-4504 (cell)

www.hoeflernet.com



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Anchorage

3401 Minnesota Drive
Suite 300
Anchorage, AK 99503
907-563-2137 phone
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543 3rd Avenue
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30545 SE 84th Street #5
P.O. Box 525
Preston, WA 98050
425-222-7746 phone
425-222-7849 fax

www.hoeflernet.com

May 25, 2010

Mr. Scott Crowell, Director
Community Development
Suquamish Tribe
18490 Suquamish Way NE,
PO Box 498
Suquamish, WA 98392

Subject: Proposed Construction of a Pole Building at Manchester Research Station, Port Orchard, Washington

Dear Mr. Scott Crowell

Hoefler Consulting Group (Hoefler) has been contracted by the National Oceanic and Atmospheric Administration (NOAA) to conduct an Environmental Assessment to determine impact from construction and operation of a proposed pole building at the Manchester Research Station. The building would be located adjacent to existing buildings on a previously disturbed site. The building would be used to house salt water tanks for rearing South Fork Nooksack River spring Chinook and the Stillaguamish River fall Chinook, as part of a restoration project for endangered species.

We are contacting you to determine whether your tribe has any knowledge or concerns regarding the proposed project with respect to historical properties or cultural resources in the immediate area. A site map of the proposed building location is attached for your reference. The address is 7305 Beach Drive East Port Orchard, Washington 98366.

Hoefler is on a tight schedule for completion of the Environmental Assessment for this project. Therefore, we are requesting you provide any comments as soon as possible, no later than Friday May 28, 2010.

Sincerely,

HCG, Inc.
Aislin Muto
Associate Scientist

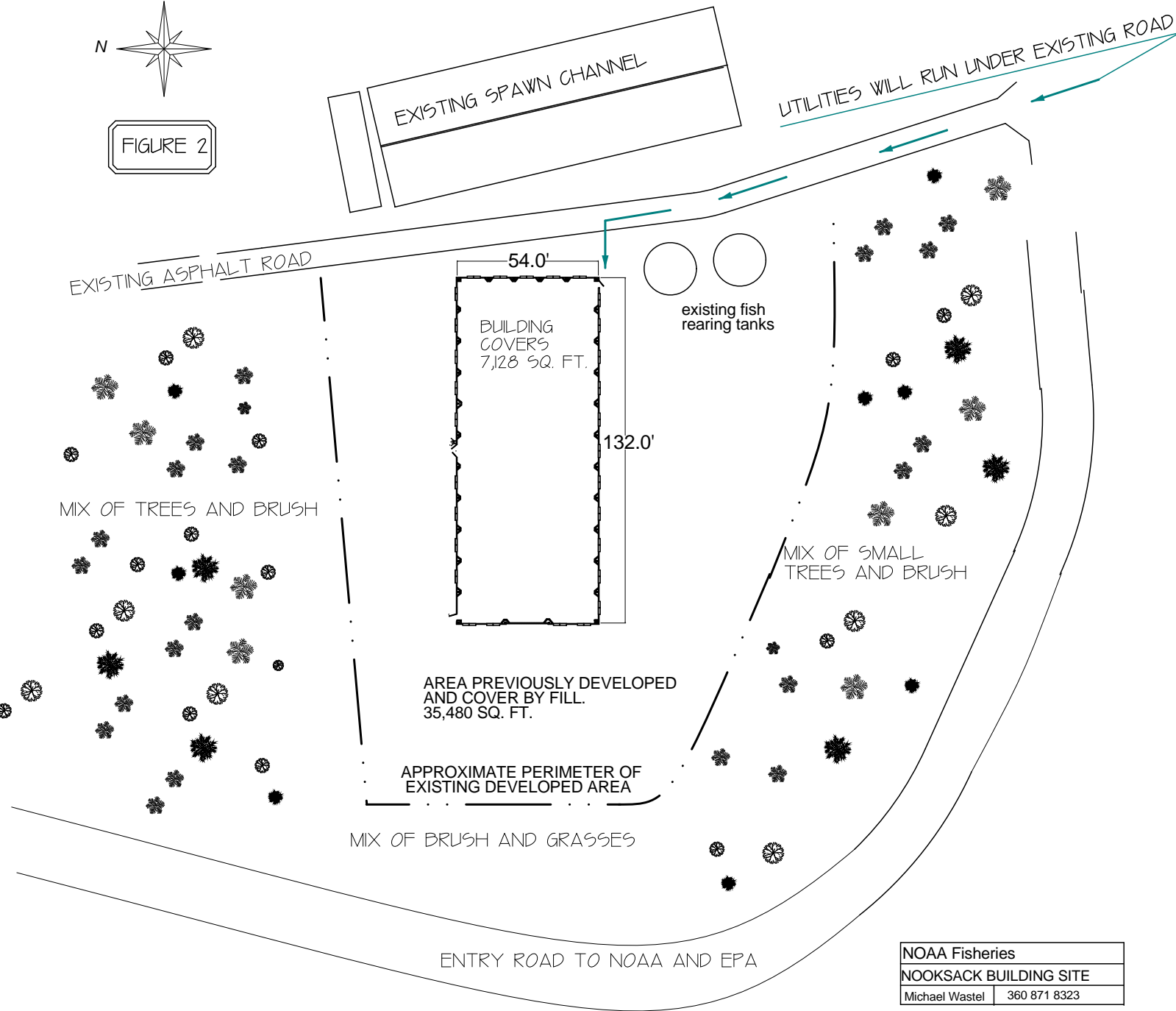
cc: Wendy Mitchell (Senior Scientist), Hoefler
Leonard Forsman (Chair), Suquamish Tribe
Marilyn Jones (Director, Museum/Cultural Center), Suquamish Tribe

NOTES:

AREA PREVIOUSLY DEVELOPED AND USED AS A RECREATION AREA FOR NAVY PERSONNEL
AREA COVER BY SEVERAL FEET OF CLEAN FILL, SAND AND ROCK.
AREA PREVIOUSLY GRADED AND WILL REQUIRE MINIMAL GRADING TO THE SURFACE.
AREA CURRENTLY USED TO STORE EQUIPMENT.
TOP LAYER OF AREA IS MOSTLY GRASSES , WEEDS OR CRUSHED ROCK.



FIGURE 2



NOAA Fisheries	
NOOKSACK BUILDING SITE	
Michael Wastel	360 871 8323

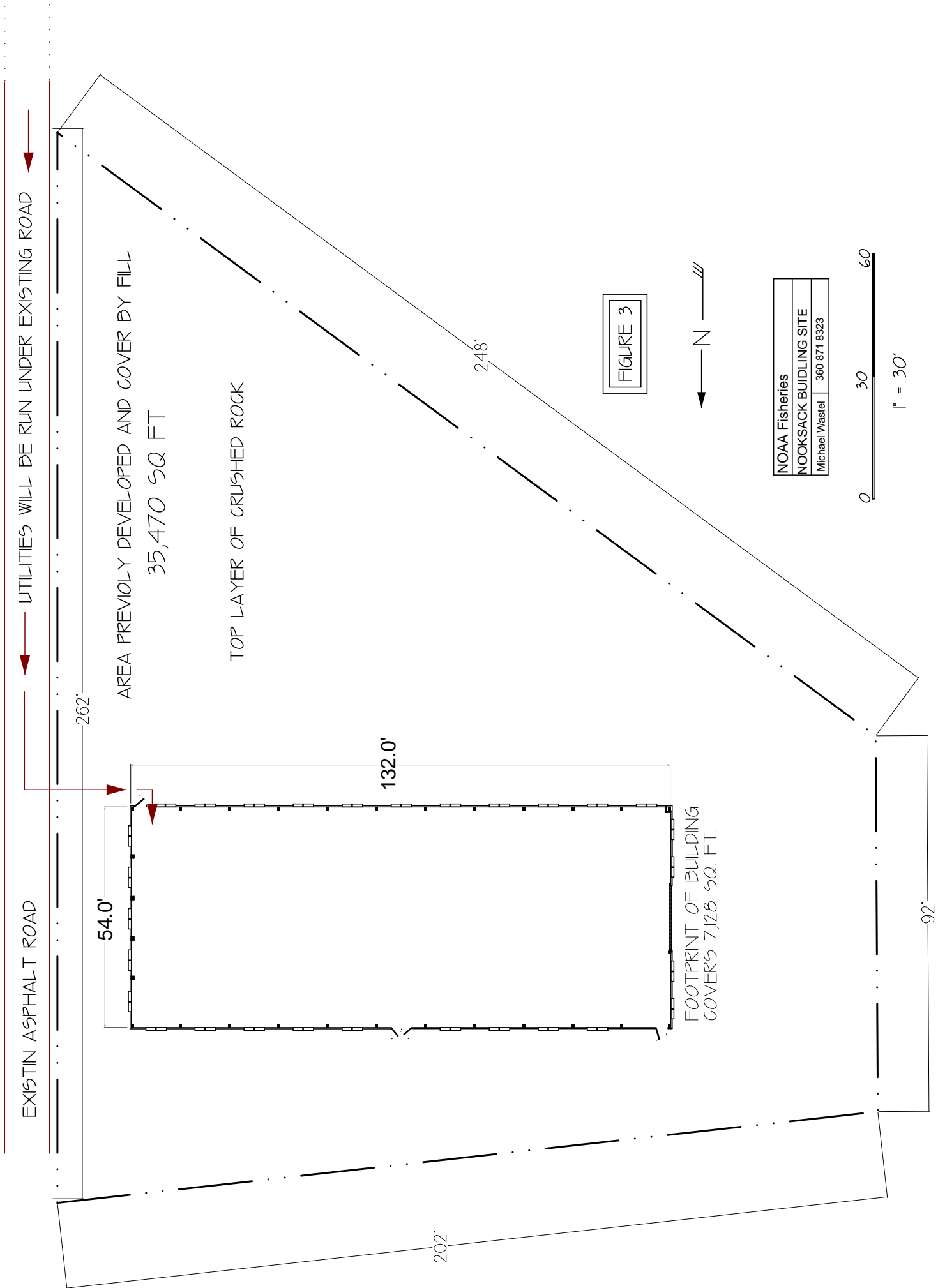


FIGURE 3



NOAA Fisheries	
NOOKSACK BUILDING SITE	
Michael Wastel	360 871 8323



1" = 30'

-----Original Message-----

From: James Hackett [<mailto:James.Hackett@noaa.gov>]

Sent: Friday, June 11, 2010 12:36 PM

To: Wendy Mitchell; Carlin Mcauley; Tom Flagg; Thanh M Trinh

Subject: Re: FW: [Manchester projects](#)

Hi Wendy,

Sorry I did not get back to you sooner things have been somewhat busy.

The trenching of the utilities for the new building are outside of the areas of concern listed in the ICP. These concerned areas are shown in dark gray on the attached map. I have marked the map showing the rout and added a comment.

Please let me know if theres any other questions.

Thanks James

Wendy Mitchell wrote:

> James:

>

> Can you tell me if this consultation with the USACE covered the new

> pole building? If not, can you show me what areas on the attached ICP

> Map would be disturbed during the project so I can clearly determine

> that they are outside the TPH impacted areas?

>

> Thank you,

> Wendy

> (907) 563-2196

>

> -----Original Message-----

> From: Carrell, May G NWS [<mailto:May.G.Carrell@usace.army.mil>]

> Sent: Thursday, June 03, 2010 4:12 PM

> To: Wendy Mitchell; Aislin Muto

> Subject: FW: [Manchester projects](#)

>

> Here's the one from Tom Flagg.

> May

>

> -----Original Message-----

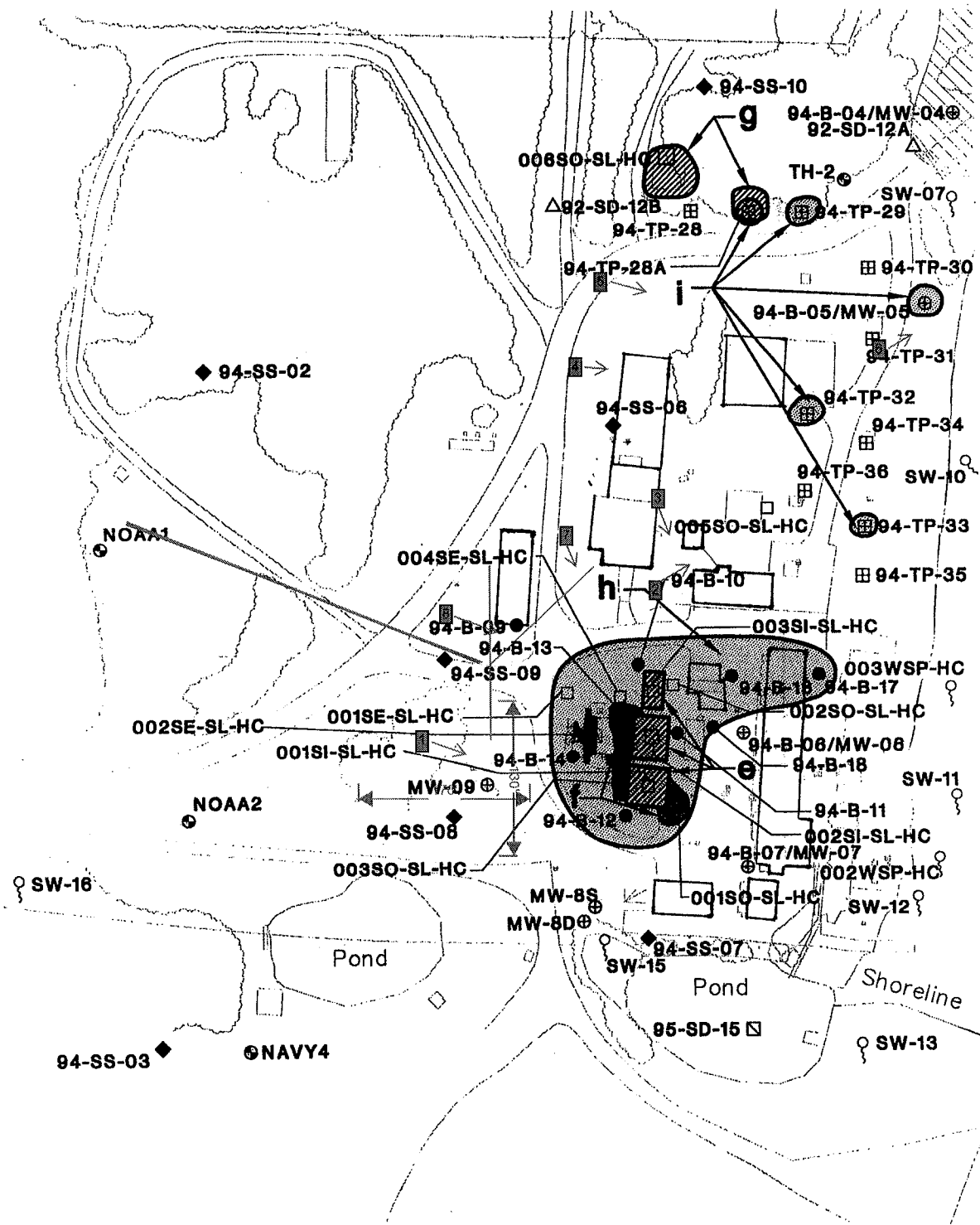
> From: Tom Flagg [<mailto:Tom.Flagg@noaa.gov>]

> Sent: Wednesday, May 26, 2010 11:48 AM

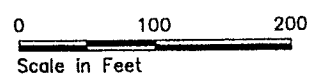
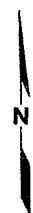
> To: Carrell, May G NWS

> Cc: Ann Byar; Karen Brooks; James Hackett; Chris Tatara; William
> Fairgrieve; Thea Smith Junt
> Subject: Manchester projects
>
> May Carrell
> US Army Corps of Engineers
> PO Box 3755
> Seattle, WA 98124-3755
> 206/764-3418
>
> 26 May 2010
>
> May,
>
> In November 2009, we informed you of several station maintenance and
> upgrade projects that we intended to begin work on during fall/winter
> 2009-2010 (attached). When we informed you of these projects, we
> wanted to ensure that the COE was aware of this work and make sure the
> work was in conformance with conditions you planned to include in the
> Manchester Research Station Institutional Controls Plan (ICP) for the
> FUDS Superfund clean up areas even though it was our understanding
> that the planned work was outside the ICP area of concern. We also
> indicated that to ensure due diligence, we planned to use ICP related
> procedures such
> that: a) BMPs will be used for any storm water controls, and b)
> excavations will be observed to determine if exposed soils contain
> free product.
>
> In your email of 16 November 2009, you indicated that "it appears that
> what NOAA has planned is outside the TPH-impacted areas" and you
> "agree wholeheartedly with the ICP related procedures tht you've
> listed". We want to let you know our progress for these projects. We
> have completed item #2, 3, 4, 5 and construction of the storage
> building portion of item #1. We are now ready to proceed with
> trenching and installation of service lines for items #1, 7, and 8).
> Please let us know if you have any concerns.
>
> Thanks.
>
> Tom
>
> Tom Flagg
> Supervisory Fishery Biologist
> Station Manager
> Manchester Research Station
> NOAA Fisheries Service
> Northwest Fisheries Science Center
> PO Box 130
> Manchester, WA 98353
> Tom.flagg@noaa.gov
> 360-871-8306
>

Soil/Debris Areas Exceeding RAOs in AOC B (Fire Training Area)



- Approximate areas of petroleum contaminated soil removal
- Areas Exceeding RAOs: TPH RAO = 200 mg/kg Diesel
- e** Internal debris -- main simulator complex
- f** Dioxin-impacted soil -- main simulator complex
- g** External debris -- northern simulator
- h** TPH-impacted soil -- main simulator complex
- i** TPH-impacted soil -- fire training structures



Appendix D - EDR

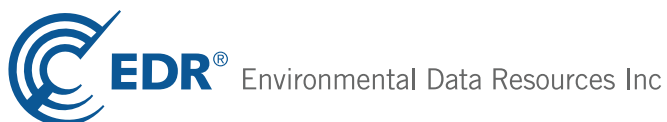
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NOAA NWFSC

7305 Beach Drive East
Port Orchard, WA 98366

Inquiry Number: 2775831.1s
May 21, 2010

The EDR Radius Map™ Report with GeoCheck®



440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

7305 BEACH DRIVE EAST
PORT ORCHARD, WA 98366

COORDINATES

Latitude (North): 47.570100 - 47° 34' 12.4"
Longitude (West): 122.554100 - 122° 33' 14.8"
Universal Transverse Mercator: Zone 10
UTM X (Meters): 533538.6
UTM Y (Meters): 5268398.0
Elevation: 20 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 47122-E5 BREMERTON EAST, WA
Most Recent Revision: 1981

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 7 of the attached EDR Radius Map report:

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
USDOC NOAA NWFSC MANCHESTER 7305 E BEACH DR PORT ORCHARD, WA 98366	ALLSITES SPILLS	N/A
USDOC NOAA NWFSC MANCHESTER 7305 E BEACH DR PORT ORCHARD, WA 98366	FINDS	N/A
7305 EAST BEACH DR. 7305 EAST BEACH DR. PORT ORCHARD, WA 98366	ERNS	N/A

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-SQG..... RCRA - Small Quantity Generators
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

State and tribal landfill and/or solid waste disposal site lists

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

State and tribal leaking storage tank lists

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

State and tribal registered storage tank lists

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

State and tribal institutional control / engineering control registries

INST CONTROL..... Institutional Control Site List

EXECUTIVE SUMMARY

State and tribal voluntary cleanup sites

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

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

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

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs
CSCSL NFA..... Confirmed & Contaminated Sites - No Further Action
CDL..... Clandestine Drug Lab Contaminated Site List
HIST CDL..... List of Sites Contaminated by Clandestine Drug Labs
US HIST CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information
LUCIS..... Land Use Control Information System

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

Other Ascertainable Records

RCRA-NonGen..... RCRA - Non Generators
DOT OPS..... Incident and Accident Data
CONSENT..... Superfund (CERCLA) Consent Decrees
UMTRA..... Uranium Mill Tailings Sites
MINES..... Mines Master Index File
TRIS..... Toxic Chemical Release Inventory System
TSCA..... Toxic Substances Control Act
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing
SSTS..... Section 7 Tracking Systems

EXECUTIVE SUMMARY

ICIS.....	Integrated Compliance Information System
PADS.....	PCB Activity Database System
MLTS.....	Material Licensing Tracking System
RADINFO.....	Radiation Information Database
RAATS.....	RCRA Administrative Action Tracking System
UIC.....	Underground Injection Wells Listing
MANIFEST.....	Hazardous Waste Manifest Data
DRYCLEANERS.....	Drycleaner List
NPDES.....	Water Quality Permit System Data
AIRS.....	Washington Emissions Data System
Inactive Drycleaners.....	Inactive Drycleaners
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
COAL ASH.....	Coal Ash Disposal Site Listing
PCB TRANSFORMER.....	PCB Transformer Registration Database
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
COAL ASH DOE.....	Slam-Electric Plan Operation Data

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants.....	EDR Proprietary Manufactured Gas Plants
EDR Historical Auto Stations..	EDR Proprietary Historic Gas Stations
EDR Historical Cleaners.....	EDR Proprietary Historic Dry Cleaners

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 03/31/2010 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
US EPA MANCHESTER LABORATORY	7411 BEACH DR E	SSE 1/4 - 1/2 (0.445 mi.)	B5	9

Federal CERCLIS list

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 01/29/2010 has revealed that there is 1 CERCLIS site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
US EPA MANCHESTER LABORATORY	7411 BEACH DR E	SSE 1/4 - 1/2 (0.445 mi.)	B5	9

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 12/11/2009 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FISC PUGET SOUND FUEL DEPT	7501 BEACH DR E	SSE 1/2 - 1 (0.531 mi.)	7	47

Federal institutional controls / engineering controls registries

US ENG CONTROLS: A listing of sites with engineering controls in place.

A review of the US ENG CONTROLS list, as provided by EDR, and dated 12/20/2009 has revealed that there is 1 US ENG CONTROLS site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
US EPA MANCHESTER LABORATORY	7411 BEACH DR E	SSE 1/4 - 1/2 (0.445 mi.)	B5	9

EXECUTIVE SUMMARY

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

A review of the US INST CONTROL list, as provided by EDR, and dated 12/20/2009 has revealed that there is 1 US INST CONTROL site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
US EPA MANCHESTER LABORATORY	7411 BEACH DR E	SSE 1/4 - 1/2 (0.445 mi.)	B5	9

State- and tribal - equivalent NPL

HSL: The Hazardous Sites List is a subset of the CSCSL Report. It includes sites which have been assessed and ranked using the Washington Ranking Method (WARM).

A review of the HSL list, as provided by EDR, and dated 02/17/2010 has revealed that there is 1 HSL site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WA ECY MANCHESTER LAB Facility Type: Hazardous Sites List	7411 BEACH DR E ECY LAB	SSE 1/4 - 1/2 (0.445 mi.)	B6	33

State- and tribal - equivalent CERCLIS

CSCSL: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Ecology's Confirmed & Suspected Contaminated Sites List.

A review of the CSCSL list, as provided by EDR, and dated 04/26/2010 has revealed that there is 1 CSCSL site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WA ECY MANCHESTER LAB	7411 BEACH DR E ECY LAB	SSE 1/4 - 1/2 (0.445 mi.)	B6	33

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

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

A review of the ALLSITES list, as provided by EDR, and dated 05/12/2010 has revealed that there are 2 ALLSITES sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
US EPA MANCHESTER LABORATORY	7411 BEACH DR E	SSE 1/4 - 1/2 (0.445 mi.)	B5	9

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WA ECY MANCHESTER LAB	7411 BEACH DR E ECY LAB	SSE 1/4 - 1/2 (0.445 mi.)	B6	33

Other Ascertainable Records

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

A review of the DOD list, as provided by EDR, and dated 12/31/2005 has revealed that there is 1 DOD site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BANGOR NAVAL SUBMARINE BASE		0 - 1/8 (0.000 mi.)	0	8

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 12/31/2008 has revealed that there are 2 FUDS sites within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MANCHESTER ANNEX		NE 1/8 - 1/4 (0.182 mi.)	4	8
MANCHESTER AAA SITE		NNE 1/2 - 1 (0.609 mi.)	8	66

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

A review of the ROD list, as provided by EDR, and dated 03/31/2010 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
US EPA MANCHESTER LABORATORY	7411 BEACH DR E	SSE 1/4 - 1/2 (0.445 mi.)	B5	9












EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
KANSAS STREET RIGHT OF WAY OPENING	ALLSITES
INDIANA STREET RIGHT OF WAY	ALLSITES
1950 HWY 161 SE	FINDS, ALLSITES, UST
8900 HWY 3 SW	FINDS, ALLSITES
4143 SE HWY 160	FINDS, ALLSITES
TREMONT MEDICAL OFFICE COMPLEX	ALLSITES
WOODS ROAD OF HWY N	RCRA-NonGen, FINDS, ALLSITES
NOAA	SPILLS
COUNTRY JUNCTION STORE	UST
WILKINS DISTRIBUTING CO.	ICR
BOWMAN HEATING OIL	ICR

OVERVIEW MAP - 2775831.1s

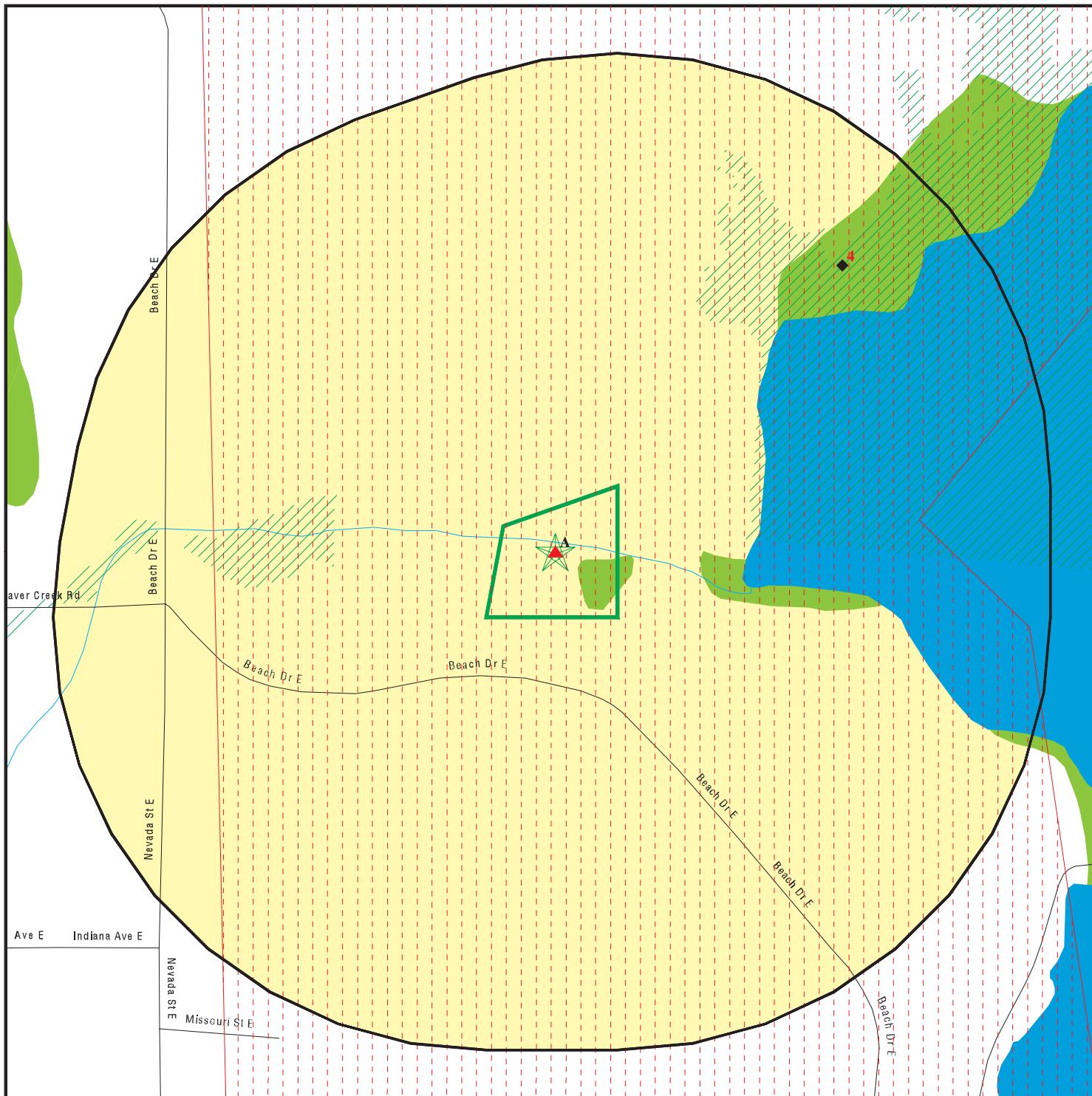









-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  National Priority List Sites
-  Dept. Defense Sites
-  Indian Reservations BIA
-  Oil & Gas pipelines
-  100-year flood zone
-  500-year flood zone
-  National Wetland Inventory






SITE NAME: NOAA NWFSC
 ADDRESS: 7305 Beach Drive East
 Port Orchard WA 98366
 LAT/LONG: 47.5701 / 122.5541

CLIENT: Hoefler Consulting Group
 CONTACT: Phil Barnes
 INQUIRY #: 2775831.1s
 DATE: May 21, 2010 3:53 pm

DETAIL MAP - 2775831.1s



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

-  Indian Reservations BIA
-  Oil & Gas pipelines
-  100-year flood zone
-  500-year flood zone
-  National Wetland Inventory

<p>SITE NAME: NOAA NWFSC ADDRESS: 7305 Beach Drive East Port Orchard WA 98366 LAT/LONG: 47.5701 / 122.5541</p>	<p>CLIENT: Hoefler Consulting Group CONTACT: Phil Barnes INQUIRY #: 2775831.1s DATE: May 21, 2010 3:53 pm</p>
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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>STANDARD ENVIRONMENTAL RECORDS</u>								
<i>Federal NPL site list</i>								
NPL		1.000	0	0	1	0	NR	1
Proposed NPL		1.000	0	0	0	0	NR	0
NPL LIENS		TP	NR	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL		1.000	0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
CERCLIS		0.500	0	0	1	NR	NR	1
FEDERAL FACILITY		1.000	0	0	0	0	NR	0
<i>Federal CERCLIS NFRAP site List</i>								
CERC-NFRAP		0.500	0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS		1.000	0	0	0	1	NR	1
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF		0.500	0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG		0.250	0	0	NR	NR	NR	0
RCRA-SQG		0.250	0	0	NR	NR	NR	0
RCRA-CESQG		0.250	0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
US ENG CONTROLS		0.500	0	0	1	NR	NR	1
US INST CONTROL		0.500	0	0	1	NR	NR	1
<i>Federal ERNS list</i>								
ERNS	X	TP	NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL</i>								
HSL		1.000	0	0	1	0	NR	1
<i>State- and tribal - equivalent CERCLIS</i>								
CSCSL		1.000	0	0	1	0	NR	1
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF		0.500	0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST		0.500	0	0	0	NR	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
State and tribal registered storage tank lists								
UST		0.250	0	0	NR	NR	NR	0
AST		0.250	0	0	NR	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
FEMA UST		0.250	0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
INST CONTROL		0.500	0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
VCP		0.500	0	0	0	NR	NR	0
INDIAN VCP		0.500	0	0	0	NR	NR	0
ICR		0.500	0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS		0.500	0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
ODI		0.500	0	0	0	NR	NR	0
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
SWTIRE		0.500	0	0	0	NR	NR	0
INDIAN ODI		0.500	0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL		TP	NR	NR	NR	NR	NR	0
ALLSITES	X	0.500	0	0	2	NR	NR	2
CSCSL NFA		0.500	0	0	0	NR	NR	0
CDL		TP	NR	NR	NR	NR	NR	0
HIST CDL		TP	NR	NR	NR	NR	NR	0
US HIST CDL		TP	NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2		TP	NR	NR	NR	NR	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS		TP	NR	NR	NR	NR	NR	0
SPILLS	X	TP	NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA-NonGen		0.250	0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DOT OPS		TP	NR	NR	NR	NR	NR	0
DOD		1.000	1	0	0	0	NR	1
FUDS		1.000	0	1	0	1	NR	2
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	1	0	NR	1
UMTRA		0.500	0	0	0	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
HIST FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
UIC		TP	NR	NR	NR	NR	NR	0
MANIFEST		0.250	0	0	NR	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
NPDES		TP	NR	NR	NR	NR	NR	0
AIRS		TP	NR	NR	NR	NR	NR	0
Inactive Drycleaners		0.250	0	0	NR	NR	NR	0
INDIAN RESERV		1.000	0	0	0	0	NR	0
SCRD DRYCLEANERS		0.500	0	0	0	NR	NR	0
COAL ASH		0.500	0	0	0	NR	NR	0
PCB TRANSFORMER		TP	NR	NR	NR	NR	NR	0
COAL ASH EPA		0.500	0	0	0	NR	NR	0
COAL ASH DOE		TP	NR	NR	NR	NR	NR	0

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants		1.000	0	0	0	0	NR	0
EDR Historical Auto Stations		0.250	0	0	NR	NR	NR	0
EDR Historical Cleaners		0.250	0	0	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

A1 USDOC NOAA NWFSC MANCHESTER
Target 7305 E BEACH DR
Property PORT ORCHARD, WA 98366

ALLSITES S109010824
SPILLS N/A

Site 1 of 3 in cluster A

Actual:
20 ft.

ALLSITES:
Facility Id: 7538304
Latitude: 47.565117999999998
Longitude: -122.54999599999999
Geographic location identifier (alias facid): 7538304
Facility Name: USDOC NOAA NWFSC MANCHESTER
Latitude Decimal Degrees: 47.565117999999998
Longitude Decimal Degrees: -122.54999599999999
Coordinate Point Areal Extent Code: 99
Horizontal Accuracy Code: 99
Coordinate Point Geographic Position Code: 8
Location Verified Code: N

Geographic Location Identifier (Alias Facid): 7538304
Interaction (Aka Env Int) Type Code: TIER2
Interaction (Aka Env Int) Description: Emergency/Haz Chem Rpt TIER2
Interaction Status: A
Federal Program Identifier: CRK000063090
Interaction Start Date: 2/1/2005
Interaction End Date: Not reported

SPILLS:
Facility ID: 605019
Medium: Not reported
Material Desc: OTHER - SEE NOTE
Material Qty: Not reported
Material Units: Not reported
Date Received: 4/14/2008 3:57:00 PM
Contact Name: BYAR

A2 USDOC NOAA NWFSC MANCHESTER
Target 7305 E BEACH DR
Property PORT ORCHARD, WA 98366

FINDS 1008389429
N/A

Site 2 of 3 in cluster A

Actual:
20 ft.

FINDS:
Registry ID: 110022443435

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A3
Target
Property

7305 EAST BEACH DR.
7305 EAST BEACH DR.
PORT ORCHARD, WA 98366

ERNS **2008867930**
N/A

Site 3 of 3 in cluster A

Actual:
20 ft.

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

DOD
Region

BANGOR NAVAL SUBMARINE BASE
BANGOR NAVAL SUBMARINE BA (County), WA

DOD **CUSA101050**
N/A

< 1/8
1 ft.

DOD:

Feature 1: Navy DOD
Feature 2: Not reported
Feature 3: Not reported
URL: Not reported
Name 1: Bangor Naval Submarine Base
Name 2: Not reported
Name 3: Not reported
State: WA
DOD Site: Yes
Tile name: WAKITSAP

4
NE
1/8-1/4
0.182 mi.
961 ft.

MANCHESTER ANNEX
MANCHESTER, WA

FUDS **1007211201**
N/A

Relative:
Lower

FUDS:

Federal Facility ID: WA9799F8326
FUDS #: F10WA0119
INST ID: 56697
Facility Name: MANCHESTER ANNEX
City: MANCHESTER
State: WA
EPA Region: 10
County: KITSAP
Congressional District: 06
US Army District: Kansas City District (NWK)
Fiscal Year: 2008
Telephone: 816-983-3486
NPL Status: Listed
RAB: Y
CTC: 3765.70483
Current Owner: FEDERAL; STATE

Actual:
7 ft.

FUDS Description Details:

The Manchester Annex site, consisting of approximately 350 acres, is located outside the town of Manchester, approximately 10 miles northeast of Port Orchard, Washington.

FUDS History Details:

The site was originally known as Middle Point, or Fortress (Battery) Mitchel, a component of the harbor defenses of Puget Sound in 1898.

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

MANCHESTER ANNEX (Continued)

1007211201

The Navy assumed control of the site in 1919 and used the facility to store coal and later oil for ship refueling. A portion of the facility was used as a fire training center for the Navy, which also maintained antisubmarine nets and mines at the site. In 1960, the Navy exsessed the 160-acre northern portion of the site, now known as the Manchester Annex. The EPA and NOAA have facilities on the property, and Manchester State Park, including Battery Mitchel, occupies the northern portion of the site.

FUDS Current Program Details:

FUDS Future Program Details:

B5
SSE
 1/4-1/2
 0.445 mi.
 2352 ft.

US EPA MANCHESTER LABORATORY
7411 BEACH DR E
MANCHESTER, WA 98353
 Site 1 of 2 in cluster B

NPL
CERCLIS
RCRA-SQG
US ENG CONTROLS
US INST CONTROL
ROD
PADS
FINDS
ALLSITES
MANIFEST
MANIFEST
HAZNET

1000885186
WA8680030931

Relative:
 Lower

Actual:
 19 ft.

NPL:
 EPA ID: WA8680030931
 EPA Region: 10
 Federal: Y
 Final Date: Not reported

Site Details:
 Site Name: OLD NAVY DUMP/MANCHESTER LABORATORY (USEPA/NOAA)
 Site Status: Final
 Site Zip: 98352
 Site City: MANCHESTER
 Site State: WA
 Federal Site: Yes
 Site County: KITSAP
 EPA Region: 10
 Date Proposed: 01/18/94
 Date Deleted: Not reported
 Date Finalized: 05/31/94

Substance Details:
 NPL Status: Currently on the Final NPL
 Substance ID: Not reported
 Substance: Not reported
 CAS #: Not reported
 Pathway: Not reported
 Scoring: Not reported

NPL Status: Currently on the Final NPL
 Substance ID: A003

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US EPA MANCHESTER LABORATORY (Continued)

1000885186

Substance: ANTIMONY AND COMPOUNDS
CAS #: Not reported
Pathway: SURFACE WATER PATHWAY
Scoring: 2

NPL Status: Currently on the Final NPL
Substance ID: A038
Substance: NICKEL AND COMPOUNDS
CAS #: Not reported
Pathway: SURFACE WATER PATHWAY
Scoring: 2

NPL Status: Currently on the Final NPL
Substance ID: C178
Substance: COPPER AND COMPOUNDS
CAS #: Not reported
Pathway: SURFACE WATER PATHWAY
Scoring: 2

NPL Status: Currently on the Final NPL
Substance ID: C246
Substance: VANADIUM AND COMPOUNDS
CAS #: Not reported
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Currently on the Final NPL
Substance ID: C247
Substance: ZINC AND COMPOUNDS
CAS #: Not reported
Pathway: SURFACE WATER PATHWAY
Scoring: 2

NPL Status: Currently on the Final NPL
Substance ID: C460
Substance: MERCURY
CAS #: 7439-97-6
Pathway: SURFACE WATER PATHWAY
Scoring: 4

NPL Status: Currently on the Final NPL
Substance ID: C629
Substance: AROCLOR 1260
CAS #: 11096-82-5
Pathway: SURFACE WATER PATHWAY
Scoring: 4

NPL Status: Currently on the Final NPL
Substance ID: D005
Substance: BARIUM
CAS #: 7440-39-3
Pathway: SURFACE WATER PATHWAY
Scoring: 2

NPL Status: Currently on the Final NPL
Substance ID: D006
Substance: CADMIUM (CD)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US EPA MANCHESTER LABORATORY (Continued)

1000885186

CAS #: 7440-43-9
Pathway: SURFACE WATER PATHWAY
Scoring: 2

NPL Status: Currently on the Final NPL
Substance ID: D008
Substance: LEAD (PB)
CAS #: 7439-92-1
Pathway: SURFACE WATER PATHWAY
Scoring: 2

NPL Status: Currently on the Final NPL
Substance ID: D011
Substance: SILVER
CAS #: 7440-22-4
Pathway: SURFACE WATER PATHWAY
Scoring: 2

Summary Details:

Manchester Laboratory is located along the western shore of Clam Bay, which is an embayment off the west side of Rich Passage in Puget Sound. The site is approximately 1 1/4 miles north of Manchester, Washington. Federal ownership of this site started with the U.S. Army in 1898. In 1924, the entire area was transferred to the U.S. Navy. Between 1941 and 1944, a submarine net depot and an open storage area were established on what is now EPA's property. In the early 1970s, EPA and NOAA acquired a portion of the former Navy property. Available records are somewhat unclear, but it appears that the Navy started disposing of scrap metal from onsite submarine net construction in the dump site in the 1950s. By 1957, a dike was constructed across a shoreline area on the west side of Clam Bay. Scrap metal from nearby submarine net construction and the Navy's Bremerton Shipyard were reportedly placed in the dump site. The entire contents of the dump site, however, are undocumented. A burn pit was also constructed in the 1950s on the east side of the dump site and appears to have been used into the early 1960s. Materials allegedly burned in the pit include wastes from an on-site dispensary and waste paper products. PCB contaminated oil in underground storage tanks may have been dumped and subsequently burned in fire fighting activities. As the current owner of part of the former Navy property, EPA has conducted the Preliminary Assessment and Site Inspections required under section 120 of CERCLA, as amended, which established the Federal Facility Hazardous Waste Compliance Docket. The most recent inspection, conducted by EPA in May, 1992, documented heavy metals, mercury, asbestos, and PCBs in the old navy dump. Runoff water from the dump contains copper and iron in excess of Ambient Water Quality Criteria established under the Clean Water Act. Offshore sediments contain elevated levels of metals, mercury, and PCBs. NOAA has also completed a Preliminary Assessment for their portion of the former Navy property. Clam Bay is used primarily for recreational shellfishing and is also known to be used by the bald eagle, a Federally threatened species designated under the Endangered Species Act. EPA will negotiate with the Navy to perform any clean-up necessary at this site. EPA and NOAA have also contacted the U.S. Army Corps of Engineers under the Formerly Utilized Defense Site (FUDS) program to conduct further remedial work. The description of the site (release) is based on information available at the time the site was scored. The description may change as additional information is gathered on the sources and extent of contamination. See 56 FR 5600, February 11, 1991, or subsequent FR notices.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US EPA MANCHESTER LABORATORY (Continued)

1000885186

Site Status Details:

NPL Status: Final
Proposed Date: 01/18/1994
Final Date: 05/31/1994
Deleted Date: Not reported

Narratives Details:

NPL Name: OLD NAVY DUMP/MANCHESTER LABORATORY (USEPA/NOAA)
City: MANCHESTER
State: WA

CERCLIS:

Site ID: 1001134
Federal Facility: Federal Facility
NPL Status: Currently on the Final NPL
Non NPL Status: Not reported

CERCLIS Site Contact Name(s):

Contact Name: KIRA LYNCH
Contact Tel: (206) 553-2144
Contact Title: Remedial Project Manager (RPM)

CERCLIS Site Alias Name(s):

Alias Name: OLD NAVY DUMP/MANCHESTER LAB(USEPA/NOAA)
Alias Address: 7411 BEACH DR E
MANCHESTER, WA 98353
Alias Name: OLD NAVY DUMP/MANCHESTER LABORATORY (USEPA/NOAA)
Alias Address: 7411 BEACH DR E
MANCHESTER, WA 98353
Alias Name: USEPA/NOAA OLD NAVY DUMP/MANCHESTER LABORATORY
Alias Address: Not reported
Not reported
Alias Name: USEPA/NOAA OLD NAVY DUMP/MANCHESTER LABORATORY
Alias Address: Not reported
Not reported
Alias Name: OLD NAVY DUMP/MANCHESTER LAB(USEPA/NOAA)
Alias Address: 7411 BEACH DR E
MANCHESTER, WA 98353
Alias Name: OLD NAVY DUMP/MANCHESTER LABORATORY (USEPA/NOAA)
Alias Address: Not reported
MANCHESTER, WA 98352
Alias Name: OLD NAVY DUMP/MANCHESTER (USEPA/NOAA)
Alias Address: 7411 BEACH DR E
MANCHESTER, WA 99549

Site Description: Not reported

CERCLIS Assessment History:

Action: DISCOVERY
Date Started: Not reported
Date Completed: 03/01/87
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: 03/25/88

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US EPA MANCHESTER LABORATORY (Continued)

1000885186

Date Completed: 03/25/88
Priority Level: Higher priority for further assessment

Action: HAZARD RANKING SYSTEM PACKAGE
Date Started: Not reported
Date Completed: 10/29/93
Priority Level: Not reported

Action: PROPOSAL TO NATIONAL PRIORITIES LIST
Date Started: Not reported
Date Completed: 01/18/94
Priority Level: Not reported

Action: FINAL LISTING ON NATIONAL PRIORITIES LIST
Date Started: Not reported
Date Completed: 05/31/94
Priority Level: Not reported

Action: INTERAGENCY AGREEMENT NEGOTIATIONS
Date Started: 07/06/94
Date Completed: 07/30/97
Priority Level: Not reported

Action: FEDERAL INTERAGENCY AGREEMENT
Date Started: 07/30/97
Date Completed: 07/30/97
Priority Level: Not reported

Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started: 10/18/94
Date Completed: 09/30/97
Priority Level: Not reported

Action: RECORD OF DECISION
Date Started: Not reported
Date Completed: 09/30/97
Priority Level: Final Remedy Selected at Site

Action: FEDERAL FACILITY REMOVAL
Date Started: 06/08/98
Date Completed: 09/29/98
Priority Level: Stabilized

Action: FEDERAL FACILITY REMEDIAL DESIGN
Date Started: 11/18/97
Date Completed: 06/22/99
Priority Level: Not reported

Action: PRELIMINARY CLOSE-OUT REPORT PREPARED
Date Started: Not reported
Date Completed: 09/30/02
Priority Level: Not reported

Action: FEDERAL FACILITY FIVE YEAR REVIEW
Date Started: Not reported
Date Completed: 09/30/04
Priority Level: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US EPA MANCHESTER LABORATORY (Continued)

1000885186

Action: FEDERAL FACILITY REMEDIAL ACTION
Date Started: 06/22/99
Date Completed: 03/29/05
Priority Level: Not reported

Action: FEDERAL FACILITY FIVE YEAR REVIEW
Date Started: Not reported
Date Completed: 09/28/09
Priority Level: Not reported

RCRA-SQG:

Date form received by agency: 01/25/2008
Facility name: US EPA MANCHESTER LABORATORY
Facility address: 7411 BEACH DR E
MANCHESTER, WA 98353
EPA ID: WA8680030931
Contact: TONY MORRIS
Contact address: 7411 BEACH DR E
PORT ORCHARD, WA 98366-8204
Contact country: US
Contact telephone: (360)871-8714
Contact email: Not reported
EPA Region: 10
Land type: Federal
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: US EPA
Owner/operator address: 7411 BEACH DR E
PORT ORCHARD, WA 98366
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Federal
Owner/Operator Type: Operator
Owner/Op start date: 05/21/1996
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US EPA MANCHESTER LABORATORY (Continued)

1000885186

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Historical Generators:

Date form received by agency: 12/31/2007
Facility name: US EPA MANCHESTER LABORATORY
Classification: Small Quantity Generator

Date form received by agency: 12/31/2005
Facility name: US EPA MANCHESTER LABORATORY
Classification: Small Quantity Generator

Date form received by agency: 12/31/2003
Facility name: US EPA MANCHESTER LABORATORY
Classification: Small Quantity Generator

Date form received by agency: 03/01/1996
Facility name: US EPA MANCHESTER LABORATORY
Site name: EPA/ECOLOGY MANCHESTER LABORATORY
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Used Oil - Generators
Date violation determined: 06/06/2007
Date achieved compliance: 07/02/2007
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/20/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 06/06/2007
Date achieved compliance: 07/02/2007
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/20/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Universal Waste - Small Quantity Handlers
Date violation determined: 06/06/2007
Date achieved compliance: 07/02/2007

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US EPA MANCHESTER LABORATORY (Continued)

1000885186

Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/20/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 06/19/1986
Date achieved compliance: 08/19/1986
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date violation determined: 06/19/1986
Date achieved compliance: 08/19/1986
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 01/15/2008
Evaluation: FACILITY SELF DISCLOSURE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/06/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Universal Waste - Small Quantity Handlers
Date achieved compliance: 07/02/2007
Evaluation lead agency: EPA

Evaluation date: 06/06/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Used Oil - Generators
Date achieved compliance: 07/02/2007
Evaluation lead agency: EPA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US EPA MANCHESTER LABORATORY (Continued)

1000885186

Evaluation date: 06/06/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 07/02/2007
Evaluation lead agency: EPA

Evaluation date: 06/19/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date achieved compliance: 08/19/1986
Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Evaluation date: 06/19/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 08/19/1986
Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

US ENG CONTROLS:

EPA ID: WA8680030931
Site ID: 1001134
Name: OLD NAVY DUMP/MANCHESTER LABORATORY (USEPA/NOAA)
Address: Not reported
MANCHESTER, WA 98352

EPA Region: 10
County: KITSAP
Event Code: Not reported
Actual Date: Not reported

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/30/1997
Planned Complet. date: 9/30/1997
Operable Unit: 01
Contaminated Media : Debris
Engineering Control: Cap

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/30/1997
Planned Complet. date: 9/30/1997
Operable Unit: 01
Contaminated Media : Debris
Engineering Control: Containment, (N.O.S.)

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/30/1997
Planned Complet. date: 9/30/1997
Operable Unit: 01
Contaminated Media : Debris
Engineering Control: Disposal

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/30/1997
Planned Complet. date: 9/30/1997
Operable Unit: 01

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US EPA MANCHESTER LABORATORY (Continued)

1000885186

Contaminated Media : Debris
Engineering Control: Monitoring

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/30/1997
Planned Complet. date: 9/30/1997
Operable Unit: 01
Contaminated Media : Debris
Engineering Control: Operations & Maintenance (O&M)

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/30/1997
Planned Complet. date: 9/30/1997
Operable Unit: 01
Contaminated Media : Debris
Engineering Control: Treatment, (N.O.S.)

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/30/1997
Planned Complet. date: 9/30/1997
Operable Unit: 01
Contaminated Media : Leachate
Engineering Control: Hydraulic Control

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/30/1997
Planned Complet. date: 9/30/1997
Operable Unit: 01
Contaminated Media : Leachate
Engineering Control: Monitoring

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/30/1997
Planned Complet. date: 9/30/1997
Operable Unit: 01
Contaminated Media : Sediment
Engineering Control: Cap

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/30/1997
Planned Complet. date: 9/30/1997
Operable Unit: 01
Contaminated Media : Sediment
Engineering Control: Excavation

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/30/1997
Planned Complet. date: 9/30/1997
Operable Unit: 01
Contaminated Media : Sediment

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US EPA MANCHESTER LABORATORY (Continued)

1000885186

Engineering Control: Monitoring

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/30/1997
Planned Complet. date: 9/30/1997
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Cap

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/30/1997
Planned Complet. date: 9/30/1997
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Containment, (N.O.S.)

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/30/1997
Planned Complet. date: 9/30/1997
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Disposal

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/30/1997
Planned Complet. date: 9/30/1997
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Excavation

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/30/1997
Planned Complet. date: 9/30/1997
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Impermeable Barrier

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/30/1997
Planned Complet. date: 9/30/1997
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Monitoring

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/30/1997
Planned Complet. date: 9/30/1997
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: No Action

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US EPA MANCHESTER LABORATORY (Continued)

1000885186

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/30/1997
Planned Complet. date: 9/30/1997
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Operations & Maintenance (O&M)

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 9/30/1997
Planned Complet. date: 9/30/1997
Operable Unit: 01
Contaminated Media : Surface Water
Engineering Control: No Action

US INST CONTROL:

EPA ID: WA8680030931
Site ID: 1001134
Name: OLD NAVY DUMP/MANCHESTER LABORATORY (USEPA/NOAA)
Action Name: RECORD OF DECISION
Address: Not reported
MANCHESTER, WA 98352
EPA Region: 10
County: KITSAP
Event Code: Not reported
Inst. Control: Institutional Controls, (N.O.S.)
Actual Date: Not reported
Complet. Date: 9/30/1997
Operable Unit: 01
Contaminated Media : Debris

EPA ID: WA8680030931
Site ID: 1001134
Name: OLD NAVY DUMP/MANCHESTER LABORATORY (USEPA/NOAA)
Action Name: RECORD OF DECISION
Address: Not reported
MANCHESTER, WA 98352
EPA Region: 10
County: KITSAP
Event Code: Not reported
Inst. Control: Land Use Restriction
Actual Date: Not reported
Complet. Date: 9/30/1997
Operable Unit: 01
Contaminated Media : Debris

EPA ID: WA8680030931
Site ID: 1001134
Name: OLD NAVY DUMP/MANCHESTER LABORATORY (USEPA/NOAA)
Action Name: RECORD OF DECISION
Address: Not reported
MANCHESTER, WA 98352
EPA Region: 10
County: KITSAP
Event Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US EPA MANCHESTER LABORATORY (Continued)

1000885186

Inst. Control: Deed Restriction
Actual Date: Not reported
Comple. Date: 9/30/1997
Operable Unit: 01
Contaminated Media : Soil

EPA ID: WA8680030931
Site ID: 1001134
Name: OLD NAVY DUMP/MANCHESTER LABORATORY (USEPA/NOAA)
Action Name: RECORD OF DECISION
Address: Not reported
MANCHESTER, WA 98352

EPA Region: 10
County: KITSAP
Event Code: Not reported
Inst. Control: Institutional Controls, (N.O.S.)
Actual Date: Not reported
Comple. Date: 9/30/1997
Operable Unit: 01
Contaminated Media : Soil

EPA ID: WA8680030931
Site ID: 1001134
Name: OLD NAVY DUMP/MANCHESTER LABORATORY (USEPA/NOAA)
Action Name: RECORD OF DECISION
Address: Not reported
MANCHESTER, WA 98352

EPA Region: 10
County: KITSAP
Event Code: Not reported
Inst. Control: Land Use Restriction
Actual Date: Not reported
Comple. Date: 9/30/1997
Operable Unit: 01
Contaminated Media : Soil

ROD:

Full-text of USEPA Record of Decision(s) is available from EDR.

FINDS:

Registry ID: 110005310314

Environmental Interest/Information System

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

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

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Database(s)

EDR ID Number
EPA ID Number

US EPA MANCHESTER LABORATORY (Continued)

1000885186

corrective action activities required under RCRA.

CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) is the Superfund database that is used to support management in all phases of the Superfund program. The system contains information on all aspects of hazardous waste sites, including an inventory of sites, planned and actual site activities, and financial information.

ALLSITES:

Facility Id: 2608
Latitude: 47.56908
Longitude: -122.55591
Geographic location identifier (alias facid): 2608
Facility Name: US EPA Manchester Laboratory
Latitude Decimal Degrees: 47.56908
Longitude Decimal Degrees: -122.55591
Coordinate Point Areal Extent Code: 99
Horizontal Accuracy Code: 4
Coordinate Point Geographic Position Code: 99
Location Verified Code: Y

Geographic Location Identifier (Alias Facid): 2608
Interaction (Aka Env Int) Type Code: TIER2
Interaction (Aka Env Int) Description: Emergency/Haz Chem Rpt TIER2
Interaction Status: A
Federal Program Identifier: WA8680030931
Interaction Start Date: 1/1/1994
Interaction End Date: Not reported

Geographic Location Identifier (Alias Facid): 2608
Interaction (Aka Env Int) Type Code: HWP
Interaction (Aka Env Int) Description: Hazardous Waste Planner
Interaction Status: I
Federal Program Identifier: WA8680030931
Interaction Start Date: 1/1/1997
Interaction End Date: 9/30/2009

Geographic Location Identifier (Alias Facid): 2608
Interaction (Aka Env Int) Type Code: HWG
Interaction (Aka Env Int) Description: Hazardous Waste Generator
Interaction Status: A
Federal Program Identifier: WA8680030931
Interaction Start Date: 6/27/1985
Interaction End Date: Not reported

WA MANIFEST:

Facility Site ID Number: 2608
SWC Desc: WT02 WP02WL02
FWC Desc: D001 - D011, F002 - F005D001-D043 F001-F003 F005
Form Comm: Not reported
Data Year: Not reported
Permit by Rule: True
Treatment by Generator: False

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US EPA MANCHESTER LABORATORY (Continued)

1000885186

Mixed radioactive waste: False
Importer of hazardous waste: False
Immediate recycler: False
Treatment/Storage/Disposal/Recycling Facility: False
Generator of dangerous fuel waste: False
Generator marketing to burner: False
"Other marketers (i.e., blender, distributor, etc.)": False
Utility boiler burner: False
Industry boiler burner: False
Industrial Furnace: False
Smelter defferal: False
Universal waste - batteries - generate: False
Universal waste - thermostats - generate: False
Universal waste - mercury - generate: False
Universal waste - lamps - generate: False
Universal waste - batteries - accumulate: False
Universal waste - thermostats - accumulate: False
Universal waste - mercury - accumulate: False
Universal waste - lamps - accumulate: False
Destination Facility for Universal Waste: False
Off-specification used oil burner - utility boiler: False
Off-specification used oil burner - industrial boiler: False
Off-specification used oil burner - industrial furnace: False
EPA ID: WA8680030931
Facility Address 2: Not reported
TAX REG NBR: 601678589
NAICS CD: 54138
BUSINESS TYPE: Not reported
MAIL NAME: US EPA
MAIL ADDR LINE1: 7411 Beach Dr E
MAIL CITY,ST,ZIP: PORT ORCHARD, WA 98366-8204
MAIL COUNTRY: UNITED STATES
LEGAL ORG NAME: US EPA
LEGAL ORG TYPE: Federal
LEGAL ADDR LINE1: 1200 6TH AVE ECL 116
LEGAL CITY,ST,ZIP: SEATTLE, WA 98101
LEGAL COUNTRY: UNITED STATES
LEGAL PHONE NBR: (206)553-1530
LEGAL EFFECTIVE DATE: 5/21/1996
LAND ORG NAME: US EPA
LAND ORG TYPE: Federal
LAND PERSON NAME: Not reported
LAND ADDR LINE1: 1200 6TH AVE
LAND CITY,ST,ZIP: SEATTLE, WA 98101
LAND COUNTRY: UNITED STATES
LAND PHONE NBR: (206)553-1530
OPERATOR ORG NAME: US EPA
OPERATOR ORG TYPE: Federal
OPERATOR ADDR LINE1: 1200 6TH AVE
OPERATOR CITY,ST,ZIP: SEATTLE, WA 98101
OPERATOR COUNTRY: UNITED STATES
OPERATOR PHONE NBR: (206)553-1530
OPERATOR EFFECTIVE DATE: 05/21/96
SITE CONTACT NAME: Tony Morris
SITE CONTACT ADDR LINE1: 7411 Beach Dr E
SITE CONTACT ZIP: PORT ORCHARD, WA 98366-8204
SITE CONTACT COUNTRY: UNITED STATES

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US EPA MANCHESTER LABORATORY (Continued)

1000885186

SITE CONTACT PHONE NBR: (360)871-8714
SITE CONTACT EMAIL: morris.tony@epa.gov
FORM CONTACT NAME: Tony Morris
FORM CONTACT ADDR LINE1: 7411 Beach Dr E
FORM CONTACT CITY,ST,ZIP: PORT ORCHARD, WA 98366-8204
FORM CONTACT COUNTRY: UNITED STATES
FORM CONTACT PHONE NBR: (360)871-8714
FORM CONTACT EMAIL: morris.tony@epa.gov
GEN STATUS CD: MQG
MONTHLY GENERATION: True
BATCH GENERATION: False
ONE TIME GENERATION: False
TRANSPORTS OWN WASTE: False
TRANSPORTS OTHRS WASTE: False
RECYCLER ONSITE: False
TRANSFER FACILITY: False
OTHER EXEMPTION: Not reported
UW BATTERY GEN: False
USED OIL TRANSPORTER: False
USED OIL TRANSFER FACILITY: False
USED OIL PROCESSOR: False
USED OIL REREFINER: False
USED OIL FUEL MRKTR DIRECTS SHPMNTS: False
USED OIL FUEL MRKTR MEETS SPECS: False

Facility Site ID Number: 2608
SWC Desc: WT02 WP02WL02
FWC Desc: D001 - D011, F002 - F005D001-D043 F001-F003 F005
Form Comm: Not reported
Data Year: Not reported
Permit by Rule: Yes
Treatment by Generator: No
Mixed radioactive waste: No
Importer of hazardous waste: No
Immediate recycler: No
Treatment/Storage/Disposal/Recycling Facility: No
Generator of dangerous fuel waste: No
Generator marketing to burner: No
"Other marketers (i.e., blender, distributor, etc.)": No
Utility boiler burner: No
Industry boiler burner: No
Industrial Furnace: No
Smelter defferal: No
Universal waste - batteries - generate: No
Universal waste - thermostats - generate: No
Universal waste - mercury - generate: No
Universal waste - lamps - generate: No
Universal waste - batteries - accumulate: No
Universal waste - thermostats - accumulate: No
Universal waste - mercury - accumulate: No
Universal waste - lamps - accumulate: No
Destination Facility for Universal Waste: No
Off-specification used oil burner - utility boiler: No
Off-specification used oil burner - industrial boiler: No
Off-specification used oil burner - industrial furnace: No
EPA ID: WA8680030931
Facility Address 2: Not reported

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US EPA MANCHESTER LABORATORY (Continued)

1000885186

TAX REG NBR: 601678589
NAICS CD: 54138
BUSINESS TYPE: Not reported
MAIL NAME: US EPA
MAIL ADDR LINE1: 7411 Beach Dr E
MAIL CITY,ST,ZIP: PORT ORCHARD, WA 98366-8204
MAIL COUNTRY: UNITED STATES
LEGAL ORG NAME: US EPA
LEGAL ORG TYPE: Federal
LEGAL ADDR LINE1: 1200 6TH AVE ECL 116
LEGAL CITY,ST,ZIP: SEATTLE, WA 98101
LEGAL COUNTRY: UNITED STATES
LEGAL PHONE NBR: (206)553-1530
LEGAL EFFECTIVE DATE: 5/21/1996
LAND ORG NAME: US EPA
LAND ORG TYPE: Federal
LAND PERSON NAME: Not reported
LAND ADDR LINE1: 1200 6TH AVE
LAND CITY,ST,ZIP: SEATTLE, WA 98101
LAND COUNTRY: UNITED STATES
LAND PHONE NBR: (206)553-1530
OPERATOR ORG NAME: US EPA
OPERATOR ORG TYPE: Federal
OPERATOR ADDR LINE1: 1200 6TH AVE
OPERATOR CITY,ST,ZIP: SEATTLE, WA 98101
OPERATOR COUNTRY: UNITED STATES
OPERATOR PHONE NBR: (206)553-1530
OPERATOR EFFECTIVE DATE: 5/21/1996
SITE CONTACT NAME: Tony Morris
SITE CONTACT ADDR LINE1: 7411 Beach Dr E
SITE CONTACT ZIP: PORT ORCHARD, WA 98366-8204
SITE CONTACT COUNTRY: UNITED STATES
SITE CONTACT PHONE NBR: (360)871-8714
SITE CONTACT EMAIL: morris.tony@epa.gov
FORM CONTACT NAME: Tony Morris
FORM CONTACT ADDR LINE1: 7411 Beach Dr E
FORM CONTACT CITY,ST,ZIP: PORT ORCHARD, WA 98366-8204
FORM CONTACT COUNTRY: UNITED STATES
FORM CONTACT PHONE NBR: (360)871-8714
FORM CONTACT EMAIL: morris.tony@epa.gov
GEN STATUS CD: MQG
MONTHLY GENERATION: Yes
BATCH GENERATION: No
ONE TIME GENERATION: No
TRANSPORTS OWN WASTE: No
TRANSPORTS OTHRS WASTE: No
RECYCLER ONSITE: No
TRANSFER FACILITY: No
OTHER EXEMPTION: Not reported
UW BATTERY GEN: No
USED OIL TRANSPORTER: No
USED OIL TRANSFER FACILITY: No
USED OIL PROCESSOR: No
USED OIL REREFINER: No
USED OIL FUEL MRKTR DIRECTS SHPMNTS: No
USED OIL FUEL MRKTR MEETS SPECS: No

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US EPA MANCHESTER LABORATORY (Continued)

1000885186

Facility Site ID Number: 2608
SWC Desc: Not reported
FWC Desc: Not reported
Form Comm: Not reported
Data Year: 2009
Permit by Rule: True
Treatment by Generator: False
Mixed radioactive waste: False
Importer of hazardous waste: False
Immediate recycler: False
Treatment/Storage/Disposal/Recycling Facility: False
Generator of dangerous fuel waste: False
Generator marketing to burner: False
"Other marketers (i.e., blender, distributor, etc.)": False
Utility boiler burner: False
Industry boiler burner: False
Industrial Furnace: False
Smelter deferral: False
Universal waste - batteries - generate: False
Universal waste - thermostats - generate: False
Universal waste - mercury - generate: False
Universal waste - lamps - generate: False
Universal waste - batteries - accumulate: False
Universal waste - thermostats - accumulate: False
Universal waste - mercury - accumulate: False
Universal waste - lamps - accumulate: False
Destination Facility for Universal Waste: False
Off-specification used oil burner - utility boiler: False
Off-specification used oil burner - industrial boiler: False
Off-specification used oil burner - industrial furnace: False
EPA ID: WA8680030931
Facility Address 2: Not reported
TAX REG NBR: 601678589
NAICS CD: 541380
BUSINESS TYPE: Not reported
MAIL NAME: US EPA
MAIL ADDR LINE1: 7411 Beach Dr E
MAIL CITY,ST,ZIP: PORT ORCHARD, WA 98366-8204
MAIL COUNTRY: UNITED STATES
LEGAL ORG NAME: US EPA
LEGAL ORG TYPE: Federal
LEGAL ADDR LINE1: 1200 6TH AVE ECL 116
LEGAL CITY,ST,ZIP: SEATTLE, WA 98101
LEGAL COUNTRY: UNITED STATES
LEGAL PHONE NBR: (206)553-1530
LEGAL EFFECTIVE DATE: 12/31/1973
LAND ORG NAME: US EPA
LAND ORG TYPE: Federal
LAND PERSON NAME: Not reported
LAND ADDR LINE1: 1200 6TH AVE
LAND CITY,ST,ZIP: SEATTLE, WA 98101
LAND COUNTRY: UNITED STATES
LAND PHONE NBR: (206)553-1530
OPERATOR ORG NAME: US EPA
OPERATOR ORG TYPE: Federal
OPERATOR ADDR LINE1: 1200 6TH AVE
OPERATOR CITY,ST,ZIP: SEATTLE, WA 98101

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US EPA MANCHESTER LABORATORY (Continued)

1000885186

OPERATOR COUNTRY: UNITED STATES
OPERATOR PHONE NBR: (206)553-1530
OPERATOR EFFECTIVE DATE: 5/21/1996
SITE CONTACT NAME: Tony Morris
SITE CONTACT ADDR LINE1: 7411 Beach Dr E
SITE CONTACT ZIP: PORT ORCHARD, WA 98366-8204
SITE CONTACT COUNTRY: UNITED STATES
SITE CONTACT PHONE NBR: (360)871-8714
SITE CONTACT EMAIL: morris.tony@epa.gov
FORM CONTACT NAME: Tony Morris
FORM CONTACT ADDR LINE1: 7411 Beach Dr E
FORM CONTACT CITY,ST,ZIP: PORT ORCHARD, WA 98366-8204
FORM CONTACT COUNTRY: UNITED STATES
FORM CONTACT PHONE NBR: (360)871-8714
FORM CONTACT EMAIL: morris.tony@epa.gov
GEN STATUS CD: SQG
MONTHLY GENERATION: True
BATCH GENERATION: False
ONE TIME GENERATION: False
TRANSPORTS OWN WASTE: False
TRANSPORTS OTHRS WASTE: False
RECYCLER ONSITE: False
TRANSFER FACILITY: False
OTHER EXEMPTION: Not reported
UW BATTERY GEN: False
USED OIL TRANSPORTER: False
USED OIL TRANSFER FACILITY: False
USED OIL PROCESSOR: False
USED OIL REREFINER: False
USED OIL FUEL MRKTR DIRECTS SHPMNTS: False
USED OIL FUEL MRKTR MEETS SPECS: False

Facility Site ID Number: 2608
SWC Desc: WT01 WT02 WP01 WP02
FWC Desc: D001-D011, F002-F005, P-List, U-List
Form Comm: Not reported
Data Year: 2008
Permit by Rule: True
Treatment by Generator: False
Mixed radioactive waste: False
Importer of hazardous waste: False
Immediate recycler: False
Treatment/Storage/Disposal/Recycling Facility: False
Generator of dangerous fuel waste: False
Generator marketing to burner: False
"Other marketers (i.e., blender, distributor, etc.)": False
Utility boiler burner: False
Industry boiler burner: False
Industrial Furnace: False
Smelter defferal: False
Universal waste - batteries - generate: False
Universal waste - thermostats - generate: False
Universal waste - mercury - generate: False
Universal waste - lamps - generate: False
Universal waste - batteries - accumulate: False
Universal waste - thermostats - accumulate: False
Universal waste - mercury - accumulate: False

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Database(s)

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US EPA MANCHESTER LABORATORY (Continued)

1000885186

Universal waste - lamps - accumulate: False
Destination Facility for Universal Waste: False
Off-specification used oil burner - utility boiler: False
Off-specification used oil burner - industrial boiler: False
Off-specification used oil burner - industrial furnace: False
EPA ID: WA8680030931
Facility Address 2: Not reported
TAX REG NBR: 601678589
NAICS CD: 54138
BUSINESS TYPE: Not reported
MAIL NAME: US EPA
MAIL ADDR LINE1: 7411 Beach Dr E
MAIL CITY,ST,ZIP: PORT ORCHARD, WA 98366-8204
MAIL COUNTRY: UNITED STATES
LEGAL ORG NAME: US EPA
LEGAL ORG TYPE: Federal
LEGAL ADDR LINE1: 1200 6TH AVE ECL 116
LEGAL CITY,ST,ZIP: SEATTLE, WA 98101
LEGAL COUNTRY: UNITED STATES
LEGAL PHONE NBR: (206)553-1530
LEGAL EFFECTIVE DATE: 12/31/1973
LAND ORG NAME: US EPA
LAND ORG TYPE: Federal
LAND PERSON NAME: Not reported
LAND ADDR LINE1: 1200 6TH AVE
LAND CITY,ST,ZIP: SEATTLE, WA 98101
LAND COUNTRY: UNITED STATES
LAND PHONE NBR: (206)553-1530
OPERATOR ORG NAME: US EPA
OPERATOR ORG TYPE: Federal
OPERATOR ADDR LINE1: 1200 6TH AVE
OPERATOR CITY,ST,ZIP: SEATTLE, WA 98101
OPERATOR COUNTRY: UNITED STATES
OPERATOR PHONE NBR: (206)553-1530
OPERATOR EFFECTIVE DATE: 5/21/1996
SITE CONTACT NAME: Tony Morris
SITE CONTACT ADDR LINE1: 7411 Beach Dr E
SITE CONTACT ZIP: PORT ORCHARD, WA 98366-8204
SITE CONTACT COUNTRY: UNITED STATES
SITE CONTACT PHONE NBR: (360)871-8714
SITE CONTACT EMAIL: morris.tony@epa.gov
FORM CONTACT NAME: Tony Morris
FORM CONTACT ADDR LINE1: 7411 Beach Dr E
FORM CONTACT CITY,ST,ZIP: PORT ORCHARD, WA 98366-8204
FORM CONTACT COUNTRY: UNITED STATES
FORM CONTACT PHONE NBR: (360)871-8714
FORM CONTACT EMAIL: morris.tony@epa.gov
GEN STATUS CD: MQG
MONTHLY GENERATION: True
BATCH GENERATION: False
ONE TIME GENERATION: False
TRANSPORTS OWN WASTE: False
TRANSPORTS OTHRS WASTE: False
RECYCLER ONSITE: False
TRANSFER FACILITY: False
OTHER EXEMPTION: Not reported
UW BATTERY GEN: False

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

US EPA MANCHESTER LABORATORY (Continued)

1000885186

USED OIL TRANSPORTER: False
USED OIL TRANSFER FACILITY: False
USED OIL PROCESSOR: False
USED OIL REREFINER: False
USED OIL FUEL MRKTR DIRECTS SHPMNTS: False
USED OIL FUEL MRKTR MEETS SPECS: False

Facility Site ID Number: 2608
SWC Desc: WT02 WP02WL02
FWC Desc: D001 - D011, F002 - F005D001-D043 F001-F003 F005
Form Comm: Not reported
Data Year: Not reported
Permit by Rule: TRUE
Treatment by Generator: FALSE
Mixed radioactive waste: FALSE
Importer of hazardous waste: FALSE
Immediate recycler: FALSE
Treatment/Storage/Disposal/Recycling Facility: FALSE
Generator of dangerous fuel waste: FALSE
Generator marketing to burner: FALSE
"Other marketers (i.e., blender, distributor, etc.)": FALSE
Utility boiler burner: FALSE
Industry boiler burner: FALSE
Industrial Furnace: FALSE
Smelter deferral: FALSE
Universal waste - batteries - generate: FALSE
Universal waste - thermostats - generate: FALSE
Universal waste - mercury - generate: FALSE
Universal waste - lamps - generate: FALSE
Universal waste - batteries - accumulate: FALSE
Universal waste - thermostats - accumulate: FALSE
Universal waste - mercury - accumulate: FALSE
Universal waste - lamps - accumulate: FALSE
Destination Facility for Universal Waste: FALSE
Off-specification used oil burner - utility boiler: FALSE
Off-specification used oil burner - industrial boiler: FALSE
Off-specification used oil burner - industrial furnace: FALSE
EPA ID: WA8680030931
Facility Address 2: Not reported
TAX REG NBR: 601678589
NAICS CD: 54138
BUSINESS TYPE: Not reported
MAIL NAME: US EPA
MAIL ADDR LINE1: 7411 Beach Dr E
MAIL CITY,ST,ZIP: PORT ORCHARD, WA 98366-8204
MAIL COUNTRY: UNITED STATES
LEGAL ORG NAME: US EPA
LEGAL ORG TYPE: Federal
LEGAL ADDR LINE1: 1200 6TH AVE ECL 116
LEGAL CITY,ST,ZIP: SEATTLE, WA 98101
LEGAL COUNTRY: UNITED STATES
LEGAL PHONE NBR: (206)553-1530
LEGAL EFFECTIVE DATE: 5/21/1996
LAND ORG NAME: US EPA
LAND ORG TYPE: Federal
LAND PERSON NAME: Not reported
LAND ADDR LINE1: 1200 6TH AVE

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US EPA MANCHESTER LABORATORY (Continued)

1000885186

LAND CITY,ST,ZIP: SEATTLE, WA 98101
LAND COUNTRY: UNITED STATES
LAND PHONE NBR: (206)553-1530
OPERATOR ORG NAME: US EPA
OPERATOR ORG TYPE: Federal
OPERATOR ADDR LINE1: 1200 6TH AVE
OPERATOR CITY,ST,ZIP: SEATTLE, WA 98101
OPERATOR COUNTRY: UNITED STATES
OPERATOR PHONE NBR: (206)553-1530
OPERATOR EFFECTIVE DATE: 5/21/1996
SITE CONTACT NAME: Tony Morris
SITE CONTACT ADDR LINE1: 7411 Beach Dr E
SITE CONTACT ZIP: PORT ORCHARD, WA 98366-8204
SITE CONTACT COUNTRY: UNITED STATES
SITE CONTACT PHONE NBR: (360)871-8714
SITE CONTACT EMAIL: morris.tony@epa.gov
FORM CONTACT NAME: Tony Morris
FORM CONTACT ADDR LINE1: 7411 Beach Dr E
FORM CONTACT CITY,ST,ZIP: PORT ORCHARD, WA 98366-8204
FORM CONTACT COUNTRY: UNITED STATES
FORM CONTACT PHONE NBR: (360)871-8714
FORM CONTACT EMAIL: morris.tony@epa.gov
GEN STATUS CD: MQG
MONTHLY GENERATION: TRUE
BATCH GENERATION: FALSE
ONE TIME GENERATION: FALSE
TRANSPORTS OWN WASTE: FALSE
TRANSPORTS OTHRS WASTE: FALSE
RECYCLER ONSITE: FALSE
TRANSFER FACILITY: FALSE
OTHER EXEMPTION: Not reported
UW BATTERY GEN: FALSE
USED OIL TRANSPORTER: FALSE
USED OIL TRANSFER FACILITY: FALSE
USED OIL PROCESSOR: FALSE
USED OIL REREFINER: FALSE
USED OIL FUEL MRKTR DIRECTS SHPMNTS: FALSE
USED OIL FUEL MRKTR MEETS SPECS: FALSE

[Click this hyperlink](#) while viewing on your computer to access additional WA MANIFEST: detail in the EDR Site Report.

NY MANIFEST:

EPA ID: WA8680030931
Country: USA
Mailing Name: USEPA
Mailing Contact: USEPA
Mailing Address: PO BOX 549
Mailing Address 2: Not reported
Mailing City: MANCHESTER
Mailing State: WA
Mailing Zip: 98353
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 206-442-0370

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US EPA MANCHESTER LABORATORY (Continued)

1000885186

Document ID: NYA4064163
Manifest Status: Completed copy
Trans1 State ID: (716)877-
Trans2 State ID: Not reported
Generator Ship Date: 860916
Trans1 Recv Date: 860916
Trans2 Recv Date: Not reported
TSD Site Recv Date: 860926
Part A Recv Date: 860925
Part B Recv Date: 861002
Generator EPA ID: WA8680030931
Trans1 EPA ID: NYD980769947
Trans2 EPA ID: Not reported
TSD ID: NYD000632372
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00001
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Waste Code: Not reported
Quantity: 00003
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 86
Manifest Tracking Num: Not reported
Import Ind: Not reported
Export Ind: Not reported
Discr Quantity Ind: Not reported
Discr Type Ind: Not reported
Discr Residue Ind: Not reported
Discr Partial Reject Ind: Not reported
Discr Full Reject Ind: Not reported
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: Not reported

HAZNET:

Gepaid: WA8680030931
Contact: US EPA REGION 10
Telephone: 2068718704
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 7411 BEACH DR E
Mailing City,St,Zip: PORT ORCHARD, WA 983668204
Gen County: 99
TSD EPA ID: CAD050806850
TSD County: Los Angeles
Waste Category: Unspecified organic liquid mixture
Disposal Method: Recycler
Tons: .4925
Facility County: 99

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Database(s)

EDR ID Number
EPA ID Number

US EPA MANCHESTER LABORATORY (Continued)

1000885186

Gepaid: WA8680030931
Contact: US EPA REGION 10
Telephone: 2068718704
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 7411 BEACH DR E
Mailing City,St,Zip: PORT ORCHARD, WA 983668204
Gen County: 99
TSD EPA ID: CAD050806850
TSD County: Los Angeles
Waste Category: Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)
Disposal Method: Recycler
Tons: .1940
Facility County: 99

Gepaid: WA8680030931
Contact: US EPA REGION 10
Telephone: 2068718704
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 7411 BEACH DR E
Mailing City,St,Zip: PORT ORCHARD, WA 983668204
Gen County: 99
TSD EPA ID: CAD050806850
TSD County: Los Angeles
Waste Category: Other inorganic solid waste
Disposal Method: Recycler
Tons: .0090
Facility County: 99

Gepaid: WA8680030931
Contact: US EPA REGION 10
Telephone: 2068718704
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 7411 BEACH DR E
Mailing City,St,Zip: PORT ORCHARD, WA 983668204
Gen County: 99
TSD EPA ID: CAD050806850
TSD County: Los Angeles
Waste Category: Unspecified organic liquid mixture
Disposal Method: Transfer Station
Tons: .2620
Facility County: 99

Gepaid: WA8680030931
Contact: US EPA REGION 10
Telephone: 2068718704
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 7411 BEACH DR E
Mailing City,St,Zip: PORT ORCHARD, WA 983668204
Gen County: 99
TSD EPA ID: CAL0000435
TSD County: 0
Waste Category: Other inorganic solid waste

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US EPA MANCHESTER LABORATORY (Continued)

1000885186

Disposal Method: Recycler
Tons: .0225
Facility County: 99

[Click this hyperlink](#) while viewing on your computer to access 28 additional CA_HAZNET: record(s) in the EDR Site Report.

B6
SSE
1/4-1/2
0.445 mi.
2352 ft.

WA ECY MANCHESTER LAB
7411 BEACH DR E ECY LAB
PORT ORCHARD, WA 98366

Site 2 of 2 in cluster B

RCRA-CESQG 1000197528
CSCSL WAD988471892
HSL
ALLSITES
UST
MANIFEST

Relative:
Lower

RCRA-CESQG:

Date form received by agency: 02/12/2008

Actual:
19 ft.

Facility name: WA ECY MANCHESTER LAB
Facility address: 7411 BEACH DR E ECY LAB
PORT ORCHARD, WA 98366

EPA ID: WAD988471892
Mailing address: 7411 BEACH DR E
PORT ORCHARD, WA 98366-8204

Contact: SUSAN CARRELL
Contact address: 7411 BEACH DR E
PORT ORCHARD, WA 98366-8204

Contact country: US
Contact telephone: (360)871-8806
Contact email: Not reported

EPA Region: 10
Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: WA ECY
Owner/operator address: 7411 BEACH DR E
PORT ORCHARD, WA 98366

Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: State

Owner/Operator Type: Operator
Owner/Op start date: 12/31/2007
Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WA ECY MANCHESTER LAB (Continued)

1000197528

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Historical Generators:

Date form received by agency: 12/31/2007
Facility name: WA ECY MANCHESTER LAB
Classification: Not a generator, verified

Date form received by agency: 12/31/2005
Facility name: WA ECY MANCHESTER LAB
Classification: Not a generator, verified

Violation Status: No violations found

CSCSL:

Facility ID: 183
Facility Type: Program Plan
Region: Northwest
Ecology Status Code: 3
Entered Date: 3/31/1994
Updated Date: 3/4/2009
Brownfield Status: 0
Rank Status: 0
PSI Status: 1
Clean Method: Not reported
Drinking Water Type: Not reported
Cleanup Standard: Not reported
Acres Remediated: Not reported
Latitude: 47.56522
Longitude: -122.55006
Lat/Long: 47.56522 / -122.55006
Lat/Long (dms): 47 33 54.792 / -122 33 0.216
Media Status Desc: 1/1/0001
Affected Media: Soil
Affected Media Status: Confirmed
Pesticides: Not reported
Petroleum Products: Confirmed
Phenolic Compounds: Not reported
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Confirmed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WA ECY MANCHESTER LAB (Continued)

1000197528

Responsible Unit: HEADQUARTERS
Arsenic Code: Not reported
MTBE Code: Not reported
UXO Code: Not reported
Dioxin: Confirmed
Non-Halogenated Solvents: Not reported
Base/Neutral/Acid Organics: Not reported
Halogenated Organic Compounds: Not reported
EPA Priority Pollutants - Metals and Cyanide: Confirmed
Metals - Other non-priority pollutant medals: Not reported
Polychlorinated biPhenyls (PCBs): Confirmed
Polynuclear Aromatic Hydrocarbons (PAH): Confirmed
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported
Tibutyl Tin Contaminant Group: Not reported
Bioassay/Benthic Failures Contaminant Group: Not reported
Wood Debris Contaminant Group: Not reported
Other Deleterious Substance Group: Not reported
Ecology Site Status (MTCA cleanup process): RA in Progress

Facility ID: 183
Facility Type: Program Plan
Region: Northwest
Ecology Status Code: 3
Entered Date: 3/31/1994
Updated Date: 3/4/2009
Brownfield Status: 0
Rank Status: 0
PSI Status: 1
Clean Method: Not reported
Drinking Water Type: Not reported
Cleanup Standard: Not reported
Acres Remediated: Not reported
Latitude: 47.56522
Longitude: -122.55006
Lat/Long: 47.56522 / -122.55006
Lat/Long (dms): 47 33 54.792 / -122 33 0.216
Media Status Desc: 1/1/0001
Affected Media: Sediment
Affected Media Status: Confirmed
Pesticides: Not reported
Petroleum Products: Not reported
Phenolic Compounds: Confirmed
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Responsible Unit: HEADQUARTERS
Arsenic Code: Not reported
MTBE Code: Not reported
UXO Code: Not reported
Dioxin: Confirmed
Non-Halogenated Solvents: Not reported
Base/Neutral/Acid Organics: Not reported
Halogenated Organic Compounds: Not reported
EPA Priority Pollutants - Metals and Cyanide: Confirmed
Metals - Other non-priority pollutant medals: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WA ECY MANCHESTER LAB (Continued)

1000197528

Polychlorinated biPhenyls (PCBs): Confirmed
Polynuclear Aromatic Hydrocarbons (PAH): Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported
Tibutyl Tin Contaminant Group: Not reported
Bioassay/Benthic Failures Contaminant Group: Not reported
Wood Debris Contaminant Group: Not reported
Other Deleterious Substance Group: Not reported
Ecology Site Status (MTCA cleanup process): RA in Progress

Facility ID: 183
Facility Type: Program Plan
Region: Northwest
Ecology Status Code: 3
Entered Date: 3/31/1994
Updated Date: 3/4/2009
Brownfield Status: 0
Rank Status: 0
PSI Status: 1
Clean Method: Not reported
Drinking Water Type: Not reported
Cleanup Standard: Not reported
Acres Remediated: Not reported
Latitude: 47.56522
Longitude: -122.55006
Lat/Long: 47.56522 / -122.55006
Lat/Long (dms): 47 33 54.792 / -122 33 0.216
Media Status Desc: 1/1/0001
Affected Media: Groundwater
Affected Media Status: Confirmed
Pesticides: Not reported
Petroleum Products: Confirmed
Phenolic Compounds: Not reported
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Responsible Unit: HEADQUARTERS
Arsenic Code: Not reported
MTBE Code: Not reported
UXO Code: Not reported
Dioxin: Not reported
Non-Halogenated Solvents: Not reported
Base/Neutral/Acid Organics: Not reported
Halogenated Organic Compounds: Not reported
EPA Priority Pollutants - Metals and Cyanide: Confirmed
Metals - Other non-priority pollutant medals: Not reported
Polychlorinated biPhenyls (PCBs): Confirmed
Polynuclear Aromatic Hydrocarbons (PAH): Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported
Tibutyl Tin Contaminant Group: Not reported
Bioassay/Benthic Failures Contaminant Group: Not reported
Wood Debris Contaminant Group: Not reported
Other Deleterious Substance Group: Not reported
Ecology Site Status (MTCA cleanup process): RA in Progress

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WA ECY MANCHESTER LAB (Continued)

1000197528

HSL:

edr_fstat: WA
edr_fzip: Not reported
edr_fcnty: KITSAP
edr_zip: Not reported
Facility Type: Hazardous Sites List
Facility Status: RA in progress
FSID Number: 183
Rank: 0
Region: HQ

ALLSITES:

Facility Id: 183
Latitude: 47.565219999999997
Longitude: -122.55006
Geographic location identifier (alias facid): 183
Facility Name: WA ECY Manchester Lab
Latitude Decimal Degrees: 47.565219999999997
Longitude Decimal Degrees: -122.55006
Coordinate Point Areal Extent Code: 99
Horizontal Accuracy Code: 4
Coordinate Point Geographic Position Code: 99
Location Verified Code: Y

Geographic Location Identifier (Alias Facid): 183
Interaction (Aka Env Int) Type Code: SCS
Interaction (Aka Env Int) Description: State Cleanup Site
Interaction Status: I
Federal Program Identifier: Not reported
Interaction Start Date: 1/1/1988
Interaction End Date: 3/13/1996

Geographic Location Identifier (Alias Facid): 183
Interaction (Aka Env Int) Type Code: FCS
Interaction (Aka Env Int) Description: Federal (Superfund) Cleanup St
Interaction Status: A
Federal Program Identifier: WAD988471892
Interaction Start Date: 3/13/1996
Interaction End Date: Not reported

Geographic Location Identifier (Alias Facid): 183
Interaction (Aka Env Int) Type Code: HWG
Interaction (Aka Env Int) Description: Hazardous Waste Generator
Interaction Status: A
Federal Program Identifier: WAD988471892
Interaction Start Date: 1/6/2005
Interaction End Date: Not reported

Geographic Location Identifier (Alias Facid): 183
Interaction (Aka Env Int) Type Code: HWG
Interaction (Aka Env Int) Description: Hazardous Waste Generator
Interaction Status: I
Federal Program Identifier: WAD988471892
Interaction Start Date: 3/2/1990
Interaction End Date: 12/6/1990

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WA ECY MANCHESTER LAB (Continued)

1000197528

Geographic Location Identifier (Alias Facid): 183
Interaction (Aka Env Int) Type Code: UST
Interaction (Aka Env Int) Description: Underground Storage Tank
Interaction Status: I
Federal Program Identifier: 97423
Interaction Start Date: 3/19/1999
Interaction End Date: 5/3/2000

Geographic Location Identifier (Alias Facid): 183
Interaction (Aka Env Int) Type Code: SEDIMENT
Interaction (Aka Env Int) Description: Sediments
Interaction Status: A
Federal Program Identifier: Not reported
Interaction Start Date: 1/1/1900
Interaction End Date: Not reported

UST:

Facility ID: 183
Site ID: 97423
Lat Deg: 47
Lat Min: 33
Lat Sec: 54.7919999999874
Long Deg: -122
Long Min: 33
Long Sec: 0.21600000000717
UBI: Not reported
Phone Number: 2064420372

Tank ID: 22626
Tank Name: TANK #1*
Install Date: 12/31/1964
Capacity: Not reported
Tank Upgrade Date: 1/1/0001
TankSystem Status: Removed
TankSystem Status Change Date: 8/26/1996
Tank Status: Removed
Tank Permit Expiration Date: 1/1/0001
Tank Closure Date: 1/1/0001
Tank Pumping System: Not reported
Tank Spill Prevention: Not reported
Tank Overfill Prevention: Not reported
Tank Material: Steel
Tank Construction: Not reported
Tank Tightness Test: Not reported
Tank Corrosion Protection: Not reported
Pipe Material: Steel
Pipe Construction: Not reported
Pipe Primary Release Detection: Not reported
Pipe Second Release Detection: Not reported
Pipe Corrosion Protection: Not reported
Tank Primary Release Detection: Not reported
Tank Second Release Detection: Not reported
Pipe Tightness Test: Not reported
Tank Actual Status Date: 8/6/1996
Tag Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WA ECY MANCHESTER LAB (Continued)

1000197528

WA MANIFEST:

Facility Site ID Number: 183
SWC Desc: wlo2
FWC Desc: doo1 doo2
Form Comm: Not reported
Data Year: Not reported
Permit by Rule: False
Treatment by Generator: False
Mixed radioactive waste: False
Importer of hazardous waste: False
Immediate recycler: False
Treatment/Storage/Disposal/Recycling Facility: False
Generator of dangerous fuel waste: False
Generator marketing to burner: False
"Other marketers (i.e., blender, distributor, etc.)": False
Utility boiler burner: False
Industry boiler burner: False
Industrial Furnace: False
Smelter defferal: False
Universal waste - batteries - generate: False
Universal waste - thermostats - generate: False
Universal waste - mercury - generate: False
Universal waste - lamps - generate: False
Universal waste - batteries - accumulate: False
Universal waste - thermostats - accumulate: False
Universal waste - mercury - accumulate: False
Universal waste - lamps - accumulate: False
Destination Facility for Universal Waste: False
Off-specification used oil burner - utility boiler: False
Off-specification used oil burner - industrial boiler: False
Off-specification used oil burner - industrial furnace: False
EPA ID: WAD988471892
Facility Address 2: Not reported
TAX REG NBR: 600021881
NAICS CD: 562219
BUSINESS TYPE: Environmental Laboratory
MAIL NAME: WA ECY
MAIL ADDR LINE1: 7411 Beach Dr E
MAIL CITY,ST,ZIP: Port Orchard, WA 98366-8204
MAIL COUNTRY: UNITED STATES
LEGAL ORG NAME: EPA
LEGAL ORG TYPE: Federal
LEGAL ADDR LINE1: 7411 Beach Dr E
LEGAL CITY,ST,ZIP: Port Orchard, WA 98366-8204
LEGAL COUNTRY: UNITED STATES
LEGAL PHONE NBR: (360)871-8700
LEGAL EFFECTIVE DATE: 1/1/1979
LAND ORG NAME: EPA
LAND ORG TYPE: Federal
LAND PERSON NAME: Not reported
LAND ADDR LINE1: 7411 Beach Dr E
LAND CITY,ST,ZIP: Port Orchard, WA 98366-8204
LAND COUNTRY: UNITED STATES
LAND PHONE NBR: (360)871-8700
OPERATOR ORG NAME: WA ECY
OPERATOR ORG TYPE: State
OPERATOR ADDR LINE1: 7411 Beach Dr E

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WA ECY MANCHESTER LAB (Continued)

1000197528

OPERATOR CITY,ST,ZIP: Port Orchard, WA 98366-8204
OPERATOR COUNTRY: UNITED STATES
OPERATOR PHONE NBR: (360)871-8806
OPERATOR EFFECTIVE DATE: Not reported
SITE CONTACT NAME: Susan Carrell
SITE CONTACT ADDR LINE1: 7411 Beach Dr E
SITE CONTACT ZIP: Port Orchard, WA 98366-8204
SITE CONTACT COUNTRY: UNITED STATES
SITE CONTACT PHONE NBR: (360)871-8806
SITE CONTACT EMAIL: sdav461@ecy.wa.gov
FORM CONTACT NAME: Susan Carrell
FORM CONTACT ADDR LINE1: 7411 Beach Dr E
FORM CONTACT CITY,ST,ZIP: Port Orchard, WA 98366-8204
FORM CONTACT COUNTRY: UNITED STATES
FORM CONTACT PHONE NBR: (360)871-8806
FORM CONTACT EMAIL: sdav461@ecy.wa.gov
GEN STATUS CD: SQG
MONTHLY GENERATION: False
BATCH GENERATION: True
ONE TIME GENERATION: False
TRANSPORTS OWN WASTE: False
TRANSPORTS OTHRS WASTE: False
RECYCLER ONSITE: False
TRANSFER FACILITY: False
OTHER EXEMPTION: Not reported
UW BATTERY GEN: False
USED OIL TRANSPORTER: False
USED OIL TRANSFER FACILITY: False
USED OIL PROCESSOR: False
USED OIL REREFINER: False
USED OIL FUEL MRKTR DIRECTS SHPMNTS: False
USED OIL FUEL MRKTR MEETS SPECS: False

Facility Site ID Number: 183
SWC Desc: WT02
FWC Desc: D001 D002 F002 F003
Form Comm: Not reported
Data Year: 2009
Permit by Rule: False
Treatment by Generator: False
Mixed radioactive waste: False
Importer of hazardous waste: False
Immediate recycler: False
Treatment/Storage/Disposal/Recycling Facility: False
Generator of dangerous fuel waste: False
Generator marketing to burner: False
"Other marketers (i.e., blender, distributor, etc.)": False
Utility boiler burner: False
Industry boiler burner: False
Industrial Furnace: False
Smelter defferal: False
Universal waste - batteries - generate: False
Universal waste - thermostats - generate: False
Universal waste - mercury - generate: False
Universal waste - lamps - generate: False
Universal waste - batteries - accumulate: False
Universal waste - thermostats - accumulate: False

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WA ECY MANCHESTER LAB (Continued)

1000197528

Universal waste - mercury - accumulate: False
Universal waste - lamps - accumulate: False
Destination Facility for Universal Waste: False
Off-specification used oil burner - utility boiler: False
Off-specification used oil burner - industrial boiler: False
Off-specification used oil burner - industrial furnace: False
EPA ID: WAD988471892
Facility Address 2: Not reported
TAX REG NBR: 600021881
NAICS CD: 562219
BUSINESS TYPE: Environmental Laboratory
MAIL NAME: WA ECY
MAIL ADDR LINE1: 7411 Beach Dr E
MAIL CITY,ST,ZIP: Port Orchard, WA 98366-8204
MAIL COUNTRY: UNITED STATES
LEGAL ORG NAME: EPA
LEGAL ORG TYPE: Federal
LEGAL ADDR LINE1: 7411 Beach Dr E
LEGAL CITY,ST,ZIP: Port Orchard, WA 98366-8204
LEGAL COUNTRY: UNITED STATES
LEGAL PHONE NBR: (360)871-8700
LEGAL EFFECTIVE DATE: 1/1/1979
LAND ORG NAME: EPA
LAND ORG TYPE: Federal
LAND PERSON NAME: Not reported
LAND ADDR LINE1: 7411 Beach Dr E
LAND CITY,ST,ZIP: Port Orchard, WA 98366-8204
LAND COUNTRY: UNITED STATES
LAND PHONE NBR: (360)871-8700
OPERATOR ORG NAME: WA ECY
OPERATOR ORG TYPE: State
OPERATOR ADDR LINE1: 7411 Beach Dr E
OPERATOR CITY,ST,ZIP: Port Orchard, WA 98366-8204
OPERATOR COUNTRY: UNITED STATES
OPERATOR PHONE NBR: (360)871-8806
OPERATOR EFFECTIVE DATE: Not reported
SITE CONTACT NAME: Susan Carrell
SITE CONTACT ADDR LINE1: 7411 Beach Dr E
SITE CONTACT ZIP: Port Orchard, WA 98366-8204
SITE CONTACT COUNTRY: UNITED STATES
SITE CONTACT PHONE NBR: (360)871-8806
SITE CONTACT EMAIL: sdav461@ecy.wa.gov
FORM CONTACT NAME: Susan Carrell
FORM CONTACT ADDR LINE1: 7411 Beach Dr E
FORM CONTACT CITY,ST,ZIP: Port Orchard, WA 98366-8204
FORM CONTACT COUNTRY: UNITED STATES
FORM CONTACT PHONE NBR: (360)871-8806
FORM CONTACT EMAIL: sdav461@ecy.wa.gov
GEN STATUS CD: SQG
MONTHLY GENERATION: False
BATCH GENERATION: True
ONE TIME GENERATION: False
TRANSPORTS OWN WASTE: False
TRANSPORTS OTHRS WASTE: False
RECYCLER ONSITE: False
TRANSFER FACILITY: False
OTHER EXEMPTION: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WA ECY MANCHESTER LAB (Continued)

1000197528

UW BATTERY GEN: False
USED OIL TRANSPORTER: False
USED OIL TRANSFER FACILITY: False
USED OIL PROCESSOR: False
USED OIL REREFINER: False
USED OIL FUEL MRKTR DIRECTS SHPMNTS: False
USED OIL FUEL MRKTR MEETS SPECS: False

Facility Site ID Number: 183
SWC Desc: wlo2
FWC Desc: doo1 doo2
Form Comm: Not reported
Data Year: Not reported
Permit by Rule: No
Treatment by Generator: No
Mixed radioactive waste: No
Importer of hazardous waste: No
Immediate recycler: No
Treatment/Storage/Disposal/Recycling Facility: No
Generator of dangerous fuel waste: No
Generator marketing to burner: No
"Other marketers (i.e., blender, distributor, etc.)": No
Utility boiler burner: No
Industry boiler burner: No
Industrial Furnace: No
Smelter deferral: No
Universal waste - batteries - generate: No
Universal waste - thermostats - generate: No
Universal waste - mercury - generate: No
Universal waste - lamps - generate: No
Universal waste - batteries - accumulate: No
Universal waste - thermostats - accumulate: No
Universal waste - mercury - accumulate: No
Universal waste - lamps - accumulate: No
Destination Facility for Universal Waste: No
Off-specification used oil burner - utility boiler: No
Off-specification used oil burner - industrial boiler: No
Off-specification used oil burner - industrial furnace: No
EPA ID: WAD988471892
Facility Address 2: Not reported
TAX REG NBR: 600021881
NAICS CD: 562219
BUSINESS TYPE: Environmental Laboratory
MAIL NAME: WA ECY
MAIL ADDR LINE1: 7411 Beach Dr E
MAIL CITY,ST,ZIP: Port Orchard, WA 98366-8204
MAIL COUNTRY: UNITED STATES
LEGAL ORG NAME: EPA
LEGAL ORG TYPE: Federal
LEGAL ADDR LINE1: 7411 Beach Dr E
LEGAL CITY,ST,ZIP: Port Orchard, WA 98366-8204
LEGAL COUNTRY: UNITED STATES
LEGAL PHONE NBR: (360)871-8700
LEGAL EFFECTIVE DATE: 1/1/1979
LAND ORG NAME: EPA
LAND ORG TYPE: Federal
LAND PERSON NAME: Not reported

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WA ECY MANCHESTER LAB (Continued)

1000197528

LAND ADDR LINE1: 7411 Beach Dr E
LAND CITY,ST,ZIP: Port Orchard, WA 98366-8204
LAND COUNTRY: UNITED STATES
LAND PHONE NBR: (360)871-8700
OPERATOR ORG NAME: WA ECY
OPERATOR ORG TYPE: State
OPERATOR ADDR LINE1: 7411 Beach Dr E
OPERATOR CITY,ST,ZIP: Port Orchard, WA 98366-8204
OPERATOR COUNTRY: UNITED STATES
OPERATOR PHONE NBR: (360)871-8800
OPERATOR EFFECTIVE DATE: Not reported
SITE CONTACT NAME: Susan Davis
SITE CONTACT ADDR LINE1: 7411 Beach Dr E
SITE CONTACT ZIP: Port Orchard, WA 98366-8204
SITE CONTACT COUNTRY: UNITED STATES
SITE CONTACT PHONE NBR: (360)871-8806
SITE CONTACT EMAIL: sdav461@ecy.wa.gov
FORM CONTACT NAME: Susan Davis
FORM CONTACT ADDR LINE1: 7411 Beach Dr E
FORM CONTACT CITY,ST,ZIP: Port Orchard, WA 98366-8204
FORM CONTACT COUNTRY: UNITED STATES
FORM CONTACT PHONE NBR: (360)871-8806
FORM CONTACT EMAIL: sdav461@ecy.wa.gov
GEN STATUS CD: SQG
MONTHLY GENERATION: No
BATCH GENERATION: Yes
ONE TIME GENERATION: No
TRANSPORTS OWN WASTE: No
TRANSPORTS OTHRS WASTE: No
RECYCLER ONSITE: No
TRANSFER FACILITY: No
OTHER EXEMPTION: Not reported
UW BATTERY GEN: No
USED OIL TRANSPORTER: No
USED OIL TRANSFER FACILITY: No
USED OIL PROCESSOR: No
USED OIL REREFINER: No
USED OIL FUEL MRKTR DIRECTS SHPMNTS: No
USED OIL FUEL MRKTR MEETS SPECS: No

Facility Site ID Number: 183
SWC Desc: wlo2
FWC Desc: doo1 doo2
Form Comm: Not reported
Data Year: Not reported
Permit by Rule: FALSE
Treatment by Generator: FALSE
Mixed radioactive waste: FALSE
Importer of hazardous waste: FALSE
Immediate recycler: FALSE
Treatment/Storage/Disposal/Recycling Facility: FALSE
Generator of dangerous fuel waste: FALSE
Generator marketing to burner: FALSE
"Other marketers (i.e., blender, distributor, etc.)": FALSE
Utility boiler burner: FALSE
Industry boiler burner: FALSE
Industrial Furnace: FALSE

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WA ECY MANCHESTER LAB (Continued)

1000197528

Smelter defferal: FALSE
Universal waste - batteries - generate: FALSE
Universal waste - thermostats - generate: FALSE
Universal waste - mercury - generate: FALSE
Universal waste - lamps - generate: FALSE
Universal waste - batteries - accumulate: FALSE
Universal waste - thermostats - accumulate: FALSE
Universal waste - mercury - accumulate: FALSE
Universal waste - lamps - accumulate: FALSE
Destination Facility for Universal Waste: FALSE
Off-specification used oil burner - utility boiler: FALSE
Off-specification used oil burner - industrial boiler: FALSE
Off-specification used oil burner - industrial furnace: FALSE
EPA ID: WAD988471892
Facility Address 2: Not reported
TAX REG NBR: 600021881
NAICS CD: 562219
BUSINESS TYPE: Environmental Laboratory
MAIL NAME: WA ECY
MAIL ADDR LINE1: 7411 Beach Dr E
MAIL CITY,ST,ZIP: Port Orchard, WA 98366-8204
MAIL COUNTRY: UNITED STATES
LEGAL ORG NAME: EPA
LEGAL ORG TYPE: Federal
LEGAL ADDR LINE1: 7411 Beach Dr E
LEGAL CITY,ST,ZIP: Port Orchard, WA 98366-8204
LEGAL COUNTRY: UNITED STATES
LEGAL PHONE NBR: (360)871-8700
LEGAL EFFECTIVE DATE: 1/1/1979
LAND ORG NAME: EPA
LAND ORG TYPE: Federal
LAND PERSON NAME: Not reported
LAND ADDR LINE1: 7411 Beach Dr E
LAND CITY,ST,ZIP: Port Orchard, WA 98366-8204
LAND COUNTRY: UNITED STATES
LAND PHONE NBR: (360)871-8700
OPERATOR ORG NAME: WA ECY
OPERATOR ORG TYPE: State
OPERATOR ADDR LINE1: 7411 Beach Dr E
OPERATOR CITY,ST,ZIP: Port Orchard, WA 98366-8204
OPERATOR COUNTRY: UNITED STATES
OPERATOR PHONE NBR: (360)871-8800
OPERATOR EFFECTIVE DATE: Not reported
SITE CONTACT NAME: Susan Davis
SITE CONTACT ADDR LINE1: 7411 Beach Dr E
SITE CONTACT ZIP: Port Orchard, WA 98366-8204
SITE CONTACT COUNTRY: UNITED STATES
SITE CONTACT PHONE NBR: (360)871-8806
SITE CONTACT EMAIL: sdav461@ecy.wa.gov
FORM CONTACT NAME: Susan Davis
FORM CONTACT ADDR LINE1: 7411 Beach Dr E
FORM CONTACT CITY,ST,ZIP: Port Orchard, WA 98366-8204
FORM CONTACT COUNTRY: UNITED STATES
FORM CONTACT PHONE NBR: (360)871-8806
FORM CONTACT EMAIL: sdav461@ecy.wa.gov
GEN STATUS CD: MQG
MONTHLY GENERATION: FALSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WA ECY MANCHESTER LAB (Continued)

1000197528

BATCH GENERATION: TRUE
ONE TIME GENERATION: FALSE
TRANSPORTS OWN WASTE: FALSE
TRANSPORTS OTHRS WASTE: FALSE
RECYCLER ONSITE: FALSE
TRANSFER FACILITY: FALSE
OTHER EXEMPTION: Not reported
UW BATTERY GEN: FALSE
USED OIL TRANSPORTER: FALSE
USED OIL TRANSFER FACILITY: FALSE
USED OIL PROCESSOR: FALSE
USED OIL REREFINER: FALSE
USED OIL FUEL MRKTR DIRECTS SHPMNTS: FALSE
USED OIL FUEL MRKTR MEETS SPECS: FALSE

Facility Site ID Number: 183
SWC Desc: WT02
FWC Desc: D001 D002 F002 F003
Form Comm: Not reported
Data Year: 2008
Permit by Rule: False
Treatment by Generator: False
Mixed radioactive waste: False
Importer of hazardous waste: False
Immediate recycler: False
Treatment/Storage/Disposal/Recycling Facility: False
Generator of dangerous fuel waste: False
Generator marketing to burner: False
"Other marketers (i.e., blender, distributor, etc.)": False
Utility boiler burner: False
Industry boiler burner: False
Industrial Furnace: False
Smelter deferral: False
Universal waste - batteries - generate: False
Universal waste - thermostats - generate: False
Universal waste - mercury - generate: False
Universal waste - lamps - generate: False
Universal waste - batteries - accumulate: False
Universal waste - thermostats - accumulate: False
Universal waste - mercury - accumulate: False
Universal waste - lamps - accumulate: False
Destination Facility for Universal Waste: False
Off-specification used oil burner - utility boiler: False
Off-specification used oil burner - industrial boiler: False
Off-specification used oil burner - industrial furnace: False
EPA ID: WAD988471892
Facility Address 2: Not reported
TAX REG NBR: 600021881
NAICS CD: 562219
BUSINESS TYPE: Environmental Laboratory
MAIL NAME: WA ECY
MAIL ADDR LINE1: 7411 Beach Dr E
MAIL CITY,ST,ZIP: Port Orchard, WA 98366-8204
MAIL COUNTRY: UNITED STATES
LEGAL ORG NAME: EPA
LEGAL ORG TYPE: Federal
LEGAL ADDR LINE1: 7411 Beach Dr E

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WA ECY MANCHESTER LAB (Continued)

1000197528

LEGAL CITY,ST,ZIP: Port Orchard, WA 98366-8204
LEGAL COUNTRY: UNITED STATES
LEGAL PHONE NBR: (360)871-8700
LEGAL EFFECTIVE DATE: 1/1/1979
LAND ORG NAME: EPA
LAND ORG TYPE: Federal
LAND PERSON NAME: Not reported
LAND ADDR LINE1: 7411 Beach Dr E
LAND CITY,ST,ZIP: Port Orchard, WA 98366-8204
LAND COUNTRY: UNITED STATES
LAND PHONE NBR: (360)871-8700
OPERATOR ORG NAME: WA ECY
OPERATOR ORG TYPE: State
OPERATOR ADDR LINE1: 7411 Beach Dr E
OPERATOR CITY,ST,ZIP: Port Orchard, WA 98366-8204
OPERATOR COUNTRY: UNITED STATES
OPERATOR PHONE NBR: (360)871-8806
OPERATOR EFFECTIVE DATE: Not reported
SITE CONTACT NAME: Susan Carrell
SITE CONTACT ADDR LINE1: 7411 Beach Dr E
SITE CONTACT ZIP: Port Orchard, WA 98366-8204
SITE CONTACT COUNTRY: UNITED STATES
SITE CONTACT PHONE NBR: (360)871-8806
SITE CONTACT EMAIL: sdav461@ecy.wa.gov
FORM CONTACT NAME: Susan Carrell
FORM CONTACT ADDR LINE1: 7411 Beach Dr E
FORM CONTACT CITY,ST,ZIP: Port Orchard, WA 98366-8204
FORM CONTACT COUNTRY: UNITED STATES
FORM CONTACT PHONE NBR: (360)871-8806
FORM CONTACT EMAIL: sdav461@ecy.wa.gov
GEN STATUS CD: SQG
MONTHLY GENERATION: False
BATCH GENERATION: True
ONE TIME GENERATION: False
TRANSPORTS OWN WASTE: False
TRANSPORTS OTHRS WASTE: False
RECYCLER ONSITE: False
TRANSFER FACILITY: False
OTHER EXEMPTION: Not reported
UW BATTERY GEN: False
USED OIL TRANSPORTER: False
USED OIL TRANSFER FACILITY: False
USED OIL PROCESSOR: False
USED OIL REREFINER: False
USED OIL FUEL MRKTR DIRECTS SHPMNTS: False
USED OIL FUEL MRKTR MEETS SPECS: False

[Click this hyperlink](#) while viewing on your computer to access additional WA MANIFEST: detail in the EDR Site Report.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

7
SSE
1/2-1
0.531 mi.
2806 ft.

**FISC PUGET SOUND FUEL DEPT
7501 BEACH DR E
PORT ORCHARD, WA 98366**

**CERC-NFRAP
CORRACTS
RCRA-CESQG
FINDS
ALLSITES
MANIFEST
SPILLS**

**1000160357
WA2170023426**

**Relative:
Lower**

**Actual:
18 ft.**

CERC-NFRAP:
Site ID: 1001108
Federal Facility: Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP

CERCLIS-NFRAP Site Alias Name(s):

Alias Name: US NAVY NAVAL SUPPLY CENTER - PUGET SOUN
Alias Address: MANCHESTER FUEL DEPT
MANCHESTER, WA 98353

Alias Name: MANCHESTER SUPPLY CENTER
Alias Address: Not reported
WA

Alias Name: USNAVY FUEL DEPT NSC PUGET SOUND
Alias Address: ORCHARD PT LITTLE CLAM BAY
MANCHESTER, WA 98353

Alias Name: PUGET SOUND FISC FUEL DEPARTMENT
Alias Address: ORCHARD POINT/LITTLE CLAM BAY
MANCHESTER, WA 98134

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: Not reported
Date Completed: 10/01/1980
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: 08/22/1990
Date Completed: 06/02/1992
Priority Level: Higher priority for further assessment

Action: DC
Date Started: Not reported
Date Completed: 10/22/1992
Priority Level: Not reported

Action: SITE INSPECTION
Date Started: 11/02/1993
Date Completed: 01/17/1995
Priority Level: Low priority for further assessment

Action: ARCHIVE SITE
Date Started: Not reported
Date Completed: 04/01/2003
Priority Level: Not reported

Action: VF

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FISC PUGET SOUND FUEL DEPT (Continued)

1000160357

Date Started: 08/24/2000
Date Completed: 04/01/2003
Priority Level: Not reported

Action: OTHER CLEANUP ACTIVITY
Date Started: 08/03/1995
Date Completed: 04/01/2003
Priority Level: NFRAP: No further Remedial Action planned

CORRACTS:

EPA ID: WA2170023426
EPA Region: 10
Area Name: ENTIRE FACILITY
Actual Date: 6/13/1988
Action: CA050 - RFA Completed
NAICS Code(s): 42471
Petroleum Bulk Stations and Terminals
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WA2170023426
EPA Region: 10
Area Name: ENTIRE FACILITY
Actual Date: 6/13/1988
Action: CA070NO - RFA Determination Of Need For An RFI, RFI is Not Necessary
NAICS Code(s): 42471
Petroleum Bulk Stations and Terminals
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WA2170023426
EPA Region: 10
Area Name: ENTIRE FACILITY
Actual Date: 6/13/1988
Action: CA210SF - CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective Action at the facility or area referred to CERCLA
NAICS Code(s): 42471
Petroleum Bulk Stations and Terminals
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WA2170023426
EPA Region: 10
Area Name: ENTIRE FACILITY
Actual Date: 6/13/1988
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 42471
Petroleum Bulk Stations and Terminals
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: WA2170023426
EPA Region: 10
Area Name: ENTIRE FACILITY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FISC PUGET SOUND FUEL DEPT (Continued)

1000160357

Actual Date: 9/5/1997
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 42471
Petroleum Bulk Stations and Terminals
Original schedule date: Not reported
Schedule end date: Not reported

RCRA-CESQG:

Date form received by agency: 02/25/2008
Facility name: FISC PUGET SOUND FUEL DEPT
Facility address: 7501 BEACH DR E
PORT ORCHARD, WA 98366
EPA ID: WA2170023426
Mailing address: PO BOX 8
MANCHESTER, WA 98353-0008
Contact: GLENN E SCHMITT
Contact address: PO BOX 8
MANCHESTER, WA 98353-0008
Contact country: US
Contact telephone: (360)476-9338
Contact email: Not reported
EPA Region: 10
Land type: Federal
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: FLEET & INDUSTRIAL SUPPLY CENTER PS
Owner/operator address: PO BOX 8
MANCHESTER, WA 98353
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Federal
Owner/Operator Type: Operator
Owner/Op start date: 02/12/1997
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FISC PUGET SOUND FUEL DEPT (Continued)

1000160357

Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: Yes
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Historical Generators:

Date form received by agency: 12/31/2007
Facility name: FISC PUGET SOUND FUEL DEPT
Classification: Not a generator, verified

Date form received by agency: 12/31/2005
Facility name: FISC PUGET SOUND FUEL DEPT
Classification: Not a generator, verified

Date form received by agency: 12/31/2003
Facility name: FISC PUGET SOUND FUEL DEPT
Classification: Not a generator, verified

Date form received by agency: 04/06/2000
Facility name: FISC PUGET SOUND FUEL DEPT
Classification: Large Quantity Generator

Date form received by agency: 02/23/1998
Facility name: FISC PUGET SOUND FUEL DEPT
Site name: FISC PS MANCHESTER FUEL DEPT
Classification: Large Quantity Generator

Date form received by agency: 03/01/1996
Facility name: FISC PUGET SOUND FUEL DEPT
Site name: FISC PS MANCHESTER FUEL DEPT
Classification: Large Quantity Generator

Date form received by agency: 02/15/1994
Facility name: FISC PUGET SOUND FUEL DEPT
Site name: FLEET & INDUSTRIAL SUPPLY CENTER
Classification: Large Quantity Generator

Date form received by agency: 09/01/1993
Facility name: FISC PUGET SOUND FUEL DEPT
Site name: NAVAL SUPPLY CTR PUGET SOUND
Classification: Large Quantity Generator

Corrective Action Summary:

Event date: 06/13/1988
Event: RFA Completed

Event date: 06/13/1988
Event: RFA Determination Of Need For An RFI, RFI is Not Necessary;

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FISC PUGET SOUND FUEL DEPT (Continued)

1000160357

Event date: 06/13/1988
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event date: 06/13/1988
Event: CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective Action at the facility or area referred to CERCLA.

Event date: 09/05/1997
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Facility Has Received Notices of Violations:

Regulation violated: SR - 630(3)
Area of violation: TSD - Container Use and Management
Date violation determined: 06/18/1992
Date achieved compliance: 08/13/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/18/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 330(2)(b)
Area of violation: TSD - General Facility Standards
Date violation determined: 06/18/1992
Date achieved compliance: 08/13/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/18/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 330(1)(b)
Area of violation: TSD - General Facility Standards
Date violation determined: 06/18/1992
Date achieved compliance: 08/13/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/18/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FISC PUGET SOUND FUEL DEPT (Continued)

1000160357

Date violation determined: 06/01/1990
Date achieved compliance: 12/27/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/11/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 05/18/1990
Date achieved compliance: 11/07/1994
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/23/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 05/18/1990
Date achieved compliance: 11/07/1994
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/23/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 08/31/1988
Date achieved compliance: 03/09/1989
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 09/28/1987

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FISC PUGET SOUND FUEL DEPT (Continued)

1000160357

Date achieved compliance: 03/09/1989
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 09/25/1986
Date achieved compliance: 03/09/1989
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/02/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 09/25/1986
Date achieved compliance: 07/04/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/02/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 09/25/1986
Date achieved compliance: 03/09/1989
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/02/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 09/25/1986
Date achieved compliance: 07/04/1994

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FISC PUGET SOUND FUEL DEPT (Continued)

1000160357

Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/02/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 09/25/1986
Date achieved compliance: 03/09/1989
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/02/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 10/26/1983
Date achieved compliance: 05/22/1984
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/27/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 11/07/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 11/06/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/03/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Container Use and Management
Date achieved compliance: 08/13/1992
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FISC PUGET SOUND FUEL DEPT (Continued)

1000160357

Evaluation date: 03/03/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 08/13/1992
Evaluation lead agency: State

Evaluation date: 04/02/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/01/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 12/27/1990
Evaluation lead agency: State

Evaluation date: 05/18/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 11/07/1994
Evaluation lead agency: EPA

Evaluation date: 05/18/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 11/07/1994
Evaluation lead agency: EPA

Evaluation date: 03/09/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 08/31/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 03/09/1989
Evaluation lead agency: EPA

Evaluation date: 09/28/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 03/09/1989
Evaluation lead agency: EPA

Evaluation date: 09/25/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 07/04/1994
Evaluation lead agency: State

Evaluation date: 09/25/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Manifest/Records/Reporting

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FISC PUGET SOUND FUEL DEPT (Continued)

1000160357

Date achieved compliance: 03/09/1989
Evaluation lead agency: EPA

Evaluation date: 09/25/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 03/09/1989
Evaluation lead agency: EPA

Evaluation date: 09/25/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 03/09/1989
Evaluation lead agency: EPA

Evaluation date: 09/25/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 07/04/1994
Evaluation lead agency: State

Evaluation date: 05/25/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/26/1983
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD - General
Date achieved compliance: 05/22/1984
Evaluation lead agency: State

FINDS:

Registry ID: 110006894780

Environmental Interest/Information System

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

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FISC PUGET SOUND FUEL DEPT (Continued)

1000160357

US Facility Response Plan (FRP) contains plans for responding, to the maximum extent practical, to worst case discharges of oil.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

ALLSITES:

Facility Id: 2833249
Latitude: 47.560969999999998
Longitude: -122.54604
Geographic location identifier (alias facid): 2833249
Facility Name: FISC Puget Sound Fuel Dept
Latitude Decimal Degrees: 47.560969999999998
Longitude Decimal Degrees: -122.54604
Coordinate Point Areal Extent Code: 99
Horizontal Accuracy Code: 99
Coordinate Point Geographic Position Code: 99
Location Verified Code: N

Geographic Location Identifier (Alias Facid): 2833249
Interaction (Aka Env Int) Type Code: HWOTHER
Interaction (Aka Env Int) Description: Haz Waste Management Activity
Interaction Status: I
Federal Program Identifier: WA2170023426
Interaction Start Date: 12/31/2006
Interaction End Date: 2/25/2008

Geographic Location Identifier (Alias Facid): 2833249
Interaction (Aka Env Int) Type Code: HWG
Interaction (Aka Env Int) Description: Hazardous Waste Generator
Interaction Status: I
Federal Program Identifier: WA2170023426
Interaction Start Date: 8/15/1980
Interaction End Date: 12/31/2006

Geographic Location Identifier (Alias Facid): 2833249
Interaction (Aka Env Int) Type Code: HWP
Interaction (Aka Env Int) Description: Hazardous Waste Planner
Interaction Status: I
Federal Program Identifier: WA2170023426
Interaction Start Date: 1/1/1998
Interaction End Date: 9/27/2005

Geographic Location Identifier (Alias Facid): 2833249

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FISC PUGET SOUND FUEL DEPT (Continued)

1000160357

Interaction (Aka Env Int) Type Code: HWOTHER
Interaction (Aka Env Int) Description: Haz Waste Management Activity
Interaction Status: A
Federal Program Identifier: WA2170023426
Interaction Start Date: 12/31/2008
Interaction End Date: Not reported

Geographic Location Identifier (Alias Facid): 2833249
Interaction (Aka Env Int) Type Code: HWG
Interaction (Aka Env Int) Description: Hazardous Waste Generator
Interaction Status: I
Federal Program Identifier: WA2170023426
Interaction Start Date: 2/25/2008
Interaction End Date: 12/31/2008

WA MANIFEST:

Facility Site ID Number: 2833249
SWC Desc: WT02
FWC Desc: D001, F003, F005
Form Comm: Not reported
Data Year: Not reported
Permit by Rule: False
Treatment by Generator: False
Mixed radioactive waste: False
Importer of hazardous waste: False
Immediate recycler: False
Treatment/Storage/Disposal/Recycling Facility: False
Generator of dangerous fuel waste: False
Generator marketing to burner: False
"Other marketers (i.e., blender, distributor, etc.)": False
Utility boiler burner: False
Industry boiler burner: False
Industrial Furnace: False
Smelter deferral: False
Universal waste - batteries - generate: False
Universal waste - thermostats - generate: False
Universal waste - mercury - generate: False
Universal waste - lamps - generate: False
Universal waste - batteries - accumulate: False
Universal waste - thermostats - accumulate: False
Universal waste - mercury - accumulate: False
Universal waste - lamps - accumulate: False
Destination Facility for Universal Waste: False
Off-specification used oil burner - utility boiler: False
Off-specification used oil burner - industrial boiler: False
Off-specification used oil burner - industrial furnace: False
EPA ID: WA2170023426
Facility Address 2: Not reported
TAX REG NBR: NA
NAICS CD: 42471
BUSINESS TYPE: Federal Fuel Terminal
MAIL NAME: FISC Puget Sound Fuel Dept
MAIL ADDR LINE1: PO BOX 8
MAIL CITY,ST,ZIP: MANCHESTER, WA 98353-0008
MAIL COUNTRY: UNITED STATES
LEGAL ORG NAME: Fleet & Indus Supply Center Puget Sound

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FISC PUGET SOUND FUEL DEPT (Continued)

1000160357

LEGAL ORG TYPE: Federal
LEGAL ADDR LINE1: 467 W Street
LEGAL CITY,ST,ZIP: BREMERTON, WA 98314
LEGAL COUNTRY: UNITED STATES
LEGAL PHONE NBR: 360 476-9338
LEGAL EFFECTIVE DATE: 3/5/2001
LAND ORG NAME: Fleet & Indus Supply Center Puget Sound
LAND ORG TYPE: Federal
LAND PERSON NAME: Not reported
LAND ADDR LINE1: 467 W Street
LAND CITY,ST,ZIP: BREMERTON, WA 98314
LAND COUNTRY: UNITED STATES
LAND PHONE NBR: 360 476-9338
OPERATOR ORG NAME: Fleet & Industrial Supply Center PS
OPERATOR ORG TYPE: Federal
OPERATOR ADDR LINE1: PO BOX 8
OPERATOR CITY,ST,ZIP: MANCHESTER, WA 98353-0008
OPERATOR COUNTRY: UNITED STATES
OPERATOR PHONE NBR: (360) 476 9338
OPERATOR EFFECTIVE DATE: 02/12/97
SITE CONTACT NAME: Glenn E Schmitt
SITE CONTACT ADDR LINE1: PO BOX 8
SITE CONTACT ZIP: MANCHESTER, WA 98353-0008
SITE CONTACT COUNTRY: UNITED STATES
SITE CONTACT PHONE NBR: 360476-9338
SITE CONTACT EMAIL: glenn.schmitt@navy.mil
FORM CONTACT NAME: Glenn E Schmitt
FORM CONTACT ADDR LINE1: PO BOX 8
FORM CONTACT CITY,ST,ZIP: MANCHESTER, WA 98353-0008
FORM CONTACT COUNTRY: UNITED STATES
FORM CONTACT PHONE NBR: 360476-9338
FORM CONTACT EMAIL: glenn.schmitt@navy.mil
GEN STATUS CD: SQG
MONTHLY GENERATION: False
BATCH GENERATION: True
ONE TIME GENERATION: False
TRANSPORTS OWN WASTE: False
TRANSPORTS OTHRS WASTE: False
RECYCLER ONSITE: False
TRANSFER FACILITY: False
OTHER EXEMPTION: Not reported
UW BATTERY GEN: False
USED OIL TRANSPORTER: False
USED OIL TRANSFER FACILITY: False
USED OIL PROCESSOR: True
USED OIL REREFINER: False
USED OIL FUEL MRKTR DIRECTS SHPMNTS: False
USED OIL FUEL MRKTR MEETS SPECS: False

Facility Site ID Number: 2833249
SWC Desc: WP01, WT02,
FWC Desc: D001, D035, D006, D007, D008,
Form Comm: Not reported
Data Year: 2009
Permit by Rule: False
Treatment by Generator: False
Mixed radioactive waste: False

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FISC PUGET SOUND FUEL DEPT (Continued)

1000160357

Importer of hazardous waste: False
Immediate recycler: False
Treatment/Storage/Disposal/Recycling Facility: False
Generator of dangerous fuel waste: False
Generator marketing to burner: False
"Other marketers (i.e., blender, distributor, etc.)": False
Utility boiler burner: False
Industry boiler burner: False
Industrial Furnace: False
Smelter deferral: False
Universal waste - batteries - generate: False
Universal waste - thermostats - generate: False
Universal waste - mercury - generate: False
Universal waste - lamps - generate: True
Universal waste - batteries - accumulate: True
Universal waste - thermostats - accumulate: False
Universal waste - mercury - accumulate: False
Universal waste - lamps - accumulate: True
Destination Facility for Universal Waste: False
Off-specification used oil burner - utility boiler: False
Off-specification used oil burner - industrial boiler: False
Off-specification used oil burner - industrial furnace: False
EPA ID: WA2170023426
Facility Address 2: Not reported
TAX REG NBR: NA
NAICS CD: 424710
BUSINESS TYPE: Federal Fuel Terminal
MAIL NAME: FISC Puget Sound Fuel Dept
MAIL ADDR LINE1: PO BOX 8
MAIL CITY,ST,ZIP: MANCHESTER, WA 98353-0008
MAIL COUNTRY: UNITED STATES
LEGAL ORG NAME: Fleet & Indus Supply Center Puget Sound
LEGAL ORG TYPE: Federal
LEGAL ADDR LINE1: 467 W Street
LEGAL CITY,ST,ZIP: BREMERTON, WA 98314
LEGAL COUNTRY: UNITED STATES
LEGAL PHONE NBR: 360 476-9338
LEGAL EFFECTIVE DATE: 3/5/2001
LAND ORG NAME: US Navy Naval Bases Kitsap
LAND ORG TYPE: Federal
LAND PERSON NAME: Not reported
LAND ADDR LINE1: 467 W Street
LAND CITY,ST,ZIP: BREMERTON, WA 98314
LAND COUNTRY: UNITED STATES
LAND PHONE NBR: 360 476-9338
OPERATOR ORG NAME: Fleet & Industrial Supply Center PS
OPERATOR ORG TYPE: Federal
OPERATOR ADDR LINE1: PO BOX 8
OPERATOR CITY,ST,ZIP: MANCHESTER, WA 98353-0008
OPERATOR COUNTRY: UNITED STATES
OPERATOR PHONE NBR: (360) 476 9338
OPERATOR EFFECTIVE DATE: 2/12/1997
SITE CONTACT NAME: Glenn E Schmitt
SITE CONTACT ADDR LINE1: PO BOX 8
SITE CONTACT ZIP: MANCHESTER, WA 98353-0008
SITE CONTACT COUNTRY: UNITED STATES
SITE CONTACT PHONE NBR: 360476-9338

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FISC PUGET SOUND FUEL DEPT (Continued)

1000160357

SITE CONTACT EMAIL: glenn.schmitt@navy.mil
FORM CONTACT NAME: Glenn E Schmitt
FORM CONTACT ADDR LINE1: PO BOX 8
FORM CONTACT CITY,ST,ZIP: MANCHESTER, WA 98353-0008
FORM CONTACT COUNTRY: UNITED STATES
FORM CONTACT PHONE NBR: 360476-9338
FORM CONTACT EMAIL: glenn.schmitt@navy.mil
GEN STATUS CD: SQG
MONTHLY GENERATION: False
BATCH GENERATION: True
ONE TIME GENERATION: False
TRANSPORTS OWN WASTE: False
TRANSPORTS OTHRS WASTE: False
RECYCLER ONSITE: False
TRANSFER FACILITY: False
OTHER EXEMPTION: Not reported
UW BATTERY GEN: True
USED OIL TRANSPORTER: False
USED OIL TRANSFER FACILITY: False
USED OIL PROCESSOR: False
USED OIL REREFINER: False
USED OIL FUEL MRKTR DIRECTS SHPMNTS: False
USED OIL FUEL MRKTR MEETS SPECS: False

Facility Site ID Number: 2833249
SWC Desc: WT02
FWC Desc: D001, F003, F005
Form Comm: Not reported
Data Year: Not reported
Permit by Rule: No
Treatment by Generator: No
Mixed radioactive waste: No
Importer of hazardous waste: No
Immediate recycler: No
Treatment/Storage/Disposal/Recycling Facility: No
Generator of dangerous fuel waste: No
Generator marketing to burner: No
"Other marketers (i.e., blender, distributor, etc.)": No
Utility boiler burner: No
Industry boiler burner: No
Industrial Furnace: No
Smelter defferal: No
Universal waste - batteries - generate: No
Universal waste - thermostats - generate: No
Universal waste - mercury - generate: Yes
Universal waste - lamps - generate: Yes
Universal waste - batteries - accumulate: Yes
Universal waste - thermostats - accumulate: No
Universal waste - mercury - accumulate: Yes
Universal waste - lamps - accumulate: Yes
Destination Facility for Universal Waste: No
Off-specification used oil burner - utility boiler: No
Off-specification used oil burner - industrial boiler: No
Off-specification used oil burner - industrial furnace: No
EPA ID: WA2170023426
Facility Address 2: Not reported
TAX REG NBR: NA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FISC PUGET SOUND FUEL DEPT (Continued)

1000160357

NAICS CD: 42471
BUSINESS TYPE: Federal Fuel Terminal
MAIL NAME: FISC Puget Sound Fuel Dept
MAIL ADDR LINE1: PO BOX 8
MAIL CITY,ST,ZIP: MANCHESTER, WA 98353-0008
MAIL COUNTRY: UNITED STATES
LEGAL ORG NAME: Fleet & Indus Supply Center Puget Sound
LEGAL ORG TYPE: Federal
LEGAL ADDR LINE1: 467 W Street
LEGAL CITY,ST,ZIP: BREMERTON, WA 98314
LEGAL COUNTRY: UNITED STATES
LEGAL PHONE NBR: 360 476 2135
LEGAL EFFECTIVE DATE: 3/5/2001
LAND ORG NAME: Fleet & Industrial Supply Center PS
LAND ORG TYPE: Federal
LAND PERSON NAME: Not reported
LAND ADDR LINE1: PO BOX 8
LAND CITY,ST,ZIP: MANCHESTER, WA 98353-0008
LAND COUNTRY: UNITED STATES
LAND PHONE NBR: 360 476 2135
OPERATOR ORG NAME: Fleet & Industrial Supply Center PS
OPERATOR ORG TYPE: Federal
OPERATOR ADDR LINE1: PO BOX 8
OPERATOR CITY,ST,ZIP: MANCHESTER, WA 98353-0008
OPERATOR COUNTRY: UNITED STATES
OPERATOR PHONE NBR: (360) 476 2135x223
OPERATOR EFFECTIVE DATE: 2/12/1997
SITE CONTACT NAME: Glenn E Schmitt
SITE CONTACT ADDR LINE1: PO BOX 8
SITE CONTACT ZIP: MANCHESTER, WA 98353-0008
SITE CONTACT COUNTRY: UNITED STATES
SITE CONTACT PHONE NBR: 360476-2145 223
SITE CONTACT EMAIL: glenn.schmitt@navy.mil
FORM CONTACT NAME: Glenn E Schmitt
FORM CONTACT ADDR LINE1: PO BOX 8
FORM CONTACT CITY,ST,ZIP: MANCHESTER, WA 98353-0008
FORM CONTACT COUNTRY: UNITED STATES
FORM CONTACT PHONE NBR: 360476-2145 223
FORM CONTACT EMAIL: glenn.schmitt@navy.mil
GEN STATUS CD: SQG
MONTHLY GENERATION: No
BATCH GENERATION: Yes
ONE TIME GENERATION: No
TRANSPORTS OWN WASTE: No
TRANSPORTS OTHRS WASTE: No
RECYCLER ONSITE: No
TRANSFER FACILITY: No
OTHER EXEMPTION: Not reported
UW BATTERY GEN: Yes
USED OIL TRANSPORTER: No
USED OIL TRANSFER FACILITY: Yes
USED OIL PROCESSOR: Yes
USED OIL REREFINER: No
USED OIL FUEL MRKTR DIRECTS SHPMNTS: No
USED OIL FUEL MRKTR MEETS SPECS: No

Facility Site ID Number: 2833249

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FISC PUGET SOUND FUEL DEPT (Continued)

1000160357

SWC Desc: Not reported
FWC Desc: Not reported
Form Comm: Not reported
Data Year: 2008
Permit by Rule: False
Treatment by Generator: False
Mixed radioactive waste: False
Importer of hazardous waste: False
Immediate recycler: False
Treatment/Storage/Disposal/Recycling Facility: False
Generator of dangerous fuel waste: False
Generator marketing to burner: False
"Other marketers (i.e., blender, distributor, etc.)": False
Utility boiler burner: False
Industry boiler burner: False
Industrial Furnace: False
Smelter deferral: False
Universal waste - batteries - generate: False
Universal waste - thermostats - generate: False
Universal waste - mercury - generate: False
Universal waste - lamps - generate: False
Universal waste - batteries - accumulate: True
Universal waste - thermostats - accumulate: False
Universal waste - mercury - accumulate: False
Universal waste - lamps - accumulate: True
Destination Facility for Universal Waste: False
Off-specification used oil burner - utility boiler: False
Off-specification used oil burner - industrial boiler: False
Off-specification used oil burner - industrial furnace: False
EPA ID: WA2170023426
Facility Address 2: Not reported
TAX REG NBR: NA
NAICS CD: 42471
BUSINESS TYPE: Federal Fuel Terminal
MAIL NAME: FISC Puget Sound Fuel Dept
MAIL ADDR LINE1: PO BOX 8
MAIL CITY,ST,ZIP: MANCHESTER, WA 98353-0008
MAIL COUNTRY: UNITED STATES
LEGAL ORG NAME: Fleet & Indus Supply Center Puget Sound
LEGAL ORG TYPE: Federal
LEGAL ADDR LINE1: 467 W Street
LEGAL CITY,ST,ZIP: BREMERTON, WA 98314
LEGAL COUNTRY: UNITED STATES
LEGAL PHONE NBR: 360 476-9338
LEGAL EFFECTIVE DATE: 3/5/2001
LAND ORG NAME: US Navy Naval Bases Kitsap
LAND ORG TYPE: Federal
LAND PERSON NAME: Not reported
LAND ADDR LINE1: 467 W Street
LAND CITY,ST,ZIP: BREMERTON, WA 98314
LAND COUNTRY: UNITED STATES
LAND PHONE NBR: 360 476-9338
OPERATOR ORG NAME: Fleet & Industrial Supply Center PS
OPERATOR ORG TYPE: Federal
OPERATOR ADDR LINE1: PO BOX 8
OPERATOR CITY,ST,ZIP: MANCHESTER, WA 98353-0008
OPERATOR COUNTRY: UNITED STATES

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FISC PUGET SOUND FUEL DEPT (Continued)

1000160357

OPERATOR PHONE NBR: (360) 476 9338
OPERATOR EFFECTIVE DATE: 2/12/1997
SITE CONTACT NAME: Glenn E Schmitt
SITE CONTACT ADDR LINE1: PO BOX 8
SITE CONTACT ZIP: MANCHESTER, WA 98353-0008
SITE CONTACT COUNTRY: UNITED STATES
SITE CONTACT PHONE NBR: 360476-9338
SITE CONTACT EMAIL: glenn.schmitt@navy.mil
FORM CONTACT NAME: Glenn E Schmitt
FORM CONTACT ADDR LINE1: PO BOX 8
FORM CONTACT CITY,ST,ZIP: MANCHESTER, WA 98353-0008
FORM CONTACT COUNTRY: UNITED STATES
FORM CONTACT PHONE NBR: 360476-9338
FORM CONTACT EMAIL: glenn.schmitt@navy.mil
GEN STATUS CD: XQG
MONTHLY GENERATION: False
BATCH GENERATION: True
ONE TIME GENERATION: False
TRANSPORTS OWN WASTE: False
TRANSPORTS OTHRS WASTE: False
RECYCLER ONSITE: False
TRANSFER FACILITY: False
OTHER EXEMPTION: Not reported
UW BATTERY GEN: False
USED OIL TRANSPORTER: False
USED OIL TRANSFER FACILITY: False
USED OIL PROCESSOR: True
USED OIL REREFINER: False
USED OIL FUEL MRKTR DIRECTS SHPMNTS: False
USED OIL FUEL MRKTR MEETS SPECS: False

Facility Site ID Number: 2833249
SWC Desc: WT02
FWC Desc: D001, F003, F005
Form Comm: Not reported
Data Year: Not reported
Permit by Rule: FALSE
Treatment by Generator: FALSE
Mixed radioactive waste: FALSE
Importer of hazardous waste: FALSE
Immediate recycler: FALSE
Treatment/Storage/Disposal/Recycling Facility: FALSE
Generator of dangerous fuel waste: FALSE
Generator marketing to burner: FALSE
"Other marketers (i.e., blender, distributor, etc.)": FALSE
Utility boiler burner: FALSE
Industry boiler burner: FALSE
Industrial Furnace: FALSE
Smelter defferal: FALSE
Universal waste - batteries - generate: FALSE
Universal waste - thermostats - generate: FALSE
Universal waste - mercury - generate: FALSE
Universal waste - lamps - generate: FALSE
Universal waste - batteries - accumulate: FALSE
Universal waste - thermostats - accumulate: FALSE
Universal waste - mercury - accumulate: FALSE
Universal waste - lamps - accumulate: FALSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FISC PUGET SOUND FUEL DEPT (Continued)

1000160357

Destination Facility for Universal Waste: FALSE
Off-specification used oil burner - utility boiler: FALSE
Off-specification used oil burner - industrial boiler: FALSE
Off-specification used oil burner - industrial furnace: FALSE
EPA ID: WA2170023426
Facility Address 2: Not reported
TAX REG NBR: NA
NAICS CD: 42471
BUSINESS TYPE: Federal Fuel Terminal
MAIL NAME: FISC Puget Sound Fuel Dept
MAIL ADDR LINE1: PO BOX 8
MAIL CITY,ST,ZIP: MANCHESTER, WA 98353-0008
MAIL COUNTRY: UNITED STATES
LEGAL ORG NAME: Fleet & Indus Supply Center Puget Sound
LEGAL ORG TYPE: Federal
LEGAL ADDR LINE1: 467 W Street
LEGAL CITY,ST,ZIP: BREMERTON, WA 98314
LEGAL COUNTRY: UNITED STATES
LEGAL PHONE NBR: 360 476-9338
LEGAL EFFECTIVE DATE: 3/5/2001
LAND ORG NAME: Fleet & Indus Supply Center Puget Sound
LAND ORG TYPE: Federal
LAND PERSON NAME: Not reported
LAND ADDR LINE1: 467 W Street
LAND CITY,ST,ZIP: BREMERTON, WA 98314
LAND COUNTRY: UNITED STATES
LAND PHONE NBR: 360 476-9338
OPERATOR ORG NAME: Fleet & Industrial Supply Center PS
OPERATOR ORG TYPE: Federal
OPERATOR ADDR LINE1: PO BOX 8
OPERATOR CITY,ST,ZIP: MANCHESTER, WA 98353-0008
OPERATOR COUNTRY: UNITED STATES
OPERATOR PHONE NBR: (360) 476 9338
OPERATOR EFFECTIVE DATE: 2/12/1997
SITE CONTACT NAME: Glenn E Schmitt
SITE CONTACT ADDR LINE1: PO BOX 8
SITE CONTACT ZIP: MANCHESTER, WA 98353-0008
SITE CONTACT COUNTRY: UNITED STATES
SITE CONTACT PHONE NBR: 360476-9338
SITE CONTACT EMAIL: glenn.schmitt@navy.mil
FORM CONTACT NAME: Glenn E Schmitt
FORM CONTACT ADDR LINE1: PO BOX 8
FORM CONTACT CITY,ST,ZIP: MANCHESTER, WA 98353-0008
FORM CONTACT COUNTRY: UNITED STATES
FORM CONTACT PHONE NBR: 360476-9338
FORM CONTACT EMAIL: glenn.schmitt@navy.mil
GEN STATUS CD: XQG
MONTHLY GENERATION: FALSE
BATCH GENERATION: TRUE
ONE TIME GENERATION: FALSE
TRANSPORTS OWN WASTE: FALSE
TRANSPORTS OTHRS WASTE: FALSE
RECYCLER ONSITE: FALSE
TRANSFER FACILITY: FALSE
OTHER EXEMPTION: Not reported
UW BATTERY GEN: FALSE
USED OIL TRANSPORTER: FALSE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FISC PUGET SOUND FUEL DEPT (Continued)

1000160357

USED OIL TRANSFER FACILITY: FALSE
USED OIL PROCESSOR: FALSE
USED OIL REREFINER: FALSE
USED OIL FUEL MRKTR DIRECTS SHPMNTS: FALSE
USED OIL FUEL MRKTR MEETS SPECS: FALSE

[Click this hyperlink](#) while viewing on your computer to access additional WA MANIFEST: detail in the EDR Site Report.

SPILLS:

Facility ID: 539952
Medium: Not reported
Material Desc: PETROLEUM - DIESEL FUEL
Material Qty: 1
Material Units: PINT
Date Received: 3/27/2004
Contact Name: Not reported

8
NNE
1/2-1
0.609 mi.
3214 ft.

MANCHESTER AAA SITE
MANCHESTER, WA

FUDS 1010309803
N/A

Relative:
Lower

Actual:
10 ft.

FUDS:
Federal Facility ID: WA9799F3380
FUDS #: F10WA0420
INST ID: 60105
Facility Name: MANCHESTER AAA SITE
City: Manchester
State: WA
EPA Region: 10
County: KITSAP
Congressional District: 06
US Army District: Kansas City District (NWK)
Fiscal Year: 2008
Telephone: 816-983-3486
NPL Status: Not Listed
RAB: Not reported
CTC: Not reported
Current Owner: STATE

FUDS Description Details:

Located 10 miles northeast of Port Orchard, Kitsap County, Washington

FUDS History Details:

A small portion of the Navy Supply Depot, Fuel Division, Manchester, WA, also called the Manchester Annex, estimated to total approximately 20 acres, was evidently transferred to the Army in 1951 or 1952. Records detailing the transfer could not be located.

FUDS Current Program Details:

FUDS Future Program Details:

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
MANCHESTER	S110040891	KANSAS STREET RIGHT OF WAY OPENING	INTERSECTION NEVADA ST / BEA	98366	ALLSITES
MANCHESTER	S110039158	INDIANA STREET RIGHT OF WAY	1000 FT S OF NEVADA AVE / BE	98366	ALLSITES
PORT ORCHARD	1007072869		1950 HWY 161 SE	98366	FINDS, ALLSITES, UST
PORT ORCHARD	1007066083		8900 HWY 3 SW	98366	FINDS, ALLSITES
PORT ORCHARD	S108674413	NOAA	7501 BACH DR		SPILLS
PORT ORCHARD	U001122820	COUNTRY JUNCTION STORE	5310 SE HWY 160	98366	UST
PORT ORCHARD	1007066016		4143 SE HWY 160	98366	FINDS, ALLSITES
PORT ORCHARD	S103511209	WILKINS DISTRIBUTING CO.	134 SW HWY 150	98366	ICR
PORT ORCHARD	S105454213	BOWMAN HEATING OIL	MILE MARKER 22 & HWY 16	98366	ICR
PORT ORCHARD	S110037766	TREMONT MEDICAL OFFICE COMPLEX	TREMONT ST SW & HWY 16	98366	ALLSITES
PORT ORCHARD	1000179485		WOODS ROAD OF HWY N	98366	RCRA-NonGen, FINDS, ALLSITES

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

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

Date of Government Version: 03/31/2010	Source: EPA
Date Data Arrived at EDR: 04/02/2010	Telephone: N/A
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 05/07/2010
Number of Days to Update: 10	Next Scheduled EDR Contact: 07/26/2010
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

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

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

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

Date of Government Version: 03/31/2010	Source: EPA
Date Data Arrived at EDR: 04/02/2010	Telephone: N/A
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 05/07/2010
Number of Days to Update: 10	Next Scheduled EDR Contact: 07/26/2010
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

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

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 05/17/2010
Number of Days to Update: 56	Next Scheduled EDR Contact: 08/30/2010
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 03/31/2010	Source: EPA
Date Data Arrived at EDR: 04/02/2010	Telephone: N/A
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 05/07/2010
Number of Days to Update: 10	Next Scheduled EDR Contact: 07/26/2010
	Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 01/29/2010	Source: EPA
Date Data Arrived at EDR: 02/09/2010	Telephone: 703-412-9810
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 05/07/2010
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/12/2010
	Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of NPL and Base Realignment & Closure sites found in the CERCLIS database where FERRO is involved in cleanup projects.

Date of Government Version: 06/23/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/15/2010	Telephone: 703-603-8704
Date Made Active in Reports: 02/10/2010	Last EDR Contact: 04/30/2010
Number of Days to Update: 26	Next Scheduled EDR Contact: 07/26/2010
	Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 06/23/2009	Source: EPA
Date Data Arrived at EDR: 09/02/2009	Telephone: 703-412-9810
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 05/07/2010
Number of Days to Update: 19	Next Scheduled EDR Contact: 06/14/2010
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/11/2009	Source: EPA
Date Data Arrived at EDR: 12/29/2009	Telephone: 800-424-9346
Date Made Active in Reports: 02/10/2010	Last EDR Contact: 05/17/2010
Number of Days to Update: 43	Next Scheduled EDR Contact: 08/30/2010
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 02/17/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/19/2010	Telephone: (206) 553-1200
Date Made Active in Reports: 05/17/2010	Last EDR Contact: 04/29/2010
Number of Days to Update: 87	Next Scheduled EDR Contact: 07/19/2010
	Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/17/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/19/2010	Telephone: (206) 553-1200
Date Made Active in Reports: 05/17/2010	Last EDR Contact: 04/29/2010
Number of Days to Update: 87	Next Scheduled EDR Contact: 07/19/2010
	Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 02/17/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/19/2010	Telephone: (206) 553-1200
Date Made Active in Reports: 05/17/2010	Last EDR Contact: 04/29/2010
Number of Days to Update: 87	Next Scheduled EDR Contact: 07/19/2010
	Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/17/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/19/2010	Telephone: (206) 553-1200
Date Made Active in Reports: 05/17/2010	Last EDR Contact: 04/29/2010
Number of Days to Update: 87	Next Scheduled EDR Contact: 07/19/2010
	Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 12/20/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/20/2010	Telephone: 703-603-0695
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 03/15/2010
Number of Days to Update: 82	Next Scheduled EDR Contact: 06/28/2010
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

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

Date of Government Version: 12/20/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/20/2010	Telephone: 703-603-0695
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 03/15/2010
Number of Days to Update: 82	Next Scheduled EDR Contact: 06/28/2010
	Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 12/31/2009	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/22/2010	Telephone: 202-267-2180
Date Made Active in Reports: 02/11/2010	Last EDR Contact: 04/07/2010
Number of Days to Update: 20	Next Scheduled EDR Contact: 07/19/2010
	Data Release Frequency: Annually

State- and tribal - equivalent NPL

HSL: Hazardous Sites List

The Hazardous Sites List is a subset of the CSCSL Report. It includes sites which have been assessed and ranked using the Washington Ranking Method (WARM).

Date of Government Version: 02/17/2010	Source: Department of Ecology
Date Data Arrived at EDR: 02/19/2010	Telephone: 360-407-7200
Date Made Active in Reports: 02/24/2010	Last EDR Contact: 05/18/2010
Number of Days to Update: 5	Next Scheduled EDR Contact: 08/30/2010
	Data Release Frequency: Semi-Annually

State- and tribal - equivalent CERCLIS

CSCSL: Confirmed and Suspected Contaminated Sites List

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

Date of Government Version: 04/26/2010	Source: Department of Ecology
Date Data Arrived at EDR: 04/29/2010	Telephone: 360-407-7200
Date Made Active in Reports: 05/19/2010	Last EDR Contact: 04/29/2010
Number of Days to Update: 20	Next Scheduled EDR Contact: 08/09/2010
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Solid Waste Facility Database

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

Date of Government Version: 12/31/2009	Source: Department of Ecology
Date Data Arrived at EDR: 02/04/2010	Telephone: 360-407-6132
Date Made Active in Reports: 03/09/2010	Last EDR Contact: 03/15/2010
Number of Days to Update: 33	Next Scheduled EDR Contact: 06/28/2010
	Data Release Frequency: Annually

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tanks Site List

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

Date of Government Version: 04/01/2010	Source: Department of Ecology
Date Data Arrived at EDR: 04/01/2010	Telephone: 360-407-7183
Date Made Active in Reports: 05/19/2010	Last EDR Contact: 04/01/2010
Number of Days to Update: 48	Next Scheduled EDR Contact: 06/07/2010
	Data Release Frequency: Quarterly

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

Date of Government Version: 02/01/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/03/2010	Telephone: 415-972-3372
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 05/03/2010
Number of Days to Update: 40	Next Scheduled EDR Contact: 08/16/2010
	Data Release Frequency: Quarterly

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

Date of Government Version: 03/10/2010	Source: EPA Region 4
Date Data Arrived at EDR: 03/16/2010	Telephone: 404-562-8677
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 05/03/2010
Number of Days to Update: 27	Next Scheduled EDR Contact: 08/16/2010
	Data Release Frequency: Semi-Annually

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

Date of Government Version: 02/02/2010	Source: EPA Region 10
Date Data Arrived at EDR: 02/03/2010	Telephone: 206-553-2857
Date Made Active in Reports: 02/18/2010	Last EDR Contact: 05/03/2010
Number of Days to Update: 15	Next Scheduled EDR Contact: 08/16/2010
	Data Release Frequency: Quarterly

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

Date of Government Version: 02/19/2009	Source: EPA Region 1
Date Data Arrived at EDR: 02/19/2009	Telephone: 617-918-1313
Date Made Active in Reports: 03/16/2009	Last EDR Contact: 05/03/2010
Number of Days to Update: 25	Next Scheduled EDR Contact: 08/16/2010
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 03/05/2010	Source: EPA Region 6
Date Data Arrived at EDR: 03/05/2010	Telephone: 214-665-6597
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 05/03/2010
Number of Days to Update: 38	Next Scheduled EDR Contact: 08/16/2010
	Data Release Frequency: Varies

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

Date of Government Version: 03/24/2009	Source: EPA Region 7
Date Data Arrived at EDR: 05/20/2009	Telephone: 913-551-7003
Date Made Active in Reports: 06/17/2009	Last EDR Contact: 05/04/2010
Number of Days to Update: 28	Next Scheduled EDR Contact: 08/16/2010
	Data Release Frequency: Varies

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

Date of Government Version: 02/25/2010	Source: EPA Region 8
Date Data Arrived at EDR: 02/25/2010	Telephone: 303-312-6271
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 05/03/2010
Number of Days to Update: 46	Next Scheduled EDR Contact: 08/16/2010
	Data Release Frequency: Quarterly

State and tribal registered storage tank lists

UST: Underground Storage Tank Database

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

Date of Government Version: 02/24/2010	Source: Department of Ecology
Date Data Arrived at EDR: 02/25/2010	Telephone: 360-407-7183
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 02/25/2010
Number of Days to Update: 46	Next Scheduled EDR Contact: 06/07/2010
	Data Release Frequency: Quarterly

AST: Aboveground Storage Tank Locations

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

Date of Government Version: 05/27/2009	Source: Department of Ecology
Date Data Arrived at EDR: 05/28/2009	Telephone: 360-407-7562
Date Made Active in Reports: 06/19/2009	Last EDR Contact: 05/10/2010
Number of Days to Update: 22	Next Scheduled EDR Contact: 08/23/2010
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

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

Date of Government Version: 03/10/2010	Source: EPA Region 4
Date Data Arrived at EDR: 03/16/2010	Telephone: 404-562-9424
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 05/03/2010
Number of Days to Update: 27	Next Scheduled EDR Contact: 08/16/2010
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 02/01/2010	Source: EPA Region 9
Date Data Arrived at EDR: 03/03/2010	Telephone: 415-972-3368
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 05/03/2010
Number of Days to Update: 40	Next Scheduled EDR Contact: 08/16/2010
	Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 02/25/2010	Source: EPA Region 8
Date Data Arrived at EDR: 02/25/2010	Telephone: 303-312-6137
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 05/03/2010
Number of Days to Update: 46	Next Scheduled EDR Contact: 08/16/2010
	Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 02/02/2010	Source: EPA Region 10
Date Data Arrived at EDR: 02/03/2010	Telephone: 206-553-2857
Date Made Active in Reports: 02/18/2010	Last EDR Contact: 05/03/2010
Number of Days to Update: 15	Next Scheduled EDR Contact: 08/16/2010
	Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 02/19/2009	Source: EPA, Region 1
Date Data Arrived at EDR: 02/19/2009	Telephone: 617-918-1313
Date Made Active in Reports: 03/16/2009	Last EDR Contact: 05/03/2010
Number of Days to Update: 25	Next Scheduled EDR Contact: 08/16/2010
	Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 02/11/2010	Source: EPA Region 5
Date Data Arrived at EDR: 02/11/2010	Telephone: 312-886-6136
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 05/03/2010
Number of Days to Update: 60	Next Scheduled EDR Contact: 08/16/2010
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 02/08/2010	Source: EPA Region 6
Date Data Arrived at EDR: 02/09/2010	Telephone: 214-665-7591
Date Made Active in Reports: 02/18/2010	Last EDR Contact: 05/03/2010
Number of Days to Update: 9	Next Scheduled EDR Contact: 08/16/2010
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/01/2008	Source: EPA Region 7
Date Data Arrived at EDR: 12/30/2008	Telephone: 913-551-7003
Date Made Active in Reports: 03/16/2009	Last EDR Contact: 05/12/2010
Number of Days to Update: 76	Next Scheduled EDR Contact: 08/16/2010
	Data Release Frequency: Varies

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010	Source: FEMA
Date Data Arrived at EDR: 02/16/2010	Telephone: 202-646-5797
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 04/19/2010
Number of Days to Update: 55	Next Scheduled EDR Contact: 08/02/2010
	Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

INST CONTROL: Institutional Control Site List

Sites that have institutional controls.

Date of Government Version: 02/15/2010	Source: Department of Ecology
Date Data Arrived at EDR: 02/16/2010	Telephone: 360-407-7170
Date Made Active in Reports: 02/24/2010	Last EDR Contact: 05/18/2010
Number of Days to Update: 8	Next Scheduled EDR Contact: 08/30/2010
	Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

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

Date of Government Version: 04/02/2008	Source: EPA, Region 1
Date Data Arrived at EDR: 04/22/2008	Telephone: 617-918-1102
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/05/2010
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/19/2010
	Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Sites

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

Date of Government Version: 04/22/2010	Source: Department of Ecology
Date Data Arrived at EDR: 04/30/2010	Telephone: 360-407-7200
Date Made Active in Reports: 05/19/2010	Last EDR Contact: 04/29/2010
Number of Days to Update: 19	Next Scheduled EDR Contact: 08/09/2010
	Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ICR: Independent Cleanup Reports

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

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

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Sites Listing

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

Date of Government Version: 04/26/2010	Source: Department of Ecology
Date Data Arrived at EDR: 04/29/2010	Telephone: 360-725-4030
Date Made Active in Reports: 05/19/2010	Last EDR Contact: 04/29/2010
Number of Days to Update: 20	Next Scheduled EDR Contact: 08/09/2010
	Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 03/02/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/23/2010	Telephone: 202-566-2777
Date Made Active in Reports: 05/17/2010	Last EDR Contact: 03/23/2010
Number of Days to Update: 55	Next Scheduled EDR Contact: 07/12/2010
	Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

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

Date of Government Version: 01/12/2009	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-972-3336
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 03/22/2010
Number of Days to Update: 137	Next Scheduled EDR Contact: 06/21/2010
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ODI: Open Dump Inventory

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

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

SWTIRE: Solid Waste Tire Facilities

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

Date of Government Version: 11/01/2005	Source: Department of Ecology
Date Data Arrived at EDR: 03/16/2006	Telephone: N/A
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 03/17/2010
Number of Days to Update: 28	Next Scheduled EDR Contact: 06/28/2010
	Data Release Frequency: Varies

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

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 05/10/2010
Number of Days to Update: 52	Next Scheduled EDR Contact: 08/23/2010
	Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 08/19/2009	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 12/29/2009	Telephone: 202-307-1000
Date Made Active in Reports: 02/10/2010	Last EDR Contact: 12/14/2009
Number of Days to Update: 43	Next Scheduled EDR Contact: 03/22/2010
	Data Release Frequency: Quarterly

ALLSITES: Facility/Site Identification System Listing

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

Date of Government Version: 05/12/2010	Source: Department of Ecology
Date Data Arrived at EDR: 05/13/2010	Telephone: 360-407-6423
Date Made Active in Reports: 05/19/2010	Last EDR Contact: 05/12/2010
Number of Days to Update: 6	Next Scheduled EDR Contact: 08/23/2010
	Data Release Frequency: Quarterly

CSCSL NFA: Confirmed and Contaminated Sites - No Further Action

The data set contains information about sites previously on the Confirmed and Suspected Contaminated Sites list that have received a No Further Action (NFA) determination. Because it is necessary to maintain historical records of sites that have been investigated and cleaned up, sites are not deleted from the database when cleanup activities are completed. Instead, a No Further Action code is entered based upon the type of NFA determination the site received.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/26/2010
Date Data Arrived at EDR: 04/29/2010
Date Made Active in Reports: 05/19/2010
Number of Days to Update: 20

Source: Department of Ecology
Telephone: 360-407-7170
Last EDR Contact: 04/29/2010
Next Scheduled EDR Contact: 08/09/2010
Data Release Frequency: Semi-Annually

CDL: Clandestine Drug Lab Contaminated Site List

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

Date of Government Version: 02/09/2009
Date Data Arrived at EDR: 03/18/2009
Date Made Active in Reports: 03/24/2009
Number of Days to Update: 6

Source: Department of Health
Telephone: 360-236-3380
Last EDR Contact: 05/18/2010
Next Scheduled EDR Contact: 08/30/2010
Data Release Frequency: Varies

HIST CDL: List of Sites Contaminated by Clandestine Drug Labs

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

Date of Government Version: 02/08/2007
Date Data Arrived at EDR: 06/26/2007
Date Made Active in Reports: 07/19/2007
Number of Days to Update: 23

Source: Department of Health
Telephone: 360-236-3381
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

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

Date of Government Version: 02/05/2010
Date Data Arrived at EDR: 02/11/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 60

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 05/03/2010
Next Scheduled EDR Contact: 08/16/2010
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

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

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 03/17/2010
Next Scheduled EDR Contact: 06/07/2010
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 12/31/2009	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 01/06/2010	Telephone: 202-366-4555
Date Made Active in Reports: 02/10/2010	Last EDR Contact: 04/07/2010
Number of Days to Update: 35	Next Scheduled EDR Contact: 07/19/2010
	Data Release Frequency: Annually

SPILLS: Reported Spills

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

Date of Government Version: 04/13/2010	Source: Department of Ecology
Date Data Arrived at EDR: 04/15/2010	Telephone: 360-407-6950
Date Made Active in Reports: 05/19/2010	Last EDR Contact: 04/13/2010
Number of Days to Update: 34	Next Scheduled EDR Contact: 06/28/2010
	Data Release Frequency: Semi-Annually

Other Ascertainable Records

RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 02/17/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/19/2010	Telephone: (206) 553-1200
Date Made Active in Reports: 05/17/2010	Last EDR Contact: 04/29/2010
Number of Days to Update: 87	Next Scheduled EDR Contact: 07/19/2010
	Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

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

Date of Government Version: 01/12/2010	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 02/09/2010	Telephone: 202-366-4595
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 05/12/2010
Number of Days to Update: 62	Next Scheduled EDR Contact: 08/23/2010
	Data Release Frequency: Varies

DOD: Department of Defense Sites

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

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 703-692-8801
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/21/2010
Number of Days to Update: 62	Next Scheduled EDR Contact: 08/02/2010
	Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

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

Date of Government Version: 12/31/2008	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 09/30/2009	Telephone: 202-528-4285
Date Made Active in Reports: 12/01/2009	Last EDR Contact: 03/18/2010
Number of Days to Update: 62	Next Scheduled EDR Contact: 06/28/2010
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 04/11/2010	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 04/19/2010	Telephone: Varies
Date Made Active in Reports: 05/17/2010	Last EDR Contact: 04/05/2010
Number of Days to Update: 28	Next Scheduled EDR Contact: 07/19/2010
	Data Release Frequency: Varies

ROD: Records Of Decision

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

Date of Government Version: 03/31/2010	Source: EPA
Date Data Arrived at EDR: 04/02/2010	Telephone: 703-416-0223
Date Made Active in Reports: 05/17/2010	Last EDR Contact: 05/07/2010
Number of Days to Update: 45	Next Scheduled EDR Contact: 06/28/2010
	Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

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

Date of Government Version: 01/05/2009	Source: Department of Energy
Date Data Arrived at EDR: 05/07/2009	Telephone: 505-845-0011
Date Made Active in Reports: 05/08/2009	Last EDR Contact: 01/21/2010
Number of Days to Update: 1	Next Scheduled EDR Contact: 06/14/2010
	Data Release Frequency: Varies

MINES: Mines Master Index File

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

Date of Government Version: 02/12/2010	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 03/10/2010	Telephone: 303-231-5959
Date Made Active in Reports: 05/17/2010	Last EDR Contact: 03/10/2010
Number of Days to Update: 68	Next Scheduled EDR Contact: 06/21/2010
	Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

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

Date of Government Version: 12/31/2008	Source: EPA
Date Data Arrived at EDR: 01/13/2010	Telephone: 202-566-0250
Date Made Active in Reports: 02/18/2010	Last EDR Contact: 03/02/2010
Number of Days to Update: 36	Next Scheduled EDR Contact: 06/14/2010
	Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2002	Source: EPA
Date Data Arrived at EDR: 04/14/2006	Telephone: 202-260-5521
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 04/21/2010
Number of Days to Update: 46	Next Scheduled EDR Contact: 07/12/2010
	Data Release Frequency: Every 4 Years

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 03/01/2010
Number of Days to Update: 25	Next Scheduled EDR Contact: 06/14/2010
	Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 03/01/2010
Number of Days to Update: 25	Next Scheduled EDR Contact: 06/14/2010
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

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

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

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

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

Date of Government Version: 12/31/2008	Source: EPA
Date Data Arrived at EDR: 01/06/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/10/2010	Last EDR Contact: 05/03/2010
Number of Days to Update: 35	Next Scheduled EDR Contact: 08/16/2010
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ICIS: Integrated Compliance Information System

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

Date of Government Version: 04/24/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/29/2010	Telephone: 202-564-5088
Date Made Active in Reports: 05/17/2010	Last EDR Contact: 03/29/2010
Number of Days to Update: 18	Next Scheduled EDR Contact: 07/12/2010
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

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

Date of Government Version: 09/01/2009	Source: EPA
Date Data Arrived at EDR: 10/21/2009	Telephone: 202-566-0500
Date Made Active in Reports: 12/01/2009	Last EDR Contact: 04/22/2010
Number of Days to Update: 41	Next Scheduled EDR Contact: 08/02/2010
	Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

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

Date of Government Version: 12/24/2009	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 12/31/2009	Telephone: 301-415-7169
Date Made Active in Reports: 02/10/2010	Last EDR Contact: 03/15/2010
Number of Days to Update: 41	Next Scheduled EDR Contact: 06/28/2010
	Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

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

Date of Government Version: 04/13/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/14/2010	Telephone: 202-343-9775
Date Made Active in Reports: 05/17/2010	Last EDR Contact: 04/14/2010
Number of Days to Update: 33	Next Scheduled EDR Contact: 07/26/2010
	Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 10/19/2009	Source: EPA
Date Data Arrived at EDR: 10/22/2009	Telephone: (206) 553-1200
Date Made Active in Reports: 12/01/2009	Last EDR Contact: 03/15/2010
Number of Days to Update: 40	Next Scheduled EDR Contact: 06/28/2010
	Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

BRS: Biennial Reporting System

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

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 02/25/2010
Date Made Active in Reports: 05/12/2010
Number of Days to Update: 76

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 02/25/2010
Next Scheduled EDR Contact: 06/07/2010
Data Release Frequency: Biennially

UIC: Underground Injection Wells Listing

A listing of underground injection wells.

Date of Government Version: 02/24/2010
Date Data Arrived at EDR: 02/25/2010
Date Made Active in Reports: 03/09/2010
Number of Days to Update: 12

Source: Department of Ecology
Telephone: 360-407-6143
Last EDR Contact: 02/25/2010
Next Scheduled EDR Contact: 06/07/2010
Data Release Frequency: Varies

WA MANIFEST: Hazardous Waste Manifest Data

Hazardous waste manifest information.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 05/13/2010
Date Made Active in Reports: 05/19/2010
Number of Days to Update: 6

Source: Department of Ecology
Telephone: N/A
Last EDR Contact: 04/22/2010
Next Scheduled EDR Contact: 08/09/2010
Data Release Frequency: Annually

DRYCLEANERS: Drycleaner List

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

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 05/13/2010
Date Made Active in Reports: 05/19/2010
Number of Days to Update: 6

Source: Department of Ecology
Telephone: 360-407-6732
Last EDR Contact: 04/22/2010
Next Scheduled EDR Contact: 08/09/2010
Data Release Frequency: Varies

NPDES: Water Quality Permit System Data

A listing of permitted wastewater facilities.

Date of Government Version: 04/19/2010
Date Data Arrived at EDR: 04/29/2010
Date Made Active in Reports: 05/19/2010
Number of Days to Update: 20

Source: Department of Ecology
Telephone: 360-407-6073
Last EDR Contact: 04/29/2010
Next Scheduled EDR Contact: 08/09/2010
Data Release Frequency: Quarterly

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

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 01/05/2010
Date Made Active in Reports: 01/15/2010
Number of Days to Update: 10

Source: Department of Ecology
Telephone: 360-407-6040
Last EDR Contact: 03/29/2010
Next Scheduled EDR Contact: 07/12/2010
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INACTIVE DRYCLEANERS: Inactive Drycleaners

A listing of inactive drycleaner facility locations.

Date of Government Version: 12/31/2009	Source: Department of Ecology
Date Data Arrived at EDR: 05/13/2010	Telephone: 360-407-6732
Date Made Active in Reports: 05/19/2010	Last EDR Contact: 04/22/2010
Number of Days to Update: 6	Next Scheduled EDR Contact: 08/09/2010
	Data Release Frequency: Annually

INDIAN RESERV: Indian Reservations

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

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 12/08/2006	Telephone: 202-208-3710
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/21/2010
Number of Days to Update: 34	Next Scheduled EDR Contact: 08/02/2010
	Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

Date of Government Version: 02/10/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/11/2010	Telephone: 615-532-8599
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 05/10/2010
Number of Days to Update: 60	Next Scheduled EDR Contact: 08/09/2010
	Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Site Listing

A listing of coal ash disposal site locations.

Date of Government Version: 06/29/2009	Source: Department of Ecology
Date Data Arrived at EDR: 07/02/2009	Telephone: 360-407-6933
Date Made Active in Reports: 07/08/2009	Last EDR Contact: 03/15/2010
Number of Days to Update: 6	Next Scheduled EDR Contact: 06/28/2010
	Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data

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

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 04/21/2010
Number of Days to Update: 76	Next Scheduled EDR Contact: 08/02/2010
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

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

Date of Government Version: 11/09/2009	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/18/2009	Telephone: N/A
Date Made Active in Reports: 02/10/2010	Last EDR Contact: 03/16/2010
Number of Days to Update: 54	Next Scheduled EDR Contact: 06/28/2010
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/2008
Date Data Arrived at EDR: 02/18/2009
Date Made Active in Reports: 05/29/2009
Number of Days to Update: 100

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/14/2010
Next Scheduled EDR Contact: 08/16/2010
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

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

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/21/2010
Next Scheduled EDR Contact: 08/02/2010
Data Release Frequency: N/A

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

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

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

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

EDR Historical Auto Stations: EDR Proprietary Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

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

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

EDR Historical Cleaners: EDR Proprietary Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COUNTY RECORDS

KING COUNTY:

Abandoned Landfill Study in King County

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

Date of Government Version: 04/30/1985

Date Data Arrived at EDR: 11/07/1994

Date Made Active in Reports: N/A

Number of Days to Update: 0

Source: Seattle-King County Department of Public Health

Telephone: 206-296-4785

Last EDR Contact: 10/21/1994

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

SEATTLE COUNTY:

Abandoned Landfill Study in the City of Seattle

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

Date of Government Version: 07/30/1984

Date Data Arrived at EDR: 11/07/1994

Date Made Active in Reports: N/A

Number of Days to Update: 0

Source: Seattle - King County Department of Public Health

Telephone: 206-296-4785

Last EDR Contact: 10/21/1994

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

SEATTLE/KING COUNTY:

Seattle - King County Abandoned Landfill Toxicity / Hazard Assessment Project

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

Date of Government Version: 12/31/1986

Date Data Arrived at EDR: 08/18/1995

Date Made Active in Reports: 09/20/1995

Number of Days to Update: 33

Source: Department of Public Health

Telephone: 206-296-4785

Last EDR Contact: 08/14/1995

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

SNOHOMISH COUNTY:

Solid Waste Sites of Record at Snohomish Health District

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

Date of Government Version: 10/01/2008

Date Data Arrived at EDR: 01/30/2009

Date Made Active in Reports: 03/24/2009

Number of Days to Update: 53

Source: Snohomish Health District

Telephone: 206-339-5250

Last EDR Contact: 03/30/2010

Next Scheduled EDR Contact: 07/12/2010

Data Release Frequency: Semi-Annually

TACOMA/PIERCE COUNTY:

Closed Landfill Survey

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/01/2002
Date Data Arrived at EDR: 03/24/2003
Date Made Active in Reports: 05/14/2003
Number of Days to Update: 51

Source: Tacoma-Pierce County Health Department
Telephone: 206-591-6500
Last EDR Contact: 03/19/2003
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

OTHER DATABASE(S)

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

CT MANIFEST: Hazardous Waste Manifest Data

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

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 08/26/2009
Date Made Active in Reports: 09/11/2009
Number of Days to Update: 16

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 03/02/2010
Next Scheduled EDR Contact: 06/07/2010
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

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

Date of Government Version: 01/04/2010
Date Data Arrived at EDR: 02/11/2010
Date Made Active in Reports: 03/17/2010
Number of Days to Update: 34

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/13/2010
Next Scheduled EDR Contact: 08/23/2010
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 12/01/2009
Date Made Active in Reports: 12/14/2009
Number of Days to Update: 13

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 02/23/2010
Next Scheduled EDR Contact: 06/07/2010
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 07/17/2009
Date Made Active in Reports: 08/10/2009
Number of Days to Update: 24

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/22/2010
Next Scheduled EDR Contact: 07/05/2010
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: PennWell Corporation
Telephone: (800) 823-6277

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

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

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

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

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

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

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

Daycare Centers: Daycare Center Listing

Source: Department of Social & Health Services

Telephone: 253-383-1735

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2009 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

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

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

NOAA NWFSC
7305 BEACH DRIVE EAST
PORT ORCHARD, WA 98366

TARGET PROPERTY COORDINATES

Latitude (North):	47.57010 - 47° 34' 12.4"
Longitude (West):	122.5541 - 122° 33' 14.8"
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	533538.6
UTM Y (Meters):	5268398.0
Elevation:	20 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	47122-E5 BREMERTON EAST, WA
Most Recent Revision:	1981

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

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

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

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

GEOCHECK[®] - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

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

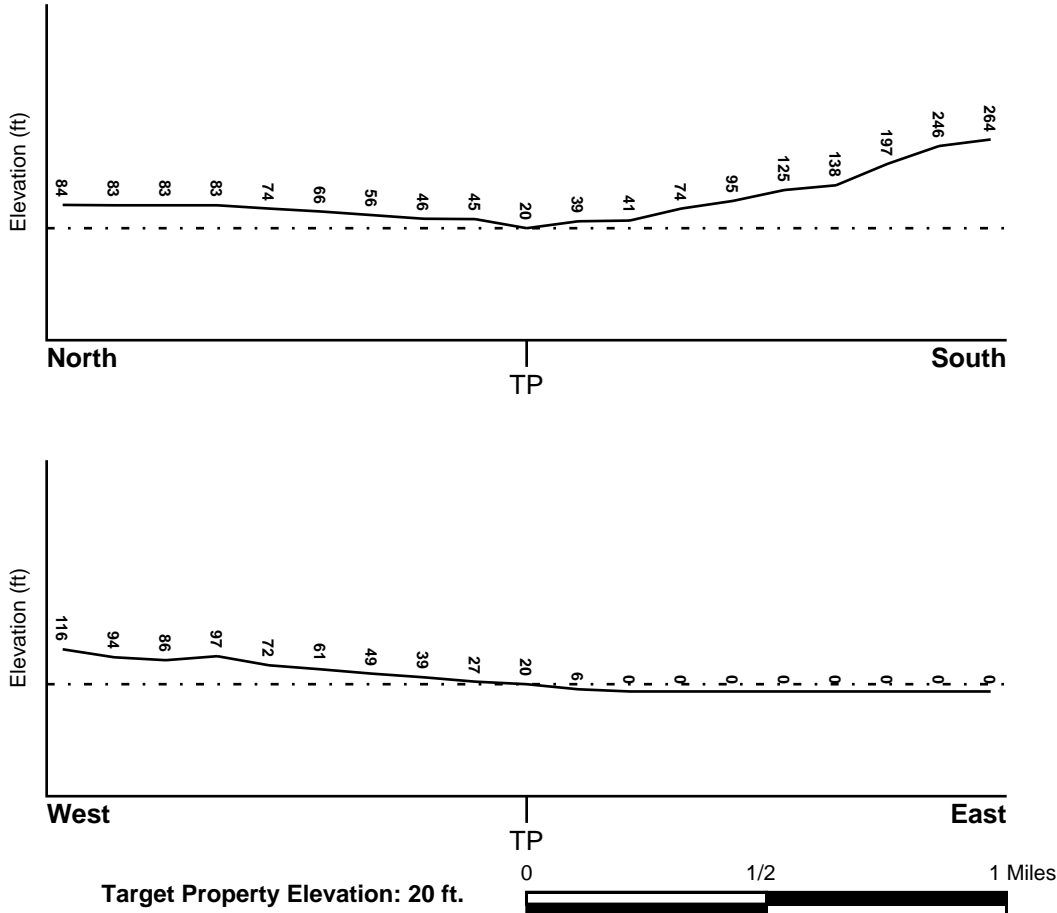
TOPOGRAPHIC INFORMATION

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

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General East

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

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

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

FEMA FLOOD ZONE

<u>Target Property County</u> KITSAP, WA	<u>FEMA Flood Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	53035C - FEMA DFIRM Flood data
Additional Panels in search area:	Not Reported

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> BREMERTON EAST	<u>NWI Electronic Data Coverage</u> YES - refer to the Overview Map and Detail Map
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HYDROGEOLOGIC INFORMATION

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

Site-Specific Hydrogeological Data:*

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

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

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

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

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

ROCK STRATIGRAPHIC UNIT

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

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

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

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

Soil Component Name: HARSTINE

Soil Surface Texture: gravelly - sandy loam

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

Soil Drainage Class: Moderately well drained. Soils have a layer of low hydraulic conductivity, wet state high in the profile. Depth to water table is 3 to 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	gravelly - sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 2.00 Min: 0.60	Max: 6.00 Min: 4.50
2	5 inches	31 inches	gravelly - sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 2.00 Min: 0.60	Max: 6.00 Min: 4.50
3	31 inches	35 inches	cemented	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: very gravelly - sandy loam
loamy sand
loam
fine sandy loam
gravelly - loamy sand

Surficial Soil Types: very gravelly - sandy loam
loamy sand
loam
fine sandy loam
gravelly - loamy sand

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: very gravelly - sand
sand
loamy sand

LOCAL / REGIONAL WATER AGENCY RECORDS

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

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

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A2	USGS3277279	0 - 1/8 Mile South
B4	USGS3277302	0 - 1/8 Mile ENE
C13	USGS3277298	1/8 - 1/4 Mile West
F15	USGS3277303	1/8 - 1/4 Mile WNW
E17	USGS3277307	1/8 - 1/4 Mile WNW
F20	USGS3277280	1/8 - 1/4 Mile WSW
25	USGS3277316	1/8 - 1/4 Mile NW
F27	USGS3277293	1/8 - 1/4 Mile West
H30	USGS3277272	1/4 - 1/2 Mile WSW
G31	USGS3277262	1/4 - 1/2 Mile WSW
32	USGS3277247	1/4 - 1/2 Mile SW
H33	USGS3277281	1/4 - 1/2 Mile WSW
H36	USGS3277288	1/4 - 1/2 Mile West
J40	USGS3277273	1/4 - 1/2 Mile WSW
K45	USGS3277313	1/4 - 1/2 Mile WNW
M46	USGS3277308	1/2 - 1 Mile West
L48	USGS3277289	1/2 - 1 Mile West
54	USGS3277304	1/2 - 1 Mile West
P57	USGS3277355	1/2 - 1 Mile NW
N60	USGS3277322	1/2 - 1 Mile WNW
S63	USGS3277387	1/2 - 1 Mile NNW
R64	USGS3277193	1/2 - 1 Mile SSW
T67	USGS3277179	1/2 - 1 Mile South
U74	USGS3277180	1/2 - 1 Mile SSW
X75	USGS3277175	1/2 - 1 Mile SSE
79	USGS3277167	1/2 - 1 Mile South
W80	USGS3277376	1/2 - 1 Mile NW
X83	USGS3277169	1/2 - 1 Mile SSE
Z87	USGS3277225	1/2 - 1 Mile SE
AA98	USGS3277197	1/2 - 1 Mile SW
AC101	USGS3277146	1/2 - 1 Mile SSW
AE103	USGS3277221	1/2 - 1 Mile SE
AG105	USGS3277309	1/2 - 1 Mile West
AF108	USGS3277428	1/2 - 1 Mile NNW
AJ115	USGS3277437	1/2 - 1 Mile NNE
AJ123	USGS3277446	1/2 - 1 Mile NNE
125	USGS3277331	1/2 - 1 Mile WNW
AL130	USGS3277140	1/2 - 1 Mile SSW
AH131	USGS3277349	1/2 - 1 Mile WNW
AN134	USGS3277141	1/2 - 1 Mile SSW
AH137	USGS3277356	1/2 - 1 Mile WNW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
AO138	USGS3277135	1/2 - 1 Mile South
AK139	USGS3277359	1/2 - 1 Mile WNW
AJ142	USGS3277456	1/2 - 1 Mile NNE
143	USGS3277345	1/2 - 1 Mile WNW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

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

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	WAK100000003501	0 - 1/8 Mile SE
A3	WAK100000003499	0 - 1/8 Mile SE
A5	WAK100000003483	0 - 1/8 Mile SE
C6	WAK100000003517	0 - 1/8 Mile West
D7	WAK100000003542	1/8 - 1/4 Mile NE
D8	WAK100000003541	1/8 - 1/4 Mile NE
B9	WAK100000003524	1/8 - 1/4 Mile ENE
C10	WAK100000003523	1/8 - 1/4 Mile WNW
C11	WAK100000003498	1/8 - 1/4 Mile WSW
E12	WAK100000003540	1/8 - 1/4 Mile NW
F14	WAK100000003511	1/8 - 1/4 Mile West
E16	WAK100000003553	1/8 - 1/4 Mile NW
F18	WAK100000003489	1/8 - 1/4 Mile WSW
G19	WAK100000003477	1/8 - 1/4 Mile WSW
F21	WA6000000013377	1/8 - 1/4 Mile WSW
F22	WA6000000013378	1/8 - 1/4 Mile WSW
G23	WAK100000003465	1/8 - 1/4 Mile SW
F24	WAK100000003497	1/8 - 1/4 Mile WSW
F26	WAK100000003500	1/8 - 1/4 Mile West
H28	WAK100000003506	1/4 - 1/2 Mile West
29	WAK100000003557	1/4 - 1/2 Mile NE
I34	WAK100000003569	1/4 - 1/2 Mile North
I35	WAK100000003570	1/4 - 1/2 Mile North
J37	WAK100000003488	1/4 - 1/2 Mile West
38	WAK100000003447	1/4 - 1/2 Mile SSW
J39	WAK100000003476	1/4 - 1/2 Mile WSW
41	WAK100000003472	1/4 - 1/2 Mile WSW
K42	WAK100000003549	1/4 - 1/2 Mile WNW
K43	WAK100000003539	1/4 - 1/2 Mile WNW
L44	WAK100000003505	1/4 - 1/2 Mile West
M47	WAK100000003531	1/2 - 1 Mile West
49	WA6000000013332	1/2 - 1 Mile SW
50	WAK100000003451	1/2 - 1 Mile WSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

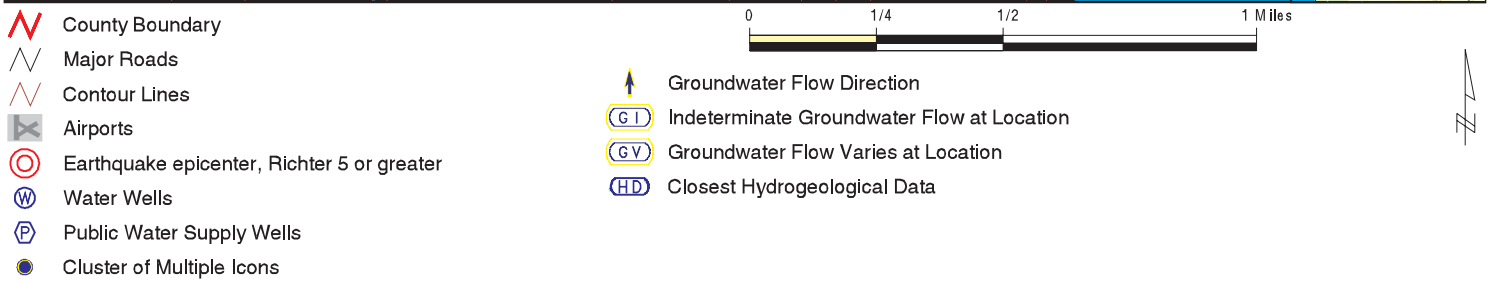
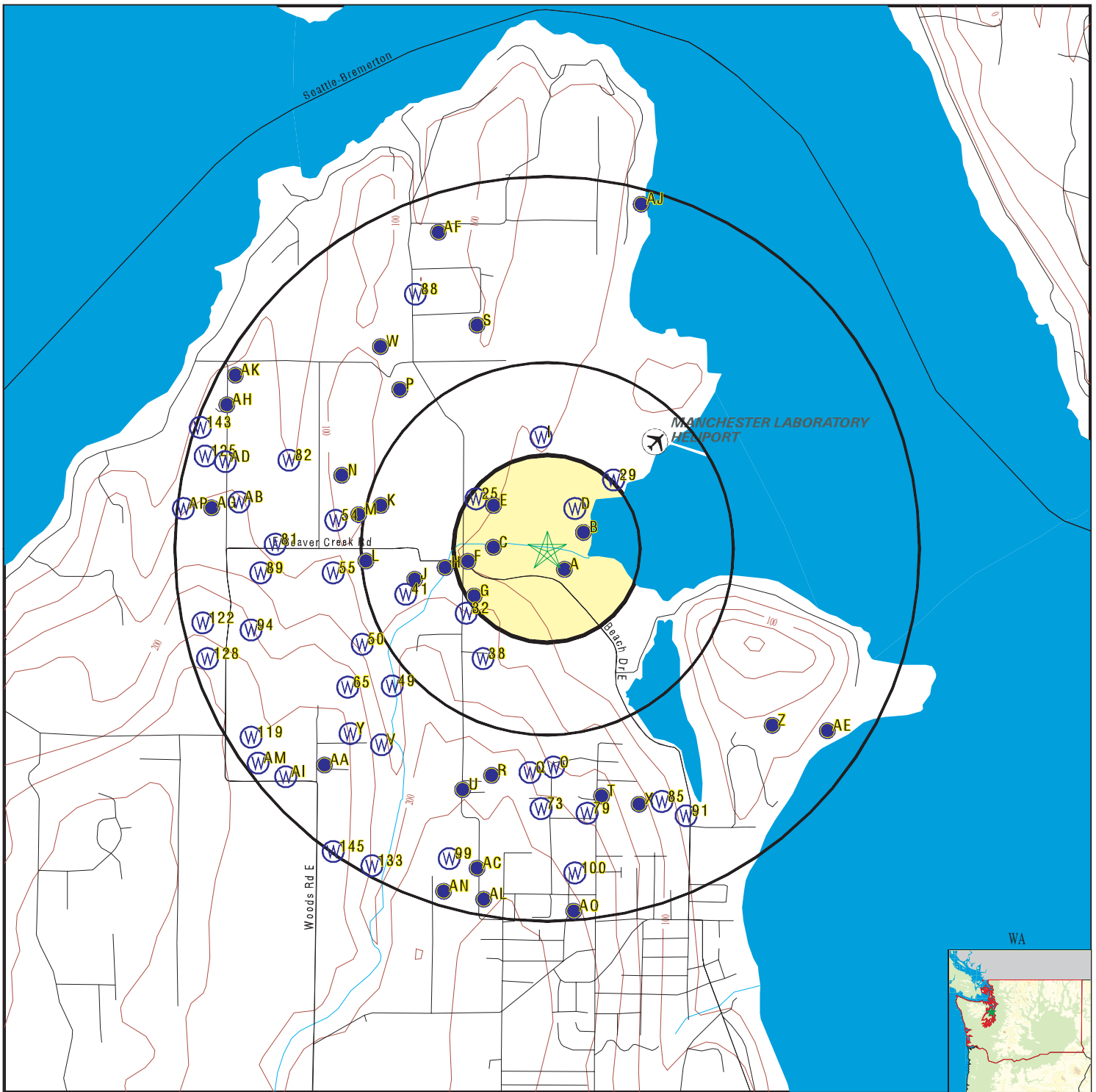
MAP ID	WELL ID	LOCATION FROM TP
N51	WAK100000003562	1/2 - 1 Mile WNW
O52	WAK100000003398	1/2 - 1 Mile South
P53	WAK100000003587	1/2 - 1 Mile NW
55	WAK100000003487	1/2 - 1 Mile West
Q56	WA6000000013287	1/2 - 1 Mile South
Q58	WA6000000013285	1/2 - 1 Mile South
O59	WAK100000003376	1/2 - 1 Mile South
R61	WAK100000003378	1/2 - 1 Mile SSW
S62	WAK100000003610	1/2 - 1 Mile NNW
65	WAK100000003438	1/2 - 1 Mile SW
T66	WAK100000003368	1/2 - 1 Mile SSE
U68	WAK100000003367	1/2 - 1 Mile SSW
V69	WA6000000013292	1/2 - 1 Mile SW
V70	WAK100000003405	1/2 - 1 Mile SW
W71	WAK100000003601	1/2 - 1 Mile NW
V72	WAK100000003400	1/2 - 1 Mile SW
73	WAK100000003351	1/2 - 1 Mile South
Y76	WAK100000003421	1/2 - 1 Mile SW
T77	WAK100000003352	1/2 - 1 Mile SSE
X78	WAK100000003363	1/2 - 1 Mile SSE
81	WAK100000003516	1/2 - 1 Mile West
82	WA6000000013406	1/2 - 1 Mile WNW
Y84	WAK100000003402	1/2 - 1 Mile SW
85	WAK100000003357	1/2 - 1 Mile SSE
X86	WAK100000003344	1/2 - 1 Mile SSE
88	WAK100000003621	1/2 - 1 Mile NNW
89	WAK100000003486	1/2 - 1 Mile West
Z90	WAK100000003422	1/2 - 1 Mile SE
91	WAK100000003347	1/2 - 1 Mile SSE
AA92	WAK100000003397	1/2 - 1 Mile SW
AA93	WAK100000003389	1/2 - 1 Mile SW
94	WAK100000003457	1/2 - 1 Mile WSW
AB95	WAK100000003551	1/2 - 1 Mile West
AB96	WAK100000003538	1/2 - 1 Mile West
AC97	WAK100000003315	1/2 - 1 Mile South
99	WAK100000003320	1/2 - 1 Mile SSW
100	WAK100000003310	1/2 - 1 Mile South
AD102	WAK100000003563	1/2 - 1 Mile WNW
AF104	WAK100000003648	1/2 - 1 Mile NNW
AE106	WAK100000003415	1/2 - 1 Mile ESE
AD107	WAK100000003567	1/2 - 1 Mile WNW
AG109	WAK100000003532	1/2 - 1 Mile West
AH110	WAK100000003582	1/2 - 1 Mile WNW
AI111	WAK100000003373	1/2 - 1 Mile SW
AG112	WAK100000003548	1/2 - 1 Mile West
AH113	WAK100000003586	1/2 - 1 Mile WNW
AI114	WA6000000013284	1/2 - 1 Mile SW
AK116	WAK100000003588	1/2 - 1 Mile WNW
AH117	WAK100000003576	1/2 - 1 Mile WNW
AL118	WAK100000003302	1/2 - 1 Mile South
119	WAK100000003411	1/2 - 1 Mile WSW
AM120	WAK100000003396	1/2 - 1 Mile SW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
AI121	WA6000000013286	1/2 - 1 Mile SW
122	WAK100000003460	1/2 - 1 Mile WSW
AL124	WAK100000003301	1/2 - 1 Mile SSW
AN126	WAK100000003306	1/2 - 1 Mile SSW
AN127	WAK100000003307	1/2 - 1 Mile SSW
128	WAK100000003446	1/2 - 1 Mile WSW
AJ129	WAK100000003659	1/2 - 1 Mile NNE
AO132	WAK100000003295	1/2 - 1 Mile South
133	WAK100000003314	1/2 - 1 Mile SSW
AJ135	WAK100000003665	1/2 - 1 Mile NNE
AL136	WAK100000003294	1/2 - 1 Mile South
AP140	WAK100000003537	1/2 - 1 Mile West
AP141	WAK100000003536	1/2 - 1 Mile West
AM144	WAK100000003379	1/2 - 1 Mile SW
145	WAK100000003325	1/2 - 1 Mile SW

PHYSICAL SETTING SOURCE MAP - 2775831.1s



SITE NAME: NOAA NWFS
 ADDRESS: 7305 Beach Drive East
 Port Orchard WA 98366
 LAT/LONG: 47.5701 / 122.5541

CLIENT: Hoefler Consulting Group
 CONTACT: Phil Barnes
 INQUIRY #: 2775831.1s
 DATE: May 21, 2010 3:53 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

A1
SE
0 - 1/8 Mile
Lower

WA WELLS WAK10000003501

Well id:	1414		
Doe site id:	AAB466		
Usgs site id:	473410122330901		
Internal project no:	Not Reported		
Local name:	US NAVY MANCHESTER FUEL DEPOT USN-3		
Local number:	24N/02E-16K02		
Water right permit no:	Not Reported		
Parcel id:	Not Reported		
Township:	24		
Range:	2		
Meridian:	E		
Section:	16		
Quarter quarter1:	NW		
Quarter quarter2:	SE		
Elevation:	25.949999999999999		
Well address:	Not Reported		
Well city:	Not Reported		
Well state:	Not Reported		
Well zip:	Not Reported		
Date entered:	6/9/1988 0:00:00		
Owner first:	Not Reported		
Owner last:	USNAVY		
Owner address1:	Not Reported		
Owner address2:	Not Reported		
Owner city:	Not Reported		
Owner state:	Not Reported		
Owner zip:	Not Reported		
WI date:	3/2/1967 0:00:00	Water level:	6
Status:	Not Reported		

Well Log Information:

Well log id:	1414	Well id:	1414
Startcard:	Not Reported	Waterright permitno:	Not Reported
Proposed use:	Not Reported	Proposed type:	Not Reported
Type of work:	Not Reported	Drilling method:	Not Reported
Diameter of well:	Not Reported	Well depth drilled:	136
Well depth completed:	136	Elevation:	Not Reported
Pumpman:	Not Reported	Pumptype:	Not Reported
Pump modelno:	Not Reported	Pump horsepower:	Not Reported
Pump intake:	0	Start construction:	01/01/1948
End construction:	Not Reported	Date entered:	06/09/1988
Fieldchecked by kpud:	0	Water temp:	0
chem anal:	0	Artpress date:	Not Reported
Art flow:	0	Artflow date:	Not Reported
Artpress:	Not Reported	Artcontrol:	Not Reported
Art elevation:	Not Reported	By whom:	Not Reported
Bailer airtest yn:	0	perf yn:	1
screens yn:	0	Gravel packyn:	0
Surface seal yn:	0	Well test yn:	0
Survey date:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Geologic Information:

Well id:	1414	Geolog id:	56592
Geolog from:	0	Geolog to:	10
Material:	SOIL		
Date entered:	02/20/1997		

Well id:	1414	Geolog id:	56593
Geolog from:	10	Geolog to:	20
Material:	SAND		
Date entered:	02/20/1997		

Well id:	1414	Geolog id:	56594
Geolog from:	20	Geolog to:	50
Material:	SAND AND GRAVEL, WATER BEARING		
Date entered:	02/20/1997		

Well id:	1414	Geolog id:	56595
Geolog from:	50	Geolog to:	60
Material:	GRAVEL, COARSE		
Date entered:	02/20/1997		

Well id:	1414	Geolog id:	56596
Geolog from:	60	Geolog to:	130
Material:	GRAVEL		
Date entered:	02/20/1997		

Well id:	1414	Geolog id:	56597
Geolog from:	130	Geolog to:	136
Material:	GRAVEL AND CLAY, HARD		
Date entered:	02/20/1997		

Casing Information:

Well id:	1414	Casing id:	1205
Casing from:	0	Casing to:	136
Casing diameter:	18	Casing thickness:	0
Casing type:	Not Reported	Date entered:	06/09/1988

Perforation Information:

Well id:	1414	Perf id:	27
Perf from:	64	Perf to:	135
Perf type:	Not Reported	Perf width:	Not Reported
Perf length:	Not Reported	Date entered:	06/09/1988

Well test Recovery Information:

Wellid:	1414	Date of test:	03/02/1967
Testtype:	1	Time:	12
Waterlevel:	0		

Well Test Yield Information:

Wellid:	1414	Date of test:	03/02/1967
Test type:	1	Time:	12
Yield:	727	Drawdown:	53.5
Date entered:	06/09/1988		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	473410122330901
Site name:	24N/02E-16K01	EDR Site id:	USGS3277279
Latitude:	473410	Dec lat:	47.56926333
Longitude:	1223310	Coor meth:	M
Dec lon:	-122.55402338	Latlong datum:	NAD27
Coor accr:	S	District:	53
Dec latlong datum:	NAD83	County:	035
State:	53	Land net:	NW SE S16 T24N R02E W
Country:	US	Map scale:	24000
Location map:	BREMERTON EAST		
Altitude:	20		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Stream channel		
Site type:	Ground-water other than Spring	Date construction:	19440101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	136	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1948-09-20
Water quality data end date:	1978-07-25	Water quality data count:	8
Ground water data begin date:	1967-02-15	Ground water data end date:	1967-02-15
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1967-02-15	6	

A3
SE
0 - 1/8 Mile
Lower

WA WELLS WAK10000003499

Well id:	5192
Doe site id:	AAB460
Usgs site id:	473313122330801
Internal project no:	Not Reported
Local name:	US NAVY MANCHESTER FUEL DEPOT USN-5
Local number:	24N/02E-16K03
Water right permit no:	Not Reported
Parcel id:	Not Reported
Township:	24
Range:	2
Meridian:	E
Section:	16
Quarter quarter1:	NW
Quarter quarter2:	SE

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Elevation: 22.91
 Well address: Not Reported
 Well city: Not Reported
 Well state: Not Reported
 Well zip: Not Reported
 Date entered: 2/22/1994 0:00:00
 Owner first: Not Reported
 Owner last: US NAVY
 Owner address1: Not Reported
 Owner address2: Not Reported
 Owner city: MANCHESTER
 Owner state: WA
 Owner zip: Not Reported
 WI date: 12/16/1988 0:00:00
 Status: Not Reported

Water level: 15.85

Well Log Information:

Well log id: 5176
 Startcard: Not Reported
 Proposed use: Domestic
 Type of work: Not Reported
 Diameter of well: 16
 Well depth completed: 130
 Pumpman: Not Reported
 Pump modelno: Not Reported
 Pump intake: 0
 End construction: 12/22/1988
 Fieldchecked by kpud: 0
 chem anal: 0
 Art flow: 0
 Artpress: Not Reported
 Art elevation: Not Reported
 Bailer airtest yn: 0
 screens yn: 1
 Surface seal yn: 1
 Survey date: Not Reported

Well id: 5192
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: Cable
 Well depth drilled: 130
 Elevation: Not Reported
 Pumptype: Not Reported
 Pump horsepower: Not Reported
 Start construction: 11/18/1988
 Date entered: 02/22/1994
 Water temp: 0
 Artpress date: Not Reported
 Artflow date: Not Reported
 Artcontrol: Not Reported
 By whom: by Driller
 perf yn: 0
 Gravel packyn: 0
 Well test yn: 1

Geologic Information:

Well id: 5192
 Geolog from: 0
 Material: BROWN SILTY SAND GRAVEL AND COBBLES
 Date entered: 02/20/1997

Geolog id: 56585
 Geolog to: 19

Well id: 5192
 Geolog from: 19
 Material: SAND GRAVEL COBBLES LITTLE WATER
 Date entered: 02/20/1997

Geolog id: 56586
 Geolog to: 22

Well id: 5192
 Geolog from: 22
 Material: GRAY SILTY GRAVEL OPEN HOLE
 Date entered: 02/20/1997

Geolog id: 56587
 Geolog to: 40

Well id: 5192
 Geolog from: 40
 Material: SANDS GRAY SILTY SAND - OPEN HOLE SOME GRAVEL
 Date entered: 02/20/1997

Geolog id: 56588
 Geolog to: 59

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id:	5192	Geolog id:	56589
Geolog from:	59	Geolog to:	126
Material:	SAND, GRAVEL, SILT WATER BEARING		
Date entered:	02/20/1997		

Well id:	5192	Geolog id:	56590
Geolog from:	126	Geolog to:	128
Material:	GRAY HARDBACK SILT		
Date entered:	02/20/1997		

Well id:	5192	Geolog id:	56591
Geolog from:	128	Geolog to:	130
Material:	BEDROCK		
Date entered:	02/20/1997		

Casing Information:			
Well id:	5192	Casing id:	4693
Casing from:	-2	Casing to:	102
Casing diameter:	16	Casing thickness:	0
Casing type:	Welded	Date entered:	02/22/1994

Screen Information:			
Well id:	5192	Screen id:	7411
Screen from:	80	Screen to:	104.8
Screen man:	JOHNSON	Screen type:	SS
Model num:	Not Reported	Screen diam:	14
Screen slotsize:	.059999999999999998	Date entered:	02/20/1997

Seal Information:			
Well id:	5192	Seal id:	3961
Seal top:	0	Seal bottom:	2.0E+001
Seal material:	Bentonite	Unusable water:	Not Reported
Water type:	Not Reported	Strata depth:	Not Reported
Seal method:	Not Reported	Date entered:	02/20/1997

Well Test Yield Information:			
Wellid:	5192	Date of test:	12/19/1988
Test type:	1	Time:	4
Yield:	360	Drawdown:	78
Date entered:	02/20/1997		

**B4
ENE
0 - 1/8 Mile
Lower**

FED USGS USGS3277302

Agency cd:	USGS	Site no:	473415122330501
Site name:	24N/02E-16G01	EDR Site id:	USGS3277302
Latitude:	473415	Dec lat:	47.57065223
Longitude:	1223305	Coor meth:	M
Dec lon:	-122.55263445	Latlong datum:	NAD27
Coor accr:	F	District:	53
Dec latlong datum:	NAD83	County:	035
State:	53	Land net:	SW NE S16 T24N R02E W
Country:	US	Map scale:	Not Reported
Location map:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude: 20
 Altitude method: Interpolated from topographic map
 Altitude accuracy: 20
 Altitude datum: National Geodetic Vertical Datum of 1929
 Hydrologic: Puget Sound. Washington. Area = 2550 sq.mi.
 Topographic: Alluvial or marine terrace
 Site type: Ground-water other than Spring Date construction: 19730101
 Date inventoried: Not Reported Mean greenwich time offset: PST
 Local standard time flag: Y
 Type of ground water site: Single well, other than collector or Ranney type
 Aquifer Type: Not Reported
 Aquifer: Not Reported
 Well depth: 90 Hole depth: Not Reported
 Source of depth data: reporting agency (generally USGS)
 Project number: Not Reported
 Real time data flag: 0 Daily flow data begin date: 0000-00-00
 Daily flow data end date: 0000-00-00 Daily flow data count: 0
 Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00
 Peak flow data count: 0 Water quality data begin date: 0000-00-00
 Water quality data end date: 0000-00-00 Water quality data count: 0
 Ground water data begin date: 1973-08-01 Ground water data end date: 1973-08-01
 Ground water data count: 1

Ground-water levels, Number of Measurements: 1

Date	Feet below	
	Surface	Sealevel

1973-08-01	17	

A5
SE
0 - 1/8 Mile
Higher

WA WELLS WAK10000003483

Well id: 13931
 Doe site id: AAB467
 Usgs site id: Not Reported
 Internal project no: Not Reported
 Local name: US NAVY MANCHESTER FUEL DEPOT
 Local number: 24N/02E-16K01
 Water right permit no: G1-24296
 Parcel id: Not Reported
 Township: 24
 Range: 2
 Meridian: E
 Section: 16
 Quarter quarter1: NW
 Quarter quarter2: SE
 Elevation: 19.800000000000001
 Well address: Not Reported
 Well city: Not Reported
 Well state: Not Reported
 Well zip: Not Reported
 Date entered: 2/20/1997 12:46:52
 Owner first: Not Reported
 Owner last: US NAVY
 Owner address1: PO BOX 8
 Owner address2: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Owner city:	MANCHESTER		
Owner state:	WA		
Owner zip:	98353		
WI date:	12/24/1982 0:00:00	Water level:	9.4000000000000004
Status:	Not Reported		

Well Log Information:

Well log id:	11182	Well id:	13931
Startcard:	Not Reported	Waterright permitno:	Not Reported
Proposed use:	Not Reported	Proposed type:	Not Reported
Type of work:	New Well	Drilling method:	Cable
Diameter of well:	12	Well depth drilled:	182
Well depth completed:	105	Elevation:	Not Reported
Pumpman:	Not Reported	Pumptype:	Not Reported
Pump modelno:	Not Reported	Pump horsepower:	Not Reported
Pump intake:	0	Start construction:	12/06/1982
End construction:	12/24/1982	Date entered:	02/20/1997
Fieldchecked by kpud:	0	Water temp:	0
chem anal:	1	Artpress date:	Not Reported
Art flow:	0	Artflow date:	Not Reported
Artpress:	Not Reported	Artcontrol:	Not Reported
Art elevation:	Not Reported	By whom:	by Driller
Bailer airtest yn:	0	perf yn:	0
screens yn:	1	Gravel packyn:	0
Surface seal yn:	1	Well test yn:	1
Survey date:	Not Reported		

Geologic Information:

Well id:	13931	Geolog id:	56616
Geolog from:	0	Geolog to:	5
Material:	BROWN SILTY SAND		
Date entered:	02/20/1997		

Well id:	13931	Geolog id:	56619
Geolog from:	5	Geolog to:	7
Material:	GRAVEL BROWN SILTY SAND GRAVEL GRAY SILTY SAND GRA		
Date entered:	02/20/1997		

Well id:	13931	Geolog id:	56620
Geolog from:	7	Geolog to:	37
Material:	FINE COBBLES		
Date entered:	02/20/1997		

Well id:	13931	Geolog id:	56621
Geolog from:	37	Geolog to:	50
Material:	SILTY SAND AND GRAVEL		
Date entered:	02/20/1997		

Well id:	13931	Geolog id:	56624
Geolog from:	50	Geolog to:	75
Material:	GRAY FINE SILTY SAND		
Date entered:	02/20/1997		

Well id:	13931	Geolog id:	56625
Geolog from:	75	Geolog to:	82
Material:	GRAY TILL		
Date entered:	02/20/1997		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id:	13931	Geolog id:	56626
Geolog from:	82	Geolog to:	101
Material:	GRAY/SAND GRAVEL LAYER OF GRAY/WATER BEARING		
Date entered:	02/20/1997		
Well id:	13931	Geolog id:	56627
Geolog from:	101	Geolog to:	116
Material:	BROWN TILL		
Date entered:	02/20/1997		
Well id:	13931	Geolog id:	56628
Geolog from:	116	Geolog to:	136
Material:	GRAY BROWN SAND AND GRAVEL		
Date entered:	02/20/1997		
Well id:	13931	Geolog id:	56629
Geolog from:	136	Geolog to:	154
Material:	GRAY SAND GRAVEL LOOSE WATER BEARING		
Date entered:	02/20/1997		
Well id:	13931	Geolog id:	56631
Geolog from:	154	Geolog to:	182
Material:	TIGHT SAND-GRAVEL SILT BROWN-WATER DROPPING		
Date entered:	02/20/1997		
Casing Information:			
Well id:	13931	Casing id:	10806
Casing from:	-2	Casing to:	93
Casing diameter:	12	Casing thickness:	Not Reported
Casing type:	Welded	Date entered:	02/20/1997
Screen Information:			
Well id:	13931	Screen id:	7414
Screen from:	90	Screen to:	100
Screen man:	JOHNSON	Screen type:	Not Reported
Model num:	Not Reported	Screen diam:	10
Screen slotsize:	.02	Date entered:	02/20/1997
Seal Information:			
Well id:	13931	Seal id:	3963
Seal top:	0	Seal bottom:	2.0E+001
Seal material:	Bentonite	Unusable water:	Not Reported
Water type:	Not Reported	Strata depth:	1.54E+002
Seal method:	CEMENT	Date entered:	02/20/1997
Well Water Rights Information:			
Well id:	13931	Description:	Application
Wnumber:	G1-24455C	Priority date:	Not Reported
Dblwrqi:	100	Dblwrqa:	69
Dblwrqas:	Not Reported		
Well Test Yield Information:			
Wellid:	13931	Date of test:	12/24/1982
Test type:	1	Time:	24
Yield:	120	Drawdown:	55
Date entered:	02/20/1997		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Water Quality Information:

Sample id:	1268	Well id:	13931
Sample id:	12/30/82	sample date:	12/30/1982
Treated YN:	0		
Comments:	COLLECTED BY ARMSTRONG DRILLING. WATER MANAGEMENT LAB#8901316		

**C6
West
0 - 1/8 Mile
Higher**

WA WELLS WAK10000003517

Well id:	1425
Doe site id:	Not Reported
Usgs site id:	473413122332404
Internal project no:	Not Reported
Local name:	Not Reported
Local number:	24N/02E-16F01
Water right permit no:	Not Reported
Parcel id:	Not Reported
Township:	24
Range:	2
Meridian:	E
Section:	16
Quarter quarter1:	SE
Quarter quarter2:	NW
Elevation:	30
Well address:	Not Reported
Well city:	Not Reported
Well state:	Not Reported
Well zip:	Not Reported
Date entered:	2/1/1988 0:00:00
Owner first:	Not Reported
Owner last:	Not Reported
Owner address1:	Not Reported
Owner address2:	Not Reported
Owner city:	Not Reported
Owner state:	Not Reported
Owner zip:	Not Reported
WI date:	Not Reported
Status:	Not Reported

Water level: 2

Well Log Information:

Well log id:	1425
Startcard:	Not Reported
Proposed use:	Not Reported
Type of work:	Not Reported
Diameter of well:	Not Reported
Well depth completed:	6
Pumpman:	Not Reported
Pump modelno:	Not Reported
Pump intake:	0
End construction:	Not Reported
Fieldchecked by kpud:	0
chem anal:	0
Art flow:	0
Artpress:	Not Reported
Art elevation:	Not Reported
Bailer airtest yn:	0
screens yn:	0
Surface seal yn:	0
Survey date:	Not Reported

Well id:	1425
Waterright permitno:	Not Reported
Proposed type:	Not Reported
Drilling method:	DUG
Well depth drilled:	Not Reported
Elevation:	Not Reported
Pumptype:	Not Reported
Pump horsepower:	Not Reported
Start construction:	Not Reported
Date entered:	02/01/1988
Water temp:	0
Artpress date:	Not Reported
Artflow date:	Not Reported
Artcontrol:	Not Reported
By whom:	Not Reported
perf yn:	0
Gravel packyn:	0
Well test yn:	0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Information:

Well id:	1425	Casing id:	1215
Casing from:	Not Reported	Casing to:	Not Reported
Casing diameter:	30	Casing thickness:	0
Casing type:	Not Reported	Date entered:	02/01/1988

**D7
NE
1/8 - 1/4 Mile
Lower**

WA WELLS WAK10000003542

Well id:	1434		
Doe site id:	Not Reported		
Usgs site id:	473418122330902		
Internal project no:	Not Reported		
Local name:	NOAA WELL 2		
Local number:	24N/02E-16G03		
Water right permit no:	Not Reported		
Parcel id:	Not Reported		
Township:	24		
Range:	2		
Meridian:	E		
Section:	16		
Quarter quarter1:	SW		
Quarter quarter2:	NE		
Elevation:	20		
Well address:	GOVT LOT 2		
Well city:	Not Reported		
Well state:	Not Reported		
Well zip:	Not Reported		
Date entered:	6/9/1988 0:00:00		
Owner first:	Not Reported		
Owner last:	US DEPT OF THE INTERIOR, BUREAU OF FISH, WILDLIFE		
Owner address1:	Not Reported		
Owner address2:	Not Reported		
Owner city:	MANCHESTER		
Owner state:	WA		
Owner zip:	Not Reported		
WI date:	8/21/1973 0:00:00	Water level:	17
Status:	Not Reported		

Well Log Information:

Well log id:	1434	Well id:	1434
Startcard:	Not Reported	Waterright permitno:	Not Reported
Proposed use:	Not Reported	Proposed type:	Not Reported
Type of work:	New Well	Drilling method:	CABLE
Diameter of well:	12	Well depth drilled:	110
Well depth completed:	90	Elevation:	Not Reported
Pumpman:	Not Reported	Pumptype:	Not Reported
Pump modelno:	Not Reported	Pump horsepower:	Not Reported
Pump intake:	0	Start construction:	08/02/1973
End construction:	09/04/1973	Date entered:	06/09/1988
Fieldchecked by kpud:	0	Water temp:	0
chem anal:	0	Artpress date:	Not Reported
Art flow:	0	Artflow date:	Not Reported
Artpress:	Not Reported	Artcontrol:	Not Reported
Art elevation:	Not Reported	By whom:	by Driller
Bailer airtest yn:	0	perf yn:	0
screens yn:	1	Gravel packyn:	0
Surface seal yn:	1	Well test yn:	1
Survey date:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Geologic Information:

Well id:	1434	Geolog id:	2318
Geolog from:	34	Geolog to:	49
Material:	SAND, GRAVEL, WATER		
Date entered:	07/14/1988		

Well id:	1434	Geolog id:	2319
Geolog from:	49	Geolog to:	60
Material:	BLUE CLAY		
Date entered:	07/14/1988		

Well id:	1434	Geolog id:	2320
Geolog from:	60	Geolog to:	70
Material:	BLUE CLAY, SILTY		
Date entered:	07/14/1988		

Well id:	1434	Geolog id:	2321
Geolog from:	70	Geolog to:	92
Material:	SAND, GRAVEL, WATER		
Date entered:	07/14/1988		

Well id:	1434	Geolog id:	2322
Geolog from:	92	Geolog to:	100
Material:	SAND, GRAVEL, SILTY CLAY		
Date entered:	07/14/1988		

Well id:	1434	Geolog id:	2323
Geolog from:	100	Geolog to:	105
Material:	SILTY SAND & GRAVEL		
Date entered:	07/14/1988		

Well id:	1434	Geolog id:	56582
Geolog from:	0	Geolog to:	34
Material:	BLUE CLAY		
Date entered:	02/19/1997		

Well id:	1434	Geolog id:	56583
Geolog from:	105	Geolog to:	110
Material:	"BEDROCK SHALE" (PROBABLY NOT-JBN)		
Date entered:	02/19/1997		

Casing Information:

Well id:	1434	Casing id:	1223
Casing from:	0	Casing to:	40
Casing diameter:	12	Casing thickness:	0
Casing type:	Welded	Date entered:	06/09/1988

Screen Information:

Well id:	1434	Screen id:	643
Screen from:	40	Screen to:	50
Screen man:	JOHNSON	Screen type:	SS
Model num:	Not Reported	Screen diam:	8
Screen slotsize:	.02	Date entered:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id:	1434	Screen id:	644
Screen from:	75	Screen to:	90
Screen man:	JOHNSON	Screen type:	SS
Model num:	Not Reported	Screen diam:	8
Screen slotsize:	.016	Date entered:	Not Reported

Seal Information:			
Well id:	1434	Seal id:	3960
Seal top:	0	Seal bottom:	2.0E+001
Seal material:	Bentonite	Unusable water:	Not Reported
Water type:	Not Reported	Strata depth:	Not Reported
Seal method:	Not Reported	Date entered:	02/19/1997

Well test Recovery Information:			
Wellid:	1434	Date of test:	08/23/1973
Testtype:	1	Time:	4
Waterlevel:	17		

Well Test Yield Information:			
Wellid:	1434	Date of test:	08/23/1973
Test type:	1	Time:	9
Yield:	50	Drawdown:	28
Date entered:	08/27/1998		

D8
NE
1/8 - 1/4 Mile
Lower

WA WELLS WAK10000003541

Well id:	1433
Doe site id:	Not Reported
Usgs site id:	473418122330901
Internal project no:	Not Reported
Local name:	NOAA WELL 1
Local number:	24N/02E-16G02
Water right permit no:	Not Reported
Parcel id:	Not Reported
Township:	24
Range:	2
Meridian:	E
Section:	16
Quarter quarter1:	SW
Quarter quarter2:	NE
Elevation:	39
Well address:	Not Reported
Well city:	Not Reported
Well state:	Not Reported
Well zip:	Not Reported
Date entered:	6/9/1988 0:00:00
Owner first:	Not Reported
Owner last:	NOAA WELL 1
Owner address1:	Not Reported
Owner address2:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Owner city:	Not Reported	Water level:	27
Owner state:	Not Reported		
Owner zip:	Not Reported		
WI date:	1/1/1972 0:00:00		
Status:	Not Reported		

Well Log Information:

Well log id:	1433	Well id:	1433
Startcard:	Not Reported	Waterright permitno:	Not Reported
Proposed use:	Not Reported	Proposed type:	Not Reported
Type of work:	Not Reported	Drilling method:	CABLE
Diameter of well:	12	Well depth drilled:	151
Well depth completed:	137	Elevation:	Not Reported
Pumpman:	Not Reported	Pumptype:	Not Reported
Pump modelno:	Not Reported	Pump horsepower:	Not Reported
Pump intake:	0	Start construction:	01/01/1972
End construction:	01/01/1972	Date entered:	06/09/1988
Fieldchecked by kpud:	0	Water temp:	0
chem anal:	0	Artpress date:	Not Reported
Art flow:	0	Artflow date:	Not Reported
Artpress:	Not Reported	Artcontrol:	Not Reported
Art elevation:	Not Reported	By whom:	by Driller
Bailer airtest yn:	0	perf yn:	0
screens yn:	1	Gravel packyn:	0
Surface seal yn:	0	Well test yn:	1
Survey date:	Not Reported		

Geologic Information:

Well id:	1433	Geolog id:	2310
Geolog from:	0	Geolog to:	4
Material:	HARDPAN & FILL		
Date entered:	07/14/1988		
Well id:	1433	Geolog id:	2311
Geolog from:	4	Geolog to:	60
Material:	GRAY CLAY- HARD & STICKY		
Date entered:	07/14/1988		
Well id:	1433	Geolog id:	2312
Geolog from:	60	Geolog to:	90
Material:	GRAY SILTY CLAY W/ WOOD CHUNKS		
Date entered:	07/14/1988		
Well id:	1433	Geolog id:	2313
Geolog from:	90	Geolog to:	108
Material:	W.B.GRAY SAND, SOME GRAVL&CLAY BALL		
Date entered:	07/14/1988		
Well id:	1433	Geolog id:	2314
Geolog from:	108	Geolog to:	126
Material:	GRAY SILTY CLAY		
Date entered:	07/14/1988		
Well id:	1433	Geolog id:	2315
Geolog from:	126	Geolog to:	129
Material:	GRAY SAND, SOME GRAVEL & CLAY BALLS		
Date entered:	07/14/1988		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id: 1433 Geolog id: 2316
 Geolog from: 129 Geolog to: 140
 Material: GRAY CLAY, SAND, STONES-W.B.
 Date entered: 07/14/1988

Well id: 1433 Geolog id: 56584
 Geolog from: 140 Geolog to: 151
 Material: GRAY STICKY CLAY & STONES
 Date entered: 02/19/1997

Casing Information:
 Well id: 1433 Casing id: 1222
 Casing from: 0 Casing to: 151
 Casing diameter: 12 Casing thickness: 0
 Casing type: Not Reported Date entered: 06/09/1988

Screen Information:
 Well id: 1433 Screen id: 640
 Screen from: 112 Screen to: 115
 Screen man: Not Reported Screen type: WIRE-WOUND
 Model num: Not Reported Screen diam: 8
 Screen slotsize: Not Reported Date entered: Not Reported

Well id: 1433 Screen id: 641
 Screen from: 122 Screen to: 137
 Screen man: Not Reported Screen type: WIRE-WOUND
 Model num: Not Reported Screen diam: 8
 Screen slotsize: Not Reported Date entered: Not Reported

Well id: 1433 Screen id: 642
 Screen from: 90 Screen to: 105
 Screen man: Not Reported Screen type: WIRE-WOUND
 Model num: Not Reported Screen diam: 8
 Screen slotsize: Not Reported Date entered: Not Reported

Well test Recovery Information:
 Wellid: 1433 Date of test: 08/01/1972
 Testtype: 1 Time: 8
 Waterlevel: 0

Well Test Yield Information:
 Wellid: 1433 Date of test: 08/01/1972
 Test type: 1 Time: 8
 Yield: 42 Drawdown: 59
 Date entered: 06/09/1988

B9
ENE
1/8 - 1/4 Mile
Lower

WA WELLS WAK10000003524

Well id: 1429
 Doe site id: Not Reported
 Usgs site id: 473415122330501
 Internal project no: Not Reported
 Local name: Not Reported
 Local number: 24N/02E-16G01
 Water right permit no: Not Reported
 Parcel id: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Township: 24
 Range: 2
 Meridian: E
 Section: 16
 Quarter quarter1: SW
 Quarter quarter2: NE
 Elevation: 20
 Well address: Not Reported
 Well city: Not Reported
 Well state: Not Reported
 Well zip: Not Reported
 Date entered: 2/1/1988 0:00:00
 Owner first: Not Reported
 Owner last: Not Reported
 Owner address1: Not Reported
 Owner address2: Not Reported
 Owner city: Not Reported
 Owner state: Not Reported
 Owner zip: Not Reported
 WI date: 8/1/1973 0:00:00
 Status: Not Reported

Water level: 17

Well Log Information:

Well log id: 1429
 Startcard: Not Reported
 Proposed use: Not Reported
 Type of work: Not Reported
 Diameter of well: Not Reported
 Well depth completed: 90
 Pumpman: Not Reported
 Pump modelno: Not Reported
 Pump intake: 0
 End construction: 01/01/1973
 Fieldchecked by kpud: 0
 chem anal: 0
 Art flow: 0
 Artpress: Not Reported
 Art elevation: Not Reported
 Bailer airtest yn: 0
 screens yn: 0
 Surface seal yn: 0
 Survey date: Not Reported

Well id: 1429
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: Not Reported
 Well depth drilled: Not Reported
 Elevation: Not Reported
 Pumptype: Not Reported
 Pump horsepower: Not Reported
 Start construction: 01/01/1973
 Date entered: 02/01/1988
 Water temp: 0
 Artpress date: Not Reported
 Artflow date: Not Reported
 Artcontrol: Not Reported
 By whom: Not Reported
 perf yn: 0
 Gravel packyn: 0
 Well test yn: 1

Casing Information:

Well id: 1429
 Casing from: Not Reported
 Casing diameter: 12
 Casing type: Not Reported

Casing id: 1218
 Casing to: Not Reported
 Casing thickness: 0
 Date entered: 02/01/1988

Well test Recovery Information:

Wellid: 1429
 Testtype: 1
 Waterlevel: 45

Date of test: 01/01/1901
 Time: 9

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Test Yield Information:

Wellid:	1429	Date of test:	01/01/1901
Test type:	1	Time:	9
Yield:	50	Drawdown:	0
Date entered:	02/01/1988		

**C10
WNW
1/8 - 1/4 Mile
Higher**

WA WELLS WAK10000003523

Well id:	1430		
Doe site id:	Not Reported		
Usgs site id:	473415122332502		
Internal project no:	Not Reported		
Local name:	Not Reported		
Local number:	24N/02E-16F02		
Water right permit no:	Not Reported		
Parcel id:	Not Reported		
Township:	24		
Range:	2		
Meridian:	E		
Section:	16		
Quarter quarter1:	SE		
Quarter quarter2:	NW		
Elevation:	70		
Well address:	Not Reported		
Well city:	Not Reported		
Well state:	Not Reported		
Well zip:	Not Reported		
Date entered:	2/1/1988 0:00:00		
Owner first:	Not Reported		
Owner last:	Not Reported		
Owner address1:	Not Reported		
Owner address2:	Not Reported		
Owner city:	Not Reported		
Owner state:	Not Reported		
Owner zip:	Not Reported		
WI date:	2/1/1967 0:00:00	Water level:	25
Status:	Not Reported		

Well Log Information:

Well log id:	1430	Well id:	1430
Startcard:	Not Reported	Waterright permitno:	Not Reported
Proposed use:	Not Reported	Proposed type:	Not Reported
Type of work:	Not Reported	Drilling method:	DUG
Diameter of well:	Not Reported	Well depth drilled:	Not Reported
Well depth completed:	40	Elevation:	Not Reported
Pumpman:	Not Reported	Pumptype:	Not Reported
Pump modelno:	Not Reported	Pump horsepower:	Not Reported
Pump intake:	0	Start construction:	01/01/1930
End construction:	01/01/1930	Date entered:	02/01/1988
Fieldchecked by kpud:	0	Water temp:	0
chem anal:	0	Artpress date:	Not Reported
Art flow:	0	Artflow date:	Not Reported
Artpress:	Not Reported	Artcontrol:	Not Reported
Art elevation:	Not Reported	By whom:	Not Reported
Bailer airstest yn:	0	perf yn:	0
screens yn:	0	Gravel packyn:	0
Surface seal yn:	0	Well test yn:	0
Survey date:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Information:

Well id:	1430	Casing id:	1219
Casing from:	Not Reported	Casing to:	Not Reported
Casing diameter:	60	Casing thickness:	0
Casing type:	Not Reported	Date entered:	02/01/1988

**C11
WSW
1/8 - 1/4 Mile
Higher**

WA WELLS WAK10000003498

Well id:	4427	Water level:	46.5
Doe site id:	AAA226		
Usgs site id:	Not Reported		
Internal project no:	Not Reported		
Local name:	ANNAPOLIS WD WATAUGA BEACH WELL 1		
Local number:	24N/02E-16L08		
Water right permit no:	Not Reported		
Parcel id:	45810060130001		
Township:	24		
Range:	2		
Meridian:	E		
Section:	16		
Quarter quarter1:	NE		
Quarter quarter2:	SW		
Elevation:	59		
Well address:	Not Reported		
Well city:	Not Reported		
Well state:	Not Reported		
Well zip:	Not Reported		
Date entered:	2/22/1994 0:00:00		
Owner first:	Not Reported		
Owner last:	WATAUGA BEACH COMMUNITY WATER CO		
Owner address1:	Not Reported		
Owner address2:	Not Reported		
Owner city:	PORT ORCHARD		
Owner state:	WA		
Owner zip:	98366		
WI date:	1/7/1954 0:00:00		
Status:	Not Reported		

Well Log Information:

Well log id:	4412	Well id:	4427
Startcard:	Not Reported	Waterright permitno:	Not Reported
Proposed use:	Domestic	Proposed type:	Not Reported
Type of work:	New Well	Drilling method:	CABLE
Diameter of well:	8	Well depth drilled:	141
Well depth completed:	141	Elevation:	Not Reported
Pumpman:	Not Reported	Pumptype:	Not Reported
Pump modelno:	Not Reported	Pump horsepower:	Not Reported
Pump intake:	0	Start construction:	12/01/1953
End construction:	01/07/1954	Date entered:	02/22/1994
Fieldchecked by kpu:	0	Water temp:	0
chem anal:	0	Artpress date:	Not Reported
Art flow:	0	Artflow date:	Not Reported
Artpress:	Not Reported	Artcontrol:	Not Reported
Art elevation:	Not Reported	By whom:	Not Reported
Bailer airstest yn:	0	perf yn:	1
screens yn:	0	Gravel packyn:	0
Surface seal yn:	0	Well test yn:	1
Survey date:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Geologic Information:

Well id:	4427	Geolog id:	8286
Geolog from:	0	Geolog to:	15
Material:	HARDPAN		
Date entered:	01/13/1994		
Well id:	4427	Geolog id:	8287
Geolog from:	15	Geolog to:	59
Material:	SANDY CLAY		
Date entered:	01/13/1994		
Well id:	4427	Geolog id:	8288
Geolog from:	59	Geolog to:	79
Material:	COARSE HARD GRAVEL		
Date entered:	01/13/1994		
Well id:	4427	Geolog id:	8289
Geolog from:	79	Geolog to:	90
Material:	LOOSE COARSE GRAVEL		
Date entered:	01/13/1994		
Well id:	4427	Geolog id:	8290
Geolog from:	90	Geolog to:	93
Material:	HARDPAN		
Date entered:	01/13/1994		
Well id:	4427	Geolog id:	8291
Geolog from:	93	Geolog to:	99
Material:	GRAVEL & SAND		
Date entered:	01/13/1994		
Well id:	4427	Geolog id:	8292
Geolog from:	99	Geolog to:	105
Material:	HARD SAND & GRAVEL		
Date entered:	01/13/1994		
Well id:	4427	Geolog id:	20016
Geolog from:	105	Geolog to:	110
Material:	LOOSE SAND & GRAVEL		
Date entered:	Not Reported		
Well id:	4427	Geolog id:	20017
Geolog from:	110	Geolog to:	137
Material:	SAND & GRAVEL		
Date entered:	Not Reported		
Well id:	4427	Geolog id:	20018
Geolog from:	137	Geolog to:	141
Material:	HARDPAN		
Date entered:	Not Reported		
Casing Information:			
Well id:	4427	Casing id:	3891
Casing from:	0	Casing to:	141
Casing diameter:	8	Casing thickness:	0
Casing type:	Not Reported	Date entered:	02/22/1994

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Perforation Information:

Well id:	4427	Perf id:	104
Perf from:	100	Perf to:	137
Perf type:	Not Reported	Perf width:	.375
Perf length:	1.5	Date entered:	01/13/1994

Well Test Yield Information:

Wellid:	4427	Date of test:	01/07/1954
Test type:	1	Time:	4
Yield:	205	Drawdown:	24.800000000000001
Date entered:	02/22/1994		

Water Quality Information:

Sample id:	1270	Well id:	4427
Sample id:	8/16/85	sample date:	08/16/1985
Treated YN:	0		
Comments:	COLLECTED BY TOM BARLET. PUBLIC HEALTH LAB#108398		

Sample id:	1271	Well id:	4427
Sample id:	6/1/86	sample date:	06/01/1986
Treated YN:	0		
Comments:	LAB UNKNOWN..		

Sample id:	3307	Well id:	4427
Sample id:	12/14/93	sample date:	12/14/1993
Treated YN:	0		
Comments:	DEPARTMENT OF HEALTH LAB#5408512		

Sample id:	3308	Well id:	4427
Sample id:	9/20/96	sample date:	09/20/1996
Treated YN:	0		
Comments:	SOUND ANALYTICAL LABS		

**E12
NW
1/8 - 1/4 Mile
Higher**

WA WELLS WAK10000003540

Well id:	1435
Doe site id:	Not Reported
Usgs site id:	473418122332403
Internal project no:	Not Reported
Local name:	Not Reported
Local number:	24N/02E-16F03
Water right permit no:	Not Reported
Parcel id:	Not Reported
Township:	24
Range:	2
Meridian:	E
Section:	16
Quarter quarter1:	SE
Quarter quarter2:	NW
Elevation:	70

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well address: Not Reported
 Well city: Not Reported
 Well state: Not Reported
 Well zip: Not Reported
 Date entered: 2/1/1988 0:00:00
 Owner first: Not Reported
 Owner last: Not Reported
 Owner address1: Not Reported
 Owner address2: Not Reported
 Owner city: Not Reported
 Owner state: Not Reported
 Owner zip: Not Reported
 WI date: 2/17/1967 0:00:00
 Status: Not Reported

Water level: 19

Well Log Information:

Well log id: 1435
 Startcard: Not Reported
 Proposed use: Not Reported
 Type of work: Not Reported
 Diameter of well: Not Reported
 Well depth completed: 64
 Pumpman: Not Reported
 Pump modelno: Not Reported
 Pump intake: 0
 End construction: 01/01/1966
 Fieldchecked by kpud: 0
 chem anal: 0
 Art flow: 0
 Artpress: Not Reported
 Art elevation: Not Reported
 Bailer airtest yn: 0
 screens yn: 1
 Surface seal yn: 0
 Survey date: Not Reported

Well id: 1435
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: CABLE
 Well depth drilled: Not Reported
 Elevation: Not Reported
 Pumptype: Not Reported
 Pump horsepower: Not Reported
 Start construction: 01/01/1966
 Date entered: 02/01/1988
 Water temp: 0
 Artpress date: Not Reported
 Artflow date: Not Reported
 Artcontrol: Not Reported
 By whom: Not Reported
 perf yn: 0
 Gravel packyn: 0
 Well test yn: 1

Casing Information:

Well id: 1435
 Casing from: Not Reported
 Casing diameter: 6
 Casing type: Not Reported

Casing id: 1224
 Casing to: Not Reported
 Casing thickness: 0
 Date entered: 02/01/1988

Screen Information:

Well id: 1435
 Screen from: 0
 Screen man: Not Reported
 Model num: Not Reported
 Screen slotsize: Not Reported

Screen id: 645
 Screen to: 59
 Screen type: Not Reported
 Screen diam: Not Reported
 Date entered: Not Reported

Well test Recovery Information:

Wellid: 1435
 Testtype: 1
 Waterlevel: 30

Date of test: 01/01/1901
 Time: .100000000000000000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Test Yield Information:

Wellid:	1435	Date of test:	01/01/1901
Test type:	1	Time:	.100000000000000001
Yield:	14	Drawdown:	0
Date entered:	02/01/1988		

**C13
West
1/8 - 1/4 Mile
Higher**

FED USGS USGS3277298

Agency cd:	USGS	Site no:	473413122332404
Site name:	24N/02E-16F04	EDR Site id:	USGS3277298
Latitude:	473413	Dec lat:	47.57009659
Longitude:	1223324	Coor meth:	M
Dec lon:	-122.55791253	Latlong datum:	NAD27
Coor accr:	S	District:	53
Dec latlong datum:	NAD83	County:	035
State:	53	Land net:	SE NW S16 T24N R02E W
Country:	US	Map scale:	Not Reported
Location map:	Not Reported		
Altitude:	30		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19670101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	6	Hole depth:	Not Reported
Source of depth data:	reporting agency (generally USGS)		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1967-02-28
Water quality data end date:	1967-03-09	Water quality data count:	2
Ground water data begin date:	1967-02-01	Ground water data end date:	1967-02-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1967-02-01	2	

**F14
West
1/8 - 1/4 Mile
Higher**

WA WELLS WAK10000003511

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id: 1422
 Doe site id: Not Reported
 Usgs site id: 473412122332905
 Internal project no: Not Reported
 Local name: Not Reported
 Local number: 24N/02E-16L06
 Water right permit no: Not Reported
 Parcel id: Not Reported
 Township: 24
 Range: 2
 Meridian: E
 Section: 16
 Quarter quarter1: NE
 Quarter quarter2: SW
 Elevation: 50
 Well address: Not Reported
 Well city: Not Reported
 Well state: Not Reported
 Well zip: Not Reported
 Date entered: 2/1/1988 0:00:00
 Owner first: Not Reported
 Owner last: Not Reported
 Owner address1: Not Reported
 Owner address2: Not Reported
 Owner city: Not Reported
 Owner state: Not Reported
 Owner zip: Not Reported
 WI date: 2/1/1967 0:00:00
 Status: Not Reported

Water level: 6

Well Log Information:

Well log id: 1422
 Startcard: Not Reported
 Proposed use: Not Reported
 Type of work: Not Reported
 Diameter of well: Not Reported
 Well depth completed: 14
 Pumpman: Not Reported
 Pump modelno: Not Reported
 Pump intake: 0
 End construction: 01/01/1942
 Fieldchecked by kpud: 0
 chem anal: 0
 Art flow: 0
 Artpress: Not Reported
 Art elevation: Not Reported
 Bailer airtest yn: 0
 screens yn: 0
 Surface seal yn: 0
 Survey date: Not Reported

Well id: 1422
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: DUG
 Well depth drilled: Not Reported
 Elevation: Not Reported
 Pumptype: Not Reported
 Pump horsepower: Not Reported
 Start construction: 01/01/1942
 Date entered: 02/01/1988
 Water temp: 0
 Artpress date: Not Reported
 Artflow date: Not Reported
 Artcontrol: Not Reported
 By whom: Not Reported
 perf yn: 0
 Gravel packyn: 0
 Well test yn: 0

Casing Information:

Well id: 1422
 Casing from: Not Reported
 Casing diameter: 36
 Casing type: Not Reported

Casing id: 1213
 Casing to: Not Reported
 Casing thickness: 0
 Date entered: 02/01/1988

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

F15
WNW
1/8 - 1/4 Mile
Higher

FED USGS USGS3277303

Agency cd:	USGS	Site no:	473415122332502
Site name:	24N/02E-16F03	EDR Site id:	USGS3277303
Latitude:	473415	Dec lat:	47.57065214
Longitude:	1223325	Coor meth:	M
Dec lon:	-122.55819034	Latlong datum:	NAD27
Coor accr:	S	District:	53
Dec latlong datum:	NAD83	County:	035
State:	53	Land net:	SE NW S16 T24N R02E W
Country:	US	Map scale:	Not Reported
Location map:	Not Reported		
Altitude:	65		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Undulating		
Site type:	Ground-water other than Spring	Date construction:	19300101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	40	Hole depth:	Not Reported
Source of depth data:	reporting agency (generally USGS)		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1967-02-01	Ground water data end date:	1967-02-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

	Feet below	Feet to
Date	Surface	Sealevel

1967-02-01	25	

E16
NW
1/8 - 1/4 Mile
Higher

WA WELLS WAK10000003553

Well id:	1444
Doe site id:	Not Reported
Usgs site id:	473420122332501
Internal project no:	Not Reported
Local name:	Not Reported
Local number:	24N/02E-16F04
Water right permit no:	Not Reported
Parcel id:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Township: 24
 Range: 2
 Meridian: E
 Section: 16
 Quarter quarter1: SE
 Quarter quarter2: NW
 Elevation: 50
 Well address: Not Reported
 Well city: Not Reported
 Well state: Not Reported
 Well zip: Not Reported
 Date entered: 2/1/1988 0:00:00
 Owner first: Not Reported
 Owner last: Not Reported
 Owner address1: Not Reported
 Owner address2: Not Reported
 Owner city: Not Reported
 Owner state: Not Reported
 Owner zip: Not Reported
 WI date: 2/1/1967 0:00:00
 Status: Not Reported

Water level: 5

Well Log Information:

Well log id: 1444
 Startcard: Not Reported
 Proposed use: Not Reported
 Type of work: Not Reported
 Diameter of well: Not Reported
 Well depth completed: 11
 Pumpman: Not Reported
 Pump modelno: Not Reported
 Pump intake: 0
 End construction: 01/01/1935
 Fieldchecked by kpud: 0
 chem anal: 0
 Art flow: 0
 Artpress: Not Reported
 Art elevation: Not Reported
 Bailer airtest yn: 0
 screens yn: 0
 Surface seal yn: 0
 Survey date: Not Reported

Well id: 1444
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: DUG
 Well depth drilled: Not Reported
 Elevation: Not Reported
 Pumptype: Not Reported
 Pump horsepower: Not Reported
 Start construction: 01/01/1935
 Date entered: 02/01/1988
 Water temp: 0
 Artpress date: Not Reported
 Artflow date: Not Reported
 Artcontrol: Not Reported
 By whom: Not Reported
 perf yn: 0
 Gravel packyn: 0
 Well test yn: 0

Casing Information:

Well id: 1444
 Casing from: Not Reported
 Casing diameter: 48
 Casing type: Not Reported

Casing id: 1231
 Casing to: Not Reported
 Casing thickness: 0
 Date entered: 02/01/1988

E17
WNW
1/8 - 1/4 Mile
Higher

FED USGS USGS3277307

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	473418122332403
Site name:	24N/02E-16F02	EDR Site id:	USGS3277307
Latitude:	473418	Dec lat:	47.57148548
Longitude:	1223324	Coor meth:	M
Dec lon:	-122.55791257	Latlong datum:	NAD27
Coor accr:	S	District:	53
Dec latlong datum:	NAD83	County:	035
State:	53	Land net:	SE NW S16 T24N R02E W
Country:	US	Map scale:	24000
Location map:	BREMERTON EAST		
Altitude:	70		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Undulating		
Site type:	Ground-water other than Spring	Date construction:	19660101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	64	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1967-02-17
Water quality data end date:	1978-07-24	Water quality data count:	2
Ground water data begin date:	1967-02-17	Ground water data end date:	1967-02-17
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1967-02-17	19	

F18
WSW
1/8 - 1/4 Mile
Higher

WA WELLS WAK10000003489

Well id:	1410
Doe site id:	Not Reported
Usgs site id:	473409122333003
Internal project no:	Not Reported
Local name:	Not Reported
Local number:	24N/02E-16L03
Water right permit no:	Not Reported
Parcel id:	Not Reported
Township:	24
Range:	2
Meridian:	E
Section:	16
Quarter quarter1:	NE
Quarter quarter2:	SW

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Elevation: 60
 Well address: Not Reported
 Well city: Not Reported
 Well state: Not Reported
 Well zip: Not Reported
 Date entered: 2/1/1988 0:00:00
 Owner first: Not Reported
 Owner last: Not Reported
 Owner address1: Not Reported
 Owner address2: Not Reported
 Owner city: Not Reported
 Owner state: Not Reported
 Owner zip: Not Reported
 WI date: Not Reported
 Status: Not Reported

Water level: 33.899999999999999

Well Log Information:

Well log id: 1410
 Startcard: Not Reported
 Proposed use: Not Reported
 Type of work: Not Reported
 Diameter of well: Not Reported
 Well depth completed: 101
 Pumpman: Not Reported
 Pump modelno: Not Reported
 Pump intake: 0
 End construction: Not Reported
 Fieldchecked by kpud: 0
 chem anal: 0
 Art flow: 0
 Artpress: Not Reported
 Art elevation: Not Reported
 Bailer airtest yn: 0
 screens yn: 1
 Surface seal yn: 0
 Survey date: Not Reported

Well id: 1410
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: CABLE
 Well depth drilled: Not Reported
 Elevation: Not Reported
 Pumptype: Not Reported
 Pump horsepower: Not Reported
 Start construction: Not Reported
 Date entered: 02/01/1988
 Water temp: 0
 Artpress date: Not Reported
 Artflow date: Not Reported
 Artcontrol: Not Reported
 By whom: Not Reported
 perf yn: 0
 Gravel packyn: 0
 Well test yn: 1

Casing Information:

Well id: 1410
 Casing from: Not Reported
 Casing diameter: 6
 Casing type: Not Reported

Casing id: 1202
 Casing to: Not Reported
 Casing thickness: 0
 Date entered: 02/01/1988

Screen Information:

Well id: 1410
 Screen from: 0
 Screen man: Not Reported
 Model num: Not Reported
 Screen slotsize: Not Reported

Screen id: 633
 Screen to: 95
 Screen type: Not Reported
 Screen diam: Not Reported
 Date entered: Not Reported

Well test Recovery Information:

Wellid: 1410
 Testtype: 1
 Waterlevel: 43

Date of test: 01/01/1901
 Time: .10000000000000001

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Test Yield Information:

Wellid:	1410	Date of test:	01/01/1901
Test type:	1	Time:	.100000000000000001
Yield:	8	Drawdown:	0
Date entered:	02/01/1988		

G19
WSW
1/8 - 1/4 Mile
Higher

WA WELLS WAK10000003477

Well id:	1402		
Doe site id:	Not Reported		
Usgs site id:	473407122332904		
Internal project no:	Not Reported		
Local name:	Not Reported		
Local number:	24N/02E-16L02		
Water right permit no:	Not Reported		
Parcel id:	Not Reported		
Township:	24		
Range:	2		
Meridian:	E		
Section:	16		
Quarter quarter1:	NE		
Quarter quarter2:	SW		
Elevation:	110		
Well address:	Not Reported		
Well city:	Not Reported		
Well state:	Not Reported		
Well zip:	Not Reported		
Date entered:	2/1/1988 0:00:00		
Owner first:	Not Reported		
Owner last:	Not Reported		
Owner address1:	Not Reported		
Owner address2:	Not Reported		
Owner city:	Not Reported		
Owner state:	Not Reported		
Owner zip:	Not Reported		
WI date:	2/1/1967 0:00:00	Water level:	47
Status:	Not Reported		

Well Log Information:

Well log id:	1402	Well id:	1402
Startcard:	Not Reported	Waterright permitno:	Not Reported
Proposed use:	Not Reported	Proposed type:	Not Reported
Type of work:	Not Reported	Drilling method:	CABLE
Diameter of well:	Not Reported	Well depth drilled:	Not Reported
Well depth completed:	83	Elevation:	Not Reported
Pumpman:	Not Reported	Pumptype:	Not Reported
Pump modelno:	Not Reported	Pump horsepower:	Not Reported
Pump intake:	0	Start construction:	01/01/1954
End construction:	01/01/1954	Date entered:	02/01/1988
Fieldchecked by kpud:	0	Water temp:	0
chem anal:	0	Artpress date:	Not Reported
Art flow:	0	Artflow date:	Not Reported
Artpress:	Not Reported	Artcontrol:	Not Reported
Art elevation:	Not Reported	By whom:	Not Reported
Bailer airtest yn:	0	perf yn:	0
screens yn:	0	Gravel packyn:	0
Surface seal yn:	0	Well test yn:	1
Survey date:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Information:

Well id:	1402	Casing id:	1198
Casing from:	Not Reported	Casing to:	Not Reported
Casing diameter:	6	Casing thickness:	0
Casing type:	Not Reported	Date entered:	02/01/1988

Well test Recovery Information:

Wellid:	1402	Date of test:	01/01/1901
Testtype:	1	Time:	.100000000000000001
Waterlevel:	55		

Well Test Yield Information:

Wellid:	1402	Date of test:	01/01/1901
Test type:	1	Time:	.100000000000000001
Yield:	6	Drawdown:	0
Date entered:	02/01/1988		

**F20
WSW
1/8 - 1/4 Mile
Higher**

FED USGS USGS3277280

Agency cd:	USGS	Site no:	473410122332601
Site name:	24N/02E-16L02	EDR Site id:	USGS3277280
Latitude:	473410	Dec lat:	47.56926325
Longitude:	1223326	Coor meth:	M
Dec lon:	-122.55846809	Latlong datum:	NAD27
Coor accr:	F	District:	53
Dec latlong datum:	NAD83	County:	035
State:	53	Land net:	NE SW S16 T24N R02E W
Country:	US	Map scale:	24000
Location map:	BREMERTON EAST		
Altitude:	55		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19540107
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	141	Hole depth:	141
Source of depth data:	reporting agency (generally USGS)		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1967-02-14
Water quality data end date:	1978-07-24	Water quality data count:	4
Ground water data begin date:	1976-04-01	Ground water data end date:	1976-04-01
Ground water data count:	1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1976-04-01		49

F21
WSW
1/8 - 1/4 Mile
Higher

WA WELLS WA6000000013377

Objectid:	18186	Pwssrcid:	0260021
Oid :	2248	Pwsid:	02600
Srctype:	21	Systemname:	ANNAPOLIS WATER DISTRICT
Systemgrp:	A	Systemtype:	Comm
Region:	Southwest	County:	KITSAP
Srctype:	WB #935004 S01 AAA226	Srctype:	Ground Water - Well
Srcuse:	Permanent		
Longitude:	-122.55874		
Latitude:	47.56935		
Locmethod:	GPS	Srctype:	Moderate
Dayphone:	(360) 876-2545	Addr1:	Not Reported
Addr2:	2924 LUND AVE SE	City:	PORT ORCHARD
State:	WA	Zip:	98366
Emailaddr:	Not Reported	Site id:	WA6000000013377

F22
WSW
1/8 - 1/4 Mile
Higher

WA WELLS WA6000000013378

Objectid:	18187	Pwssrcid:	0260022
Oid :	2249	Pwsid:	02600
Srctype:	22	Systemname:	ANNAPOLIS WATER DISTRICT
Systemgrp:	A	Systemtype:	Comm
Region:	Southwest	County:	KITSAP
Srctype:	WB #935004 S02 AAA210	Srctype:	Ground Water - Well
Srcuse:	Permanent		
Longitude:	-122.55874		
Latitude:	47.56935		
Locmethod:	GPS	Srctype:	Moderate
Dayphone:	(360) 876-2545	Addr1:	Not Reported
Addr2:	2924 LUND AVE SE	City:	PORT ORCHARD
State:	WA	Zip:	98366
Emailaddr:	Not Reported	Site id:	WA6000000013378

G23
SW
1/8 - 1/4 Mile
Higher

WA WELLS WAK100000003465

Well id:	1397
Doe site id:	Not Reported
Usgs site id:	473404122332701
Internal project no:	Not Reported
Local name:	Not Reported
Local number:	24N/02E-16L01
Water right permit no:	Not Reported
Parcel id:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Township: 24
 Range: 2
 Meridian: E
 Section: 16
 Quarter quarter1: NE
 Quarter quarter2: SW
 Elevation: 100
 Well address: Not Reported
 Well city: Not Reported
 Well state: Not Reported
 Well zip: Not Reported
 Date entered: 2/1/1988 0:00:00
 Owner first: Not Reported
 Owner last: Not Reported
 Owner address1: Not Reported
 Owner address2: Not Reported
 Owner city: Not Reported
 Owner state: Not Reported
 Owner zip: Not Reported
 WI date: 4/1/1974 0:00:00
 Status: Not Reported

Water level: 77

Well Log Information:

Well log id: 1397
 Startcard: Not Reported
 Proposed use: Not Reported
 Type of work: Not Reported
 Diameter of well: Not Reported
 Well depth completed: 155
 Pumpman: Not Reported
 Pump modelno: Not Reported
 Pump intake: 0
 End construction: 01/01/1974
 Fieldchecked by kpud: 0
 chem anal: 0
 Art flow: 0
 Artpress: Not Reported
 Art elevation: Not Reported
 Bailer airtest yn: 0
 screens yn: 1
 Surface seal yn: 0
 Survey date: Not Reported

Well id: 1397
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: CABLE
 Well depth drilled: Not Reported
 Elevation: Not Reported
 Pumptype: Not Reported
 Pump horsepower: Not Reported
 Start construction: 01/01/1974
 Date entered: 02/01/1988
 Water temp: 0
 Artpress date: Not Reported
 Artflow date: Not Reported
 Artcontrol: Not Reported
 By whom: Not Reported
 perf yn: 0
 Gravel packyn: 0
 Well test yn: 1

Casing Information:

Well id: 1397
 Casing from: Not Reported
 Casing diameter: 6
 Casing type: Not Reported

Casing id: 1196
 Casing to: Not Reported
 Casing thickness: 0
 Date entered: 02/01/1988

Screen Information:

Well id: 1397
 Screen from: 0
 Screen man: Not Reported
 Model num: Not Reported
 Screen slotsize: Not Reported

Screen id: 631
 Screen to: 150
 Screen type: Not Reported
 Screen diam: Not Reported
 Date entered: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well test Recovery Information:

Wellid:	1397	Date of test:	01/01/1901
Testtype:	1	Time:	4
Waterlevel:	89		

Well Test Yield Information:

Wellid:	1397	Date of test:	01/01/1901
Test type:	1	Time:	4
Yield:	10	Drawdown:	0
Date entered:	02/01/1988		

**F24
WSW
1/8 - 1/4 Mile
Higher**

WA WELLS WAK10000003497

Well id:	1415
Doe site id:	Not Reported
Usgs site id:	473410122333202
Internal project no:	Not Reported
Local name:	Not Reported
Local number:	24N/02E-16L04
Water right permit no:	Not Reported
Parcel id:	Not Reported
Township:	24
Range:	2
Meridian:	E
Section:	16
Quarter quarter1:	NE
Quarter quarter2:	SW
Elevation:	100
Well address:	Not Reported
Well city:	Not Reported
Well state:	Not Reported
Well zip:	Not Reported
Date entered:	2/1/1988 0:00:00
Owner first:	Not Reported
Owner last:	Not Reported
Owner address1:	Not Reported
Owner address2:	Not Reported
Owner city:	Not Reported
Owner state:	Not Reported
Owner zip:	Not Reported
WI date:	Not Reported
Status:	Not Reported

Water level: 26

Well Log Information:

Well log id:	1415
Startcard:	Not Reported
Proposed use:	Not Reported
Type of work:	Not Reported
Diameter of well:	Not Reported
Well depth completed:	35
Pumpman:	Not Reported
Pump modelno:	Not Reported
Pump intake:	0
End construction:	Not Reported

Well id:	1415
Waterright permitno:	Not Reported
Proposed type:	Not Reported
Drilling method:	DUG
Well depth drilled:	Not Reported
Elevation:	Not Reported
Pumptype:	Not Reported
Pump horsepower:	Not Reported
Start construction:	Not Reported
Date entered:	02/01/1988

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Fieldchecked by kpud:	0	Water temp:	0
chem anal:	0	Artpress date:	Not Reported
Art flow:	0	Artflow date:	Not Reported
Artpress:	Not Reported	Artcontrol:	Not Reported
Art elevation:	Not Reported	By whom:	Not Reported
Bailer airtest yn:	0	perf yn:	0
screens yn:	0	Gravel packyn:	0
Surface seal yn:	0	Well test yn:	0
Survey date:	Not Reported		

Casing Information:

Well id:	1415	Casing id:	1206
Casing from:	Not Reported	Casing to:	Not Reported
Casing diameter:	48	Casing thickness:	0
Casing type:	Not Reported	Date entered:	02/01/1988

**25
NW
1/8 - 1/4 Mile
Higher**

FED USGS USGS3277316

Agency cd:	USGS	Site no:	473420122332501
Site name:	24N/02E-16F01	EDR Site id:	USGS3277316
Latitude:	473420	Dec lat:	47.57204103
Longitude:	1223325	Coor meth:	M
Dec lon:	-122.55819038	Latlong datum:	NAD27
Coor accr:	S	District:	53
Dec latlong datum:	NAD83	County:	035
State:	53	Land net:	SE NW S16 T24N R02E W
Country:	US	Map scale:	Not Reported
Location map:	Not Reported		
Altitude:	50		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19350101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	11	Hole depth:	Not Reported
Source of depth data:	reporting agency (generally USGS)		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1967-02-01	Ground water data end date:	1967-02-01
Ground water data count:	1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1967-02-01	5	

F26
West
1/8 - 1/4 Mile
Higher

WA WELLS WAK10000003500

Well id:	4382		
Doe site id:	AAA120		
Usgs site id:	Not Reported		
Internal project no:	Not Reported		
Local name:	ANNAPOLIS WD WATAUGA BEACH WELL 2		
Local number:	24N/02E-16L07		
Water right permit no:	Not Reported		
Parcel id:	4581-006-013-0001		
Township:	24		
Range:	2		
Meridian:	E		
Section:	16		
Quarter quarter1:	NE		
Quarter quarter2:	SW		
Elevation:	65		
Well address:	Not Reported		
Well city:	Not Reported		
Well state:	Not Reported		
Well zip:	Not Reported		
Date entered:	2/22/1994 0:00:00		
Owner first:	Not Reported		
Owner last:	WATAUGA BEACH		
Owner address1:	5610 WATAUGA BEACH E		
Owner address2:	Not Reported		
Owner city:	PORT ORCHARD		
Owner state:	WA		
Owner zip:	98366		
WI date:	5/9/1988 0:00:00	Water level:	61
Status:	Not Reported		

Well Log Information:

Well log id:	4367	Well id:	4382
Startcard:	014667	Waterright permitno:	Not Reported
Proposed use:	Domestic	Proposed type:	Not Reported
Type of work:	New Well	Drilling method:	CABLE
Diameter of well:	6	Well depth drilled:	138
Well depth completed:	138	Elevation:	Not Reported
Pumpman:	Not Reported	Pumptype:	Not Reported
Pump modelno:	Not Reported	Pump horsepower:	Not Reported
Pump intake:	0	Start construction:	04/28/1988
End construction:	05/09/1988	Date entered:	02/22/1994
Fieldchecked by kpud:	0	Water temp:	0
chem anal:	0	Artpress date:	Not Reported
Art flow:	0	Artflow date:	Not Reported
Artpress:	Not Reported	Artcontrol:	Not Reported
Art elevation:	Not Reported	By whom:	Not Reported
Bailer airstest yn:	0	perf yn:	0
screens yn:	1	Gravel packyn:	0
Surface seal yn:	1	Well test yn:	0
Survey date:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Geologic Information:

Well id:	4382	Geolog id:	19904
Geolog from:	129	Geolog to:	131
Material:	BROWN SAND, SOME GRAVEL, WATER		
Date entered:	Not Reported		

Well id:	4382	Geolog id:	19905
Geolog from:	131	Geolog to:	132
Material:	GRAY SAND, GRAVEL, WATER		
Date entered:	Not Reported		

Well id:	4382	Geolog id:	19906
Geolog from:	132	Geolog to:	138
Material:	GRAY SAND, SOME GRAVEL, WATER		
Date entered:	Not Reported		

Well id:	4382	Geolog id:	8037
Geolog from:	0	Geolog to:	2
Material:	BROWN CLAY		
Date entered:	01/13/1994		

Well id:	4382	Geolog id:	8038
Geolog from:	2	Geolog to:	10
Material:	GRAY SAND, GRAVEL, CLAY		
Date entered:	01/13/1994		

Well id:	4382	Geolog id:	8039
Geolog from:	10	Geolog to:	16
Material:	BROWN SAND, GRAVEL		
Date entered:	01/13/1994		

Well id:	4382	Geolog id:	8040
Geolog from:	16	Geolog to:	76
Material:	GRAY CLAY, STREAKS SAND		
Date entered:	01/13/1994		

Well id:	4382	Geolog id:	8041
Geolog from:	76	Geolog to:	110
Material:	BLUE SAND, GRAVEL, WATER		
Date entered:	01/13/1994		

Well id:	4382	Geolog id:	8042
Geolog from:	110	Geolog to:	124
Material:	BROWN SAND, GRAVEL, WATER		
Date entered:	01/13/1994		

Well id:	4382	Geolog id:	8043
Geolog from:	124	Geolog to:	129
Material:	GRAY GRAVEL, SAND, WATER		
Date entered:	01/13/1994		

Casing Information:

Well id:	4382	Casing id:	3844
Casing from:	0	Casing to:	117
Casing diameter:	6	Casing thickness:	0
Casing type:	Welded	Date entered:	02/22/1994

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Screen Information:

Well id:	4382	Screen id:	7415
Screen from:	118	Screen to:	122.8
Screen man:	JOHNSON	Screen type:	SS
Model num:	Not Reported	Screen diam:	Not Reported
Screen slotsize:	.040000000000000001	Date entered:	02/20/1997

Well id:	4382	Screen id:	7416
Screen from:	113	Screen to:	128.09999999999999
Screen man:	JOHNSON	Screen type:	SS
Model num:	Not Reported	Screen diam:	Not Reported
Screen slotsize:	.040000000000000001	Date entered:	02/20/1997

Well id:	4382	Screen id:	7417
Screen from:	128	Screen to:	133.5
Screen man:	JOHNSON	Screen type:	SS
Model num:	Not Reported	Screen diam:	Not Reported
Screen slotsize:	.02	Date entered:	02/20/1997

Seal Information:

Well id:	4382	Seal id:	1695
Seal top:	0	Seal bottom:	1.8E+001
Seal material:	BENTONITE	Unusable water:	Not Reported
Water type:	Not Reported	Strata depth:	0
Seal method:	Not Reported	Date entered:	02/22/1994

Waterlevel Information:

Wellid:	4382	Wlid:	2741
Wldate:	11/21/1990	Waterlevel:	82.9000015
Status:	Not Reported	Method:	V
Accuracy:	2	Installflag:	0
Artpress:	Not Reported	Artdate:	Not Reported
Artcontrol:	Not Reported	Elevation:	65
Stickup:	.790000000000000625		
Remark:	Not Reported		

Wellid:	4382	Wlid:	2742
Wldate:	01/31/1991	Waterlevel:	74.6100006
Status:	Not Reported	Method:	V
Accuracy:	2	Installflag:	0
Artpress:	Not Reported	Artdate:	Not Reported
Artcontrol:	Not Reported	Elevation:	65
Stickup:	.790000000000000625		
Remark:	Not Reported		

Wellid:	4382	Wlid:	2743
Wldate:	02/28/1991	Waterlevel:	70.5899963
Status:	Not Reported	Method:	V
Accuracy:	2	Installflag:	0
Artpress:	Not Reported	Artdate:	Not Reported
Artcontrol:	Not Reported	Elevation:	65
Stickup:	.790000000000000625		
Remark:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Wellid: 4382
 Wldate: 04/22/1991
 Status: Not Reported
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .79000000000000625
 Remark: Not Reported

Wlid: 2744
 Waterlevel: 69.4000015
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

Wellid: 4382
 Wldate: 06/05/1991
 Status: Not Reported
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .79000000000000625
 Remark: Not Reported

Wlid: 2745
 Waterlevel: 73.8799973
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

Wellid: 4382
 Wldate: 07/01/1991
 Status: Not Reported
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .79000000000000625
 Remark: Not Reported

Wlid: 2746
 Waterlevel: 79.9499969
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

Wellid: 4382
 Wldate: 07/31/1991
 Status: P
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .79000000000000625
 Remark: Not Reported

Wlid: 2747
 Waterlevel: 104.099998
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

Wellid: 4382
 Wldate: 08/19/1991
 Status: P
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .79000000000000625
 Remark: Not Reported

Wlid: 2748
 Waterlevel: 108
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

Wellid: 4382
 Wldate: 08/29/1991
 Status: P
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .79000000000000625
 Remark: Not Reported

Wlid: 2749
 Waterlevel: 105.790001
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Wellid: 4382
 Wldate: 09/11/1991
 Status: Not Reported
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .79000000000000625
 Remark: Not Reported

Wlid: 2750
 Waterlevel: 95.5
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

Wellid: 4382
 Wldate: 11/04/1991
 Status: Not Reported
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .79000000000000625
 Remark: Not Reported

Wlid: 2751
 Waterlevel: 84.0500031
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

Wellid: 4382
 Wldate: 12/04/1991
 Status: Not Reported
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .79000000000000625
 Remark: Not Reported

Wlid: 2752
 Waterlevel: 81.2300034
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

Wellid: 4382
 Wldate: 01/13/1992
 Status: Not Reported
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .79000000000000625
 Remark: Not Reported

Wlid: 2753
 Waterlevel: 78.7099991
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

Wellid: 4382
 Wldate: 02/10/1992
 Status: Not Reported
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .79000000000000625
 Remark: Not Reported

Wlid: 2754
 Waterlevel: 76.4300003
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

Wellid: 4382
 Wldate: 03/18/1992
 Status: Not Reported
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .79000000000000625
 Remark: Not Reported

Wlid: 2755
 Waterlevel: 73.6500015
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Wellid:	4382	Wlid:	2756
Wldate:	04/21/1992	Waterlevel:	78.1100006
Status:	Not Reported	Method:	V
Accuracy:	2	Installflag:	0
Artpress:	Not Reported	Artdate:	Not Reported
Artcontrol:	Not Reported	Elevation:	65
Stickup:	.79000000000000625		
Remark:	ADDITIONAL DATA AVAILABLE FROM AQUIFER TESTING OF 4/92 FUEL DEPOT WELL 4		

Wellid:	4382	Wlid:	2757
Wldate:	06/04/1992	Waterlevel:	87.4300003
Status:	Not Reported	Method:	V
Accuracy:	2	Installflag:	0
Artpress:	Not Reported	Artdate:	Not Reported
Artcontrol:	Not Reported	Elevation:	65
Stickup:	.79000000000000625		
Remark:	Not Reported		

Wellid:	4382	Wlid:	2758
Wldate:	07/07/1992	Waterlevel:	73.7699966
Status:	Not Reported	Method:	V
Accuracy:	2	Installflag:	0
Artpress:	Not Reported	Artdate:	Not Reported
Artcontrol:	Not Reported	Elevation:	65
Stickup:	.79000000000000625		
Remark:	Not Reported		

Wellid:	4382	Wlid:	2759
Wldate:	10/30/1992	Waterlevel:	68.1999969
Status:	Not Reported	Method:	V
Accuracy:	2	Installflag:	0
Artpress:	Not Reported	Artdate:	Not Reported
Artcontrol:	Not Reported	Elevation:	65
Stickup:	.79000000000000625		
Remark:	Not Reported		

Wellid:	4382	Wlid:	2760
Wldate:	02/02/1993	Waterlevel:	73.3199997
Status:	Not Reported	Method:	V
Accuracy:	2	Installflag:	0
Artpress:	Not Reported	Artdate:	Not Reported
Artcontrol:	Not Reported	Elevation:	65
Stickup:	.79000000000000625		
Remark:	Not Reported		

Wellid:	4382	Wlid:	2761
Wldate:	02/09/1993	Waterlevel:	74
Status:	Not Reported	Method:	V
Accuracy:	2	Installflag:	0
Artpress:	Not Reported	Artdate:	Not Reported
Artcontrol:	Not Reported	Elevation:	65
Stickup:	.79000000000000625		
Remark:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Wellid: 4382
 Wldate: 02/22/1993
 Status: Not Reported
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .79000000000000625
 Remark: Not Reported

Wlid: 2762
 Waterlevel: 73.1399994
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

Wellid: 4382
 Wldate: 03/22/1993
 Status: Not Reported
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .7899999999999915
 Remark: Not Reported

Wlid: 2763
 Waterlevel: 62.0699997
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

Wellid: 4382
 Wldate: 04/19/1993
 Status: Not Reported
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .7899999999999915
 Remark: Not Reported

Wlid: 2764
 Waterlevel: 62.0200005
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

Wellid: 4382
 Wldate: 05/25/1993
 Status: Not Reported
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .7899999999999915
 Remark: Not Reported

Wlid: 2765
 Waterlevel: 62.8899994
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

Wellid: 4382
 Wldate: 06/29/1993
 Status: Not Reported
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .7899999999999915
 Remark: Not Reported

Wlid: 2766
 Waterlevel: 63.0800018
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

Wellid: 4382
 Wldate: 07/28/1993
 Status: Not Reported
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .7899999999999915
 Remark: Not Reported

Wlid: 2767
 Waterlevel: 61.9599991
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Wellid: 4382
 Wldate: 09/02/1993
 Status: Not Reported
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .79000000000000625
 Remark: Not Reported

Wlid: 2768
 Waterlevel: 65.5599976
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

Wellid: 4382
 Wldate: 09/30/1993
 Status: Not Reported
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .79000000000000625
 Remark: Not Reported

Wlid: 2769
 Waterlevel: 65.6299973
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

Wellid: 4382
 Wldate: 11/02/1993
 Status: Not Reported
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .78999999999999915
 Remark: Not Reported

Wlid: 2770
 Waterlevel: 62.3400002
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

Wellid: 4382
 Wldate: 12/16/1993
 Status: Not Reported
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .78999999999999915
 Remark: Not Reported

Wlid: 2771
 Waterlevel: 61.5999985
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

Wellid: 4382
 Wldate: 01/21/1994
 Status: Not Reported
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .78999999999999915
 Remark: Not Reported

Wlid: 2772
 Waterlevel: 62.1100006
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

Wellid: 4382
 Wldate: 02/23/1994
 Status: Not Reported
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .79000000000000625
 Remark: Not Reported

Wlid: 2773
 Waterlevel: 69.6900024
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Wellid: 4382
 Wldate: 03/22/1994
 Status: P
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .79000000000000625
 Remark: Not Reported

Wlid: 2774
 Waterlevel: 67.9300003
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

Wellid: 4382
 Wldate: 04/26/1994
 Status: Not Reported
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .7899999999999915
 Remark: Not Reported

Wlid: 2775
 Waterlevel: 59.6800003
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

Wellid: 4382
 Wldate: 05/24/1994
 Status: Not Reported
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .79000000000000625
 Remark: Not Reported

Wlid: 2776
 Waterlevel: 65.7099991
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

Wellid: 4382
 Wldate: 07/20/1994
 Status: Not Reported
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .79000000000000625
 Remark: Not Reported

Wlid: 2777
 Waterlevel: 75.1800003
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

Wellid: 4382
 Wldate: 08/17/1994
 Status: Not Reported
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .79000000000000625
 Remark: Not Reported

Wlid: 2778
 Waterlevel: 77.4199982
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

Wellid: 4382
 Wldate: 09/19/1994
 Status: Not Reported
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .79000000000000625
 Remark: Not Reported

Wlid: 2779
 Waterlevel: 73.75
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Wellid: 4382
 Wldate: 10/27/1994
 Status: Not Reported
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .79000000000000625
 Remark: Not Reported

Wlid: 2780
 Waterlevel: 68.7300034
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

Wellid: 4382
 Wldate: 11/07/1994
 Status: P
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .79000000000000625
 Remark: PUMPING

Wlid: 2781
 Waterlevel: 78.7200012
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

Wellid: 4382
 Wldate: 12/21/1994
 Status: Not Reported
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .78999999999999915
 Remark: Not Reported

Wlid: 2782
 Waterlevel: 63.4500008
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

Wellid: 4382
 Wldate: 01/17/1995
 Status: Not Reported
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .79000000000000625
 Remark: Not Reported

Wlid: 2783
 Waterlevel: 69.9199982
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

Wellid: 4382
 Wldate: 02/22/1995
 Status: Not Reported
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .78999999999999915
 Remark: Not Reported

Wlid: 2784
 Waterlevel: 59.4000015
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

Wellid: 4382
 Wldate: 03/13/1995
 Status: Not Reported
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .78999999999999915
 Remark: Not Reported

Wlid: 2785
 Waterlevel: 58.5800018
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Wellid: 4382
 Wldate: 04/25/1995
 Status: Not Reported
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .7899999999999915
 Remark: Not Reported

Wlid: 2786
 Waterlevel: 60
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

Wellid: 4382
 Wldate: 05/22/1995
 Status: Not Reported
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .79000000000000625
 Remark: Not Reported

Wlid: 2787
 Waterlevel: 65.3399963
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

Wellid: 4382
 Wldate: 06/19/1995
 Status: Not Reported
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .79000000000000625
 Remark: Not Reported

Wlid: 2788
 Waterlevel: 72.3799973
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

Wellid: 4382
 Wldate: 07/10/1995
 Status: Not Reported
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .79000000000000625
 Remark: Not Reported

Wlid: 2789
 Waterlevel: 77.8499985
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

Wellid: 4382
 Wldate: 08/21/1995
 Status: Not Reported
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .79000000000000625
 Remark: Not Reported

Wlid: 2790
 Waterlevel: 73.6500015
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

Wellid: 4382
 Wldate: 09/22/1995
 Status: Not Reported
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .79000000000000625
 Remark: Not Reported

Wlid: 2791
 Waterlevel: 73.5500031
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Wellid: 4382
 Wldate: 10/16/1995
 Status: Not Reported
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .79000000000000625
 Remark: Not Reported

Wlid: 2792
 Waterlevel: 69.9499969
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

Wellid: 4382
 Wldate: 11/14/1995
 Status: Not Reported
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .79000000000000625
 Remark: Not Reported

Wlid: 2793
 Waterlevel: 66.2699966
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

Wellid: 4382
 Wldate: 12/18/1995
 Status: Not Reported
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .79000000000000625
 Remark: Not Reported

Wlid: 2794
 Waterlevel: 65.5999985
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

Wellid: 4382
 Wldate: 01/22/1996
 Status: Not Reported
 Accuracy: 2
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .78999999999999915
 Remark: Not Reported

Wlid: 2795
 Waterlevel: 60.7000008
 Method: V
 Installflag: 0
 Artdate: Not Reported
 Elevation: 65

Well Test Yield Information:

Wellid: 4382
 Test type: 2
 Yield: 10
 Date entered: 05/27/1996

Date of test: 05/09/1988
 Time: 1
 Drawdown: 1

Water Quality Information:

Sample id: 1269
 Sample id: 6/3/88
 Treated YN: 0
 Comments: COLLECTED BY NICHOLSON DRILLING. AM TEST LAB#

Well id: 4382
 sample date: 06/03/1988

Sample id: 3305
 Sample id: 12/14/93
 Treated YN: 0
 Comments: DEPARTMENT OF HEALTH LAB#5408512

Well id: 4382
 sample date: 12/14/1993

Sample id: 3306
 Sample id: 9/20/96
 Treated YN: 0
 Comments: SOUND ANALYTICAL SERVICES, INC. LAB#5961701

Well id: 4382
 sample date: 09/20/1996

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

F27
West
1/8 - 1/4 Mile
Higher

FED USGS USGS3277293

Agency cd:	USGS	Site no:	473412122332905
Site name:	24N/02E-16L01		
Latitude:	473412	EDR Site id:	USGS3277293
Longitude:	1223329	Dec lat:	47.56981879
Dec lon:	-122.55930149	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	035
Country:	US	Land net:	NE SW S16 T24N R02E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	50		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19420101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	14	Hole depth:	Not Reported
Source of depth data:	reporting agency (generally USGS)		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1967-03-08
Water quality data end date:	1967-03-08	Water quality data count:	1
Ground water data begin date:	1967-02-01	Ground water data end date:	1967-02-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1967-02-01	6	

H28
West
1/4 - 1/2 Mile
Higher

WA WELLS WAK10000003506

Well id:	1420
Doe site id:	Not Reported
Usgs site id:	473411122333401
Internal project no:	Not Reported
Local name:	Not Reported
Local number:	24N/02E-16L05
Water right permit no:	Not Reported
Parcel id:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Township: 24
 Range: 2
 Meridian: E
 Section: 16
 Quarter quarter1: NE
 Quarter quarter2: SW
 Elevation: 60
 Well address: Not Reported
 Well city: Not Reported
 Well state: Not Reported
 Well zip: Not Reported
 Date entered: 2/1/1988 0:00:00
 Owner first: Not Reported
 Owner last: Not Reported
 Owner address1: Not Reported
 Owner address2: Not Reported
 Owner city: Not Reported
 Owner state: Not Reported
 Owner zip: Not Reported
 WI date: 3/1/1967 0:00:00
 Status: Not Reported

Water level: 9

Well Log Information:

Well log id: 1420
 Startcard: Not Reported
 Proposed use: Not Reported
 Type of work: Not Reported
 Diameter of well: Not Reported
 Well depth completed: 15
 Pumpman: Not Reported
 Pump modelno: Not Reported
 Pump intake: 0
 End construction: 01/01/1938
 Fieldchecked by kpud: 0
 chem anal: 0
 Art flow: 0
 Artpress: Not Reported
 Art elevation: Not Reported
 Bailer airtest yn: 0
 screens yn: 0
 Surface seal yn: 0
 Survey date: Not Reported

Well id: 1420
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: DUG
 Well depth drilled: Not Reported
 Elevation: Not Reported
 Pumptype: Not Reported
 Pump horsepower: Not Reported
 Start construction: 01/01/1938
 Date entered: 02/01/1988
 Water temp: 0
 Artpress date: Not Reported
 Artflow date: Not Reported
 Artcontrol: Not Reported
 By whom: Not Reported
 perf yn: 0
 Gravel packyn: 0
 Well test yn: 0

Casing Information:

Well id: 1420
 Casing from: Not Reported
 Casing diameter: 48
 Casing type: Not Reported

Casing id: 1211
 Casing to: Not Reported
 Casing thickness: 0
 Date entered: 02/01/1988

29
NE
1/4 - 1/2 Mile
Lower

WA WELLS WAK10000003557

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id:	1446		
Doe site id:	Not Reported		
Usgs site id:	473422122330101		
Internal project no:	Not Reported		
Local name:	NOAA TEST HOLE 2		
Local number:	24N/02E-16G04		
Water right permit no:	Not Reported		
Parcel id:	Not Reported		
Township:	24		
Range:	2		
Meridian:	E		
Section:	16		
Quarter quarter1:	SW		
Quarter quarter2:	NE		
Elevation:	12.1		
Well address:	Not Reported		
Well city:	Not Reported		
Well state:	Not Reported		
Well zip:	Not Reported		
Date entered:	6/9/1988 0:00:00		
Owner first:	Not Reported		
Owner last:	Not Reported		
Owner address1:	Not Reported		
Owner address2:	Not Reported		
Owner city:	Not Reported		
Owner state:	Not Reported		
Owner zip:	Not Reported		
WI date:	3/19/1979 0:00:00	Water level:	3.8999999999999999
Status:	Not Reported		

Well Log Information:

Well log id:	1446	Well id:	1446
Startcard:	Not Reported	Waterright permitno:	Not Reported
Proposed use:	Not Reported	Proposed type:	Not Reported
Type of work:	Not Reported	Drilling method:	CABLE
Diameter of well:	8	Well depth drilled:	244
Well depth completed:	138.59999999999999	Elevation:	Not Reported
Pumpman:	Not Reported	Pumptype:	Not Reported
Pump modelno:	Not Reported	Pump horsepower:	Not Reported
Pump intake:	0	Start construction:	02/22/1979
End construction:	03/01/1979	Date entered:	06/09/1988
Fieldchecked by kpud:	0	Water temp:	0
chem anal:	0	Artpress date:	Not Reported
Art flow:	0	Artflow date:	Not Reported
Artpress:	Not Reported	Artcontrol:	Not Reported
Art elevation:	Not Reported	By whom:	Not Reported
Bailer airtest yn:	0	perf yn:	0
screens yn:	1	Gravel packyn:	0
Surface seal yn:	0	Well test yn:	0
Survey date:	Not Reported		

Geologic Information:

Well id:	1446	Geolog id:	16514
Geolog from:	180	Geolog to:	193
Material:	CLAY W , SILT & GRAVEL		
Date entered:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id:	1446	Geolog id:	16515
Geolog from:	193	Geolog to:	241
Material:	SILT & CLAY, OCC GRAVEL		
Date entered:	Not Reported		
Well id:	1446	Geolog id:	16516
Geolog from:	241	Geolog to:	241.009999999999999
Material:	GRAY SILTY CLAY		
Date entered:	Not Reported		
Well id:	1446	Geolog id:	2337
Geolog from:	0	Geolog to:	1
Material:	BLUE CLAY W/ DARK GRAVEL		
Date entered:	07/14/1988		
Well id:	1446	Geolog id:	2338
Geolog from:	15	Geolog to:	35
Material:	BLUE CLAY		
Date entered:	07/14/1988		
Well id:	1446	Geolog id:	2339
Geolog from:	35	Geolog to:	45
Material:	SILTY CLAY W/ SANDY SEAMS. SOME H2O		
Date entered:	07/14/1988		
Well id:	1446	Geolog id:	2340
Geolog from:	45	Geolog to:	64
Material:	SILTBOUND SAND & GRAVEL W/SHELLS		
Date entered:	07/14/1988		
Well id:	1446	Geolog id:	2341
Geolog from:	64	Geolog to:	10
Material:	BL-GRAY SILTY CLAY W/ GRANULES		
Date entered:	07/14/1988		
Well id:	1446	Geolog id:	2342
Geolog from:	107	Geolog to:	145
Material:	FINE SAND, SOME SILT, OCC GRAVEL.		
Date entered:	07/14/1988		
Well id:	1446	Geolog id:	2343
Geolog from:	145	Geolog to:	180
Material:	GRAY SILTY CL. W/SAND SEAMS,SOM H2O		
Date entered:	07/14/1988		
Casing Information:			
Well id:	1446	Casing id:	1233
Casing from:	-2.2999999999999998	Casing to:	123.7
Casing diameter:	8	Casing thickness:	0
Casing type:	Not Reported	Date entered:	06/17/1988
Screen Information:			
Well id:	1446	Screen id:	651
Screen from:	121	Screen to:	138.599999999999999
Screen man:	Not Reported	Screen type:	Not Reported
Model num:	Not Reported	Screen diam:	6
Screen slotsize:	.0129999999999999999	Date entered:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

H30
WSW
1/4 - 1/2 Mile
Higher

FED USGS USGS3277272

Agency cd:	USGS	Site no:	473409122333003
Site name:	24N/02E-16L03	EDR Site id:	USGS3277272
Latitude:	473409	Dec lat:	47.56898546
Longitude:	1223330	Coor meth:	M
Dec lon:	-122.55957926	Latlong datum:	NAD27
Coor accr:	S	District:	53
Dec latlong datum:	NAD83	County:	035
State:	53	Land net:	NE SW S16 T24N R02E W
Country:	US	Map scale:	24000
Location map:	BREMERTON EAST		
Altitude:	55		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19670101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	101	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1967-02-16
Water quality data end date:	1978-07-24	Water quality data count:	2
Ground water data begin date:	1967-02-16	Ground water data end date:	1967-02-16
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

	Feet below	Feet to
Date	Surface	Sealevel

1967-02-16	34	

G31
WSW
1/4 - 1/2 Mile
Higher

FED USGS USGS3277262

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	473407122332904
Site name:	24N/02E-16L04		
Latitude:	473407	EDR Site id:	USGS3277262
Longitude:	1223329	Dec lat:	47.56842991
Dec lon:	-122.55930145	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	035
Country:	US	Land net:	NE SW S16 T24N R02E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	105		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Hillside (slope)		
Site type:	Ground-water other than Spring	Date construction:	19540101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	83	Hole depth:	Not Reported
Source of depth data:	reporting agency (generally USGS)		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1967-02-01	Ground water data end date:	1967-02-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1967-02-01	47	

**32
SW
1/4 - 1/2 Mile
Higher**

FED USGS USGS3277247

Agency cd:	USGS	Site no:	473404122332701
Site name:	24N/02E-16L07		
Latitude:	473404	EDR Site id:	USGS3277247
Longitude:	1223327	Dec lat:	47.56759659
Dec lon:	-122.55874584	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	035
Country:	US	Land net:	NE SW S16 T24N R02E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	90		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	50		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Alluvial or marine terrace		
Site type:	Ground-water other than Spring	Date construction:	19740101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag: Y
 Type of ground water site: Single well, other than collector or Ranney type
 Aquifer Type: Not Reported
 Aquifer: Not Reported
 Well depth: 155 Hole depth: Not Reported
 Source of depth data: reporting agency (generally USGS)
 Project number: Not Reported
 Real time data flag: 0 Daily flow data begin date: 0000-00-00
 Daily flow data end date: 0000-00-00 Daily flow data count: 0
 Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00
 Peak flow data count: 0 Water quality data begin date: 0000-00-00
 Water quality data end date: 0000-00-00 Water quality data count: 0
 Ground water data begin date: 1974-04-01 Ground water data end date: 1974-04-01
 Ground water data count: 1

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1974-04-01	77	

**H33
 WSW
 1/4 - 1/2 Mile
 Higher**

FED USGS USGS3277281

Agency cd:	USGS	Site no:	473410122333202
Site name:	24N/02E-16L05	EDR Site id:	USGS3277281
Latitude:	473410	Dec lat:	47.56926323
Longitude:	1223332	Coor meth:	M
Dec lon:	-122.56013486	Latlong datum:	NAD27
Coor accr:	S	District:	53
Dec latlong datum:	NAD83	County:	035
State:	53	Land net:	NE SW S16 T24N R02E W
Country:	US	Map scale:	Not Reported
Location map:	Not Reported		
Altitude:	95		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Hillside (slope)		
Site type:	Ground-water other than Spring	Date construction:	19670101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	35	Hole depth:	Not Reported
Source of depth data:	reporting agency (generally USGS)		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1967-03-01	Ground water data end date:	1967-03-01
Ground water data count:	1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1967-03-01	26	

**I34
North
1/4 - 1/2 Mile
Higher**

WA WELLS WAK10000003569

Well id: 1454
 Doe site id: Not Reported
 Usgs site id: 473428122331601
 Internal project no: Not Reported
 Local name: NOAA TEST HOLE 1-A
 Local number: 24N/02E-16G05
 Water right permit no: Not Reported
 Parcel id: Not Reported
 Township: 24
 Range: 2
 Meridian: E
 Section: 16
 Quarter quarter1: SW
 Quarter quarter2: NE
 Elevation: 54.20000000000003
 Well address: Not Reported
 Well city: Not Reported
 Well state: Not Reported
 Well zip: Not Reported
 Date entered: 6/8/1988 0:00:00
 Owner first: Not Reported
 Owner last: Not Reported
 Owner address1: Not Reported
 Owner address2: Not Reported
 Owner city: Not Reported
 Owner state: Not Reported
 Owner zip: Not Reported
 WI date: 3/8/1979 0:00:00
 Status: Not Reported

Water level: 35.60000000000001

Well Log Information:

Well log id: 1454
 Startcard: Not Reported
 Proposed use: Not Reported
 Type of work: Not Reported
 Diameter of well: 8
 Well depth completed: 330
 Pumpman: Not Reported
 Pump modelno: Not Reported
 Pump intake: 0
 End construction: 05/01/1979
 Fieldchecked by kpud: 0
 chem anal: 0
 Art flow: 0
 Artpress: Not Reported
 Art elevation: Not Reported
 Bailer airstest yn: 0
 screens yn: 0
 Surface seal yn: 0
 Survey date: Not Reported

Well id: 1454
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: CABLE
 Well depth drilled: 330
 Elevation: Not Reported
 Pumptype: Not Reported
 Pump horsepower: Not Reported
 Start construction: 02/02/1979
 Date entered: 06/08/1988
 Water temp: 0
 Artpress date: Not Reported
 Artflow date: Not Reported
 Artcontrol: Not Reported
 By whom: Not Reported
 perf yn: 1
 Gravel packyn: 0
 Well test yn: 1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Geologic Information:

Well id:	1454	Geolog id:	16517
Geolog from:	157	Geolog to:	164
Material:	DARK SILTY SAND W , SHELLS		
Date entered:	Not Reported		
Well id:	1454	Geolog id:	16518
Geolog from:	164	Geolog to:	169
Material:	DARK SAND, SILT, & GRAVEL W , SHELLS		
Date entered:	Not Reported		
Well id:	1454	Geolog id:	16519
Geolog from:	169	Geolog to:	228
Material:	SILT W , WOOD FRAGMENTS		
Date entered:	Not Reported		
Well id:	1454	Geolog id:	16520
Geolog from:	228	Geolog to:	240
Material:	GRAY CLAY		
Date entered:	Not Reported		
Well id:	1454	Geolog id:	16521
Geolog from:	240	Geolog to:	245
Material:	SAND & GRAVEL, SOME WATER		
Date entered:	Not Reported		
Well id:	1454	Geolog id:	16522
Geolog from:	245	Geolog to:	307
Material:	GRAY CLAY W , EMBEDDED GRAVEL		
Date entered:	Not Reported		
Well id:	1454	Geolog id:	16523
Geolog from:	307	Geolog to:	315
Material:	GRAVEL, SAND, SOME BINDER, SOME H2O		
Date entered:	Not Reported		
Well id:	1454	Geolog id:	16524
Geolog from:	315	Geolog to:	315.009999999999999
Material:	VERY FINE SAND, SILT, GRAVEL		
Date entered:	Not Reported		
Well id:	1454	Geolog id:	2351
Geolog from:	0	Geolog to:	3
Material:	BROWN SILTY SAND, SOME GRAVEL		
Date entered:	07/14/1988		
Well id:	1454	Geolog id:	2352
Geolog from:	30	Geolog to:	40
Material:	SAND & GRAVEL- BROWN, SOME WATER		
Date entered:	07/14/1988		
Well id:	1454	Geolog id:	2353
Geolog from:	40	Geolog to:	47
Material:	BRN SAND & GRAVEL W/ CEMENTED SEAMS		
Date entered:	07/14/1988		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id:	1454	Geolog id:	2354
Geolog from:	47	Geolog to:	50
Material:	BLACK GRAVEL & SAND		
Date entered:	07/14/1988		
Well id:	1454	Geolog id:	2355
Geolog from:	50	Geolog to:	126
Material:	BL-GRAY SILTY CLAY W/EMBEDD GRANULE		
Date entered:	07/14/1988		
Well id:	1454	Geolog id:	2356
Geolog from:	126	Geolog to:	145
Material:	GRAY-GREEN SILT		
Date entered:	07/14/1988		
Well id:	1454	Geolog id:	2357
Geolog from:	145	Geolog to:	157
Material:	DARK SAND&GRAVL W/SILTY BINDER. H2O		
Date entered:	07/14/1988		
Casing Information:			
Well id:	1454	Casing id:	1239
Casing from:	-2	Casing to:	330
Casing diameter:	8	Casing thickness:	0
Casing type:	Not Reported	Date entered:	06/17/1988
Perforation Information:			
Well id:	1454	Perf id:	28
Perf from:	146	Perf to:	0
Perf type:	Not Reported	Perf width:	Not Reported
Perf length:	Not Reported	Date entered:	06/08/1988
Well id:	1454	Perf id:	29
Perf from:	310	Perf to:	0
Perf type:	Not Reported	Perf width:	Not Reported
Perf length:	Not Reported	Date entered:	06/08/1988
Well id:	1454	Perf id:	30
Perf from:	238	Perf to:	0
Perf type:	Not Reported	Perf width:	Not Reported
Perf length:	Not Reported	Date entered:	06/08/1988
Well Test Yield Information:			
Wellid:	1454	Date of test:	03/08/1979
Test type:	2	Time:	1
Yield:	30	Drawdown:	0
Date entered:	05/27/1996		

**I35
North
1/4 - 1/2 Mile
Higher**

WA WELLS WAK10000003570

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id: 1455
 Doe site id: Not Reported
 Usgs site id: 473428122331602
 Internal project no: Not Reported
 Local name: NOAA TEST HOLE 1-B
 Local number: 24N/02E-16G06
 Water right permit no: Not Reported
 Parcel id: Not Reported
 Township: 24
 Range: 2
 Meridian: E
 Section: 16
 Quarter quarter1: SW
 Quarter quarter2: NE
 Elevation: 54.10000000000001
 Well address: Not Reported
 Well city: Not Reported
 Well state: Not Reported
 Well zip: Not Reported
 Date entered: 6/9/1988 0:00:00
 Owner first: Not Reported
 Owner last: Not Reported
 Owner address1: Not Reported
 Owner address2: Not Reported
 Owner city: Not Reported
 Owner state: Not Reported
 Owner zip: Not Reported
 WI date: 3/19/1979 0:00:00
 Status: Not Reported

Water level: 8

Well Log Information:

Well log id: 1455
 Startcard: Not Reported
 Proposed use: Not Reported
 Type of work: Not Reported
 Diameter of well: 8
 Well depth completed: 50
 Pumpman: Not Reported
 Pump modelno: Not Reported
 Pump intake: 0
 End construction: 02/19/1979
 Fieldchecked by kpud: 0
 chem anal: 0
 Art flow: 0
 Artpress: Not Reported
 Art elevation: Not Reported
 Bailer airtest yn: 0
 screens yn: 0
 Surface seal yn: 0
 Survey date: Not Reported

Well id: 1455
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: CABLE
 Well depth drilled: 50
 Elevation: Not Reported
 Pumptype: Not Reported
 Pump horsepower: Not Reported
 Start construction: 02/16/1979
 Date entered: 06/09/1988
 Water temp: 0
 Artpress date: Not Reported
 Artflow date: Not Reported
 Artcontrol: Not Reported
 By whom: Not Reported
 perf yn: 1
 Gravel packyn: 0
 Well test yn: 1

Casing Information:

Well id: 1455
 Casing from: -.5999999999999998
 Casing diameter: 8
 Casing type: Not Reported

Casing id: 1240
 Casing to: 50
 Casing thickness: 0
 Date entered: 06/17/1988

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Perforation Information:

Well id:	1455	Perf id:	31
Perf from:	45	Perf to:	0
Perf type:	Not Reported	Perf width:	Not Reported
Perf length:	Not Reported	Date entered:	06/09/1988

Well id:	1455	Perf id:	32
Perf from:	32	Perf to:	0
Perf type:	Not Reported	Perf width:	Not Reported
Perf length:	Not Reported	Date entered:	06/09/1988

Well test Recovery Information:

Wellid:	1455	Date of test:	02/19/1979
Testtype:	1	Time:	.2999999999999999
Waterlevel:	0		

Well Test Yield Information:

Wellid:	1455	Date of test:	02/19/1979
Test type:	1	Time:	.2999999999999999
Yield:	8	Drawdown:	24
Date entered:	06/09/1988		

**H36
West
1/4 - 1/2 Mile
Higher**

FED USGS USGS3277288

Agency cd:	USGS	Site no:	473411122333401
Site name:	24N/02E-16L06	EDR Site id:	USGS3277288
Latitude:	473411	Dec lat:	47.56954099
Longitude:	1223334	Coor meth:	M
Dec lon:	-122.56069046	Latlong datum:	NAD27
Coor accr:	S	District:	53
Dec latlong datum:	NAD83	County:	035
State:	53	Land net:	NE SW S16 T24N R02E W
Country:	US	Map scale:	Not Reported
Location map:	Not Reported		
Altitude:	60		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19380101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	15	Hole depth:	Not Reported
Source of depth data:	reporting agency (generally USGS)		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1967-03-01	Ground water data end date:	1967-03-01
Ground water data count:	1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1967-03-01	9	

J37
West
1/4 - 1/2 Mile
Higher

WA WELLS WAK10000003488

Well id: 1411
 Doe site id: Not Reported
 Usgs site id: 473409122334001
 Internal project no: Not Reported
 Local name: Not Reported
 Local number: 24N/02E-16M01
 Water right permit no: Not Reported
 Parcel id: Not Reported
 Township: 24
 Range: 2
 Meridian: E
 Section: 16
 Quarter quarter1: NW
 Quarter quarter2: SW
 Elevation: 60
 Well address: Not Reported
 Well city: Not Reported
 Well state: Not Reported
 Well zip: Not Reported
 Date entered: 2/1/1988 0:00:00
 Owner first: Not Reported
 Owner last: Not Reported
 Owner address1: Not Reported
 Owner address2: Not Reported
 Owner city: Not Reported
 Owner state: Not Reported
 Owner zip: Not Reported
 WI date: Not Reported
 Status: Not Reported

Water level: 5

Well Log Information:

Well log id: 1411
 Startcard: Not Reported
 Proposed use: Not Reported
 Type of work: Not Reported
 Diameter of well: Not Reported
 Well depth completed: 10
 Pumpman: Not Reported
 Pump modelno: Not Reported
 Pump intake: 0
 End construction: Not Reported
 Fieldchecked by kpud: 0
 chem anal: 0
 Art flow: 0
 Artpress: Not Reported
 Art elevation: Not Reported
 Bailer airstest yn: 0
 screens yn: 0
 Surface seal yn: 0
 Survey date: Not Reported

Well id: 1411
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: DUG
 Well depth drilled: Not Reported
 Elevation: Not Reported
 Pumptype: Not Reported
 Pump horsepower: Not Reported
 Start construction: Not Reported
 Date entered: 02/01/1988
 Water temp: 0
 Artpress date: Not Reported
 Artflow date: Not Reported
 Artcontrol: Not Reported
 By whom: Not Reported
 perf yn: 0
 Gravel packyn: 0
 Well test yn: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Information:

Well id:	1411	Casing id:	1203
Casing from:	Not Reported	Casing to:	Not Reported
Casing diameter:	48	Casing thickness:	0
Casing type:	Not Reported	Date entered:	02/01/1988

**38
SSW
1/4 - 1/2 Mile
Higher**

WA WELLS WAK10000003447

**J39
WSW
1/4 - 1/2 Mile
Higher**

WA WELLS WAK10000003476

Well id:	-992958704
Doe site id:	ACK483
Usgs site id:	Not Reported
Internal project no:	Not Reported
Local name:	Not Reported
Local number:	24N/02E-16M04
Water right permit no:	Not Reported
Parcel id:	16240230052007
Township:	24
Range:	2
Meridian:	E
Section:	16
Quarter quarter1:	NW
Quarter quarter2:	SW
Elevation:	70
Well address:	6604 BEAVER CREEK ROAD
Well city:	PORT ORCHARD
Well state:	WA
Well zip:	98367
Date entered:	2/23/2000 9:31:39
Owner first:	ERIK
Owner last:	NAGLI
Owner address1:	2818 SE LELA LANE
Owner address2:	Not Reported
Owner city:	PORT ORCHARD
Owner state:	WA
Owner zip:	98367
WI date:	6/24/1997 0:00:00
Status:	Not Reported

Water level: 45

Well Log Information:

Well log id:	-2100970031	Well id:	-992958704
Startcard:	Not Reported	Waterright permitno:	Not Reported
Proposed use:	Domestic	Proposed type:	Not Reported
Type of work:	New Well	Drilling method:	Cable
Diameter of well:	6	Well depth drilled:	139
Well depth completed:	139	Elevation:	Not Reported
Pumpman:	GOULDS	Pumptype:	SUB 10GS07
Pump modelno:	3/4 HP	Pump horsepower:	Not Reported
Pump intake:	0	Start construction:	06/20/1997
End construction:	06/23/1997	Date entered:	02/23/2000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Fieldchecked by kpud:	0	Water temp:	50
chem anal:	1	Artpress date:	Not Reported
Art flow:	0	Artflow date:	Not Reported
Artpress:	Not Reported	Artcontrol:	Not Reported
Art elevation:	Not Reported	By whom:	by Driller
Bailer airtest yn:	0	perf yn:	0
screens yn:	1	Gravel packyn:	0
Surface seal yn:	1	Well test yn:	1
Survey date:	Not Reported		
Geologic Information:			
Well id:	-992958704	Geolog id:	-1758227169
Geolog from:	65	Geolog to:	77
Material:	GRAY GRAVELLY STICKY CLAY		
Date entered:	02/23/2000		
Well id:	-992958704	Geolog id:	-1609566995
Geolog from:	0	Geolog to:	1
Material:	OVERBURDEN		
Date entered:	02/23/2000		
Well id:	-992958704	Geolog id:	1702501477
Geolog from:	105	Geolog to:	127
Material:	GRAY SANDY SILTY CLAY		
Date entered:	02/23/2000		
Well id:	-992958704	Geolog id:	366643798
Geolog from:	49	Geolog to:	65
Material:	GRAY GRAVELLY HARDPAN		
Date entered:	02/23/2000		
Well id:	-992958704	Geolog id:	318747112
Geolog from:	29	Geolog to:	35
Material:	BROWN SILTY SAND		
Date entered:	02/23/2000		
Well id:	-992958704	Geolog id:	1815722946
Geolog from:	127	Geolog to:	139
Material:	BROWN SILTY SAND AND GRAVEL, WATER		
Date entered:	02/23/2000		
Well id:	-992958704	Geolog id:	46708169
Geolog from:	35	Geolog to:	49
Material:	GRAY SANDY SILT		
Date entered:	02/23/2000		
Well id:	-992958704	Geolog id:	1918433507
Geolog from:	8	Geolog to:	29
Material:	BROWN GRAVELLY HARDPAN		
Date entered:	02/23/2000		
Well id:	-992958704	Geolog id:	-753206358
Geolog from:	1	Geolog to:	8
Material:	BROWN SILT AND SAND		
Date entered:	02/23/2000		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id:	-992958704	Geolog id:	-657780620
Geolog from:	77	Geolog to:	105
Material:	GRAY CLAY		
Date entered:	02/23/2000		
Casing Information:			
Well id:	-992958704	Casing id:	-997448770
Casing from:	0	Casing to:	134
Casing diameter:	6	Casing thickness:	Not Reported
Casing type:	Welded	Date entered:	02/23/2000
Screen Information:			
Well id:	-992958704	Screen id:	775879783
Screen from:	134	Screen to:	139
Screen man:	JOHNSON	Screen type:	SS
Model num:	Not Reported	Screen diam:	5
Screen slotsize:	.01	Date entered:	02/23/2000
Seal Information:			
Well id:	-992958704	Seal id:	244770844
Seal top:	0	Seal bottom:	1.8E+001
Seal material:	Bentonite	Unusable water:	Not Reported
Water type:	Not Reported	Strata depth:	Not Reported
Seal method:	Not Reported	Date entered:	02/23/2000
Waterlevel Information:			
Wellid:	-992958704	Wlid:	-1957278437
Wldate:	07/11/1997	Waterlevel:	Not Reported
Status:	Not Reported	Method:	Not Reported
Accuracy:	Not Reported	Installflag:	0
Artpress:	Not Reported	Artdate:	Not Reported
Artcontrol:	Not Reported	Elevation:	Not Reported
Stickup:	1.3999999999999999		
Remark:	BKCHD/LUM		
Well test Recovery Information:			
Wellid:	-992958704	Date of test:	06/24/1997
Testtype:	1	Time:	3
Waterlevel:	45		
Well Test Yield Information:			
Wellid:	-992958704	Date of test:	06/24/1997
Test type:	1	Time:	2
Yield:	15	Drawdown:	13
Date entered:	02/23/2000		
Wellid:	-992958704	Date of test:	06/24/1997
Test type:	2	Time:	1
Yield:	22	Drawdown:	15
Date entered:	02/23/2000		

**J40
WSW
1/4 - 1/2 Mile
Higher**

FED USGS USGS3277273

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	473409122334001
Site name:	24N/02E-16M02	EDR Site id:	USGS3277273
Latitude:	473409	Dec lat:	47.56898541
Longitude:	1223340	Coor meth:	M
Dec lon:	-122.56235721	Latlong datum:	NAD27
Coor accr:	S	District:	53
Dec latlong datum:	NAD83	County:	035
State:	53	Land net:	NW SW S16 T24N R02E W
Country:	US	Map scale:	Not Reported
Location map:	Not Reported		
Altitude:	60		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19670101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	10	Hole depth:	Not Reported
Source of depth data:	reporting agency (generally USGS)		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1967-02-01	Ground water data end date:	1967-02-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1967-02-01	5	

41
WSW
1/4 - 1/2 Mile
Higher

WA WELLS WAK10000003472

Well id:	13953
Doe site id:	ABA906
Usgs site id:	Not Reported
Internal project no:	Not Reported
Local name:	Not Reported
Local number:	24N/02E-16M03
Water right permit no:	Not Reported
Parcel id:	Not Reported
Township:	24
Range:	2
Meridian:	E
Section:	16
Quarter quarter1:	NW
Quarter quarter2:	SW

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Elevation:	75		
Well address:	6598 BEAVER CREEK ROAD		
Well city:	PORT ORCHARD		
Well state:	WA		
Well zip:	98366		
Date entered:	3/6/1997 10:24:32		
Owner first:	BRONAH E		
Owner last:	HOLT		
Owner address1:	PO BOX 552		
Owner address2:	Not Reported		
Owner city:	PORT ORCHARD		
Owner state:	WA		
Owner zip:	98366		
WI date:	7/31/1995 0:00:00	Water level:	32
Status:	Not Reported		

Well Log Information:

Well log id:	11241	Well id:	13953
Startcard:	Not Reported	Waterright permitno:	Not Reported
Proposed use:	Domestic	Proposed type:	Not Reported
Type of work:	Reconditioned	Drilling method:	Cable
Diameter of well:	6	Well depth drilled:	151
Well depth completed:	151	Elevation:	Not Reported
Pumpman:	BERKELEY	Pumptype:	SUB
Pump modelno:	Not Reported	Pump horsepower:	Not Reported
Pump intake:	0	Start construction:	07/25/1995
End construction:	07/31/1995	Date entered:	03/06/1997
Fieldchecked by kpud:	0	Water temp:	0
chem anal:	0	Artpress date:	Not Reported
Art flow:	0	Artflow date:	Not Reported
Artpress:	Not Reported	Artcontrol:	Not Reported
Art elevation:	Not Reported	By whom:	Not Reported
Bailer airtest yn:	0	perf yn:	0
screens yn:	1	Gravel packyn:	0
Surface seal yn:	1	Well test yn:	0
Survey date:	Not Reported		

Geologic Information:

Well id:	13953	Geolog id:	56943
Geolog from:	0	Geolog to:	2
Material:	SANDY ALDER BOTTOM		
Date entered:	03/06/1997		

Well id:	13953	Geolog id:	56944
Geolog from:	2	Geolog to:	8
Material:	GRAY SANDY CLAY		
Date entered:	03/06/1997		

Well id:	13953	Geolog id:	56945
Geolog from:	8	Geolog to:	25
Material:	LARGE ROCKS - GRAVEL		
Date entered:	03/06/1997		

Well id:	13953	Geolog id:	56946
Geolog from:	25	Geolog to:	32
Material:	HARD PAN - GRAY		
Date entered:	03/06/1997		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id:	13953	Geolog id:	56947
Geolog from:	32	Geolog to:	43
Material:	BLUE CLAY; GRAVEL HARD PAN GRAY		
Date entered:	03/06/1997		
Well id:	13953	Geolog id:	56948
Geolog from:	43	Geolog to:	66
Material:	SOLID GRAY CLAY		
Date entered:	03/06/1997		
Well id:	13953	Geolog id:	56949
Geolog from:	66	Geolog to:	90
Material:	DIRTY GRAY MIST OF SAND AND CLAY GRAVEL & SEEPAGE		
Date entered:	03/06/1997		
Well id:	13953	Geolog id:	56950
Geolog from:	90	Geolog to:	125
Material:	FINE GRAY SND		
Date entered:	03/06/1997		
Well id:	13953	Geolog id:	56951
Geolog from:	125	Geolog to:	133
Material:	SILTY GRAY CLAY MIXED WITH SAD		
Date entered:	03/06/1997		
Well id:	13953	Geolog id:	56953
Geolog from:	133	Geolog to:	151
Material:	MORE GRAY SAND POSSIBLY CLEANER AN SOMEWHAT COARSE		
Date entered:	03/06/1997		
Well id:	13953	Geolog id:	56954
Geolog from:	151	Geolog to:	151.00999999999999
Material:	WATER BEARING		
Date entered:	03/06/1997		
Casing Information:			
Well id:	13953	Casing id:	10830
Casing from:	133	Casing to:	141.40000000000001
Casing diameter:	6	Casing thickness:	Not Reported
Casing type:	Welded	Date entered:	03/06/1997
Screen Information:			
Well id:	13953	Screen id:	7446
Screen from:	140.69999999999999	Screen to:	151.09999999999999
Screen man:	UNKNOWN	Screen type:	SS
Model num:	Not Reported	Screen diam:	6
Screen slotsize:	.016	Date entered:	03/06/1997
Seal Information:			
Well id:	13953	Seal id:	3991
Seal top:	0	Seal bottom:	1.8E+001
Seal material:	Bentonite	Unusable water:	Not Reported
Water type:	Not Reported	Strata depth:	Not Reported
Seal method:	Not Reported	Date entered:	03/06/1997

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Test Yield Information:

Wellid:	13953	Date of test:	07/31/1995
Test type:	2	Time:	1
Yield:	5	Drawdown:	107
Date entered:	03/06/1997		

**K42
WNW
1/4 - 1/2 Mile
Higher**

WA WELLS WAK10000003549

Well id:	1440		
Doe site id:	Not Reported		
Usgs site id:	473419122334702		
Internal project no:	Not Reported		
Local name:	Not Reported		
Local number:	24N/02E-16E03		
Water right permit no:	Not Reported		
Parcel id:	Not Reported		
Township:	24		
Range:	2		
Meridian:	E		
Section:	16		
Quarter quarter1:	SW		
Quarter quarter2:	NW		
Elevation:	85		
Well address:	Not Reported		
Well city:	Not Reported		
Well state:	Not Reported		
Well zip:	Not Reported		
Date entered:	2/1/1988 0:00:00		
Owner first:	Not Reported		
Owner last:	Not Reported		
Owner address1:	Not Reported		
Owner address2:	Not Reported		
Owner city:	Not Reported		
Owner state:	Not Reported		
Owner zip:	Not Reported		
WI date:	2/1/1967 0:00:00	Water level:	35
Status:	Not Reported		

Well Log Information:

Well log id:	1440	Well id:	1440
Startcard:	Not Reported	Waterright permitno:	Not Reported
Proposed use:	Not Reported	Proposed type:	Not Reported
Type of work:	Not Reported	Drilling method:	Not Reported
Diameter of well:	Not Reported	Well depth drilled:	Not Reported
Well depth completed:	102	Elevation:	Not Reported
Pumpman:	Not Reported	Pumptype:	Not Reported
Pump modelno:	Not Reported	Pump horsepower:	Not Reported
Pump intake:	0	Start construction:	01/01/1962
End construction:	01/01/1962	Date entered:	02/01/1988
Fieldchecked by kpud:	0	Water temp:	0
chem anal:	0	Artpress date:	Not Reported
Art flow:	0	Artflow date:	Not Reported
Artpress:	Not Reported	Artcontrol:	Not Reported
Art elevation:	Not Reported	By whom:	Not Reported
Bailer airtest yn:	0	perf yn:	0
screens yn:	1	Gravel packyn:	0
Surface seal yn:	0	Well test yn:	1
Survey date:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Information:

Well id:	1440	Casing id:	1228
Casing from:	Not Reported	Casing to:	Not Reported
Casing diameter:	6	Casing thickness:	0
Casing type:	Not Reported	Date entered:	02/01/1988

Screen Information:

Well id:	1440	Screen id:	647
Screen from:	0	Screen to:	102
Screen man:	Not Reported	Screen type:	Not Reported
Model num:	Not Reported	Screen diam:	Not Reported
Screen slotsize:	Not Reported	Date entered:	Not Reported

Well test Recovery Information:

Wellid:	1440	Date of test:	01/01/1901
Testtype:	1	Time:	0
Waterlevel:	45		

Well Test Yield Information:

Wellid:	1440	Date of test:	01/01/1901
Test type:	1	Time:	0
Yield:	6	Drawdown:	0
Date entered:	02/01/1988		

**K43
WNW
1/4 - 1/2 Mile
Higher**

WA WELLS WAK10000003539

Well id:	1436
Doe site id:	Not Reported
Usgs site id:	473418122334901
Internal project no:	Not Reported
Local name:	Not Reported
Local number:	24N/02E-16E02
Water right permit no:	Not Reported
Parcel id:	Not Reported
Township:	24
Range:	2
Meridian:	E
Section:	16
Quarter quarter1:	SW
Quarter quarter2:	NW
Elevation:	100
Well address:	Not Reported
Well city:	Not Reported
Well state:	Not Reported
Well zip:	Not Reported
Date entered:	2/1/1988 0:00:00
Owner first:	Not Reported
Owner last:	Not Reported
Owner address1:	Not Reported
Owner address2:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Owner city: Not Reported
 Owner state: Not Reported
 Owner zip: Not Reported
 WI date: Not Reported
 Status: Not Reported

Water level: 23

Well Log Information:

Well log id: 1436
 Startcard: Not Reported
 Proposed use: Not Reported
 Type of work: Not Reported
 Diameter of well: Not Reported
 Well depth completed: 32
 Pumpman: Not Reported
 Pump modelno: Not Reported
 Pump intake: 0
 End construction: Not Reported
 Fieldchecked by kpud: 0
 chem anal: 0
 Art flow: 0
 Artpress: Not Reported
 Art elevation: Not Reported
 Bailer airtest yn: 0
 screens yn: 0
 Surface seal yn: 0
 Survey date: Not Reported

Well id: 1436
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: DUG
 Well depth drilled: Not Reported
 Elevation: Not Reported
 Pumptype: Not Reported
 Pump horsepower: Not Reported
 Start construction: Not Reported
 Date entered: 02/01/1988
 Water temp: 0
 Artpress date: Not Reported
 Artflow date: Not Reported
 Artcontrol: Not Reported
 By whom: Not Reported
 perf yn: 0
 Gravel packyn: 0
 Well test yn: 0

Casing Information:

Well id: 1436
 Casing from: Not Reported
 Casing diameter: 30
 Casing type: Not Reported

Casing id: 1225
 Casing to: Not Reported
 Casing thickness: 0
 Date entered: 02/01/1988

**L44
 West
 1/4 - 1/2 Mile
 Higher**

WA WELLS WAK10000003505

Well id: 1421
 Doe site id: Not Reported
 Usgs site id: 473411122335001
 Internal project no: Not Reported
 Local name: Not Reported
 Local number: 24N/02E-16M02
 Water right permit no: Not Reported
 Parcel id: Not Reported
 Township: 24
 Range: 2
 Meridian: E
 Section: 16
 Quarter quarter1: NW
 Quarter quarter2: SW
 Elevation: 105

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well address: Not Reported
 Well city: Not Reported
 Well state: Not Reported
 Well zip: Not Reported
 Date entered: 2/1/1988 0:00:00
 Owner first: Not Reported
 Owner last: Not Reported
 Owner address1: Not Reported
 Owner address2: Not Reported
 Owner city: Not Reported
 Owner state: Not Reported
 Owner zip: Not Reported
 WI date: 2/16/1967 0:00:00
 Status: Not Reported

Water level: 33.899999999999999

Well Log Information:

Well log id: 1421
 Startcard: Not Reported
 Proposed use: Not Reported
 Type of work: Not Reported
 Diameter of well: Not Reported
 Well depth completed: 152
 Pumpman: Not Reported
 Pump modelno: Not Reported
 Pump intake: 0
 End construction: 01/01/1940
 Fieldchecked by kpud: 0
 chem anal: 0
 Art flow: 0
 Artpress: Not Reported
 Art elevation: Not Reported
 Bailer airtest yn: 0
 screens yn: 1
 Surface seal yn: 0
 Survey date: Not Reported

Well id: 1421
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: DUG
 Well depth drilled: Not Reported
 Elevation: Not Reported
 Pumptype: Not Reported
 Pump horsepower: Not Reported
 Start construction: 01/01/1940
 Date entered: 02/01/1988
 Water temp: 0
 Artpress date: Not Reported
 Artflow date: Not Reported
 Artcontrol: Not Reported
 By whom: Not Reported
 perf yn: 0
 Gravel packyn: 0
 Well test yn: 1

Casing Information:

Well id: 1421
 Casing from: Not Reported
 Casing diameter: 6
 Casing type: Not Reported

Casing id: 1212
 Casing to: Not Reported
 Casing thickness: 0
 Date entered: 02/01/1988

Screen Information:

Well id: 1421
 Screen from: 0
 Screen man: Not Reported
 Model num: Not Reported
 Screen slotsize: Not Reported

Screen id: 637
 Screen to: 134
 Screen type: Not Reported
 Screen diam: Not Reported
 Date entered: Not Reported

Well test Recovery Information:

Wellid: 1421
 Testtype: 1
 Waterlevel: 0

Date of test: 01/01/1901
 Time: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Test Yield Information:

Wellid:	1421	Date of test:	01/01/1901
Test type:	1	Time:	0
Yield:	25	Drawdown:	0
Date entered:	02/01/1988		

**K45
WNW
1/4 - 1/2 Mile
Higher**

FED USGS USGS3277313

Agency cd:	USGS	Site no:	473419122334702
Site name:	24N/02E-16E04		
Latitude:	473419	EDR Site id:	USGS3277313
Longitude:	1223347	Dec lat:	47.57176315
Dec lon:	-122.56430185	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	035
Country:	US	Land net:	SW NW S16 T24N R02E W
Location map:	BREMERTON EAST	Map scale:	24000
Altitude:	85		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19620101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	102	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1967-02-23
Water quality data end date:	1978-07-24	Water quality data count:	2
Ground water data begin date:	1967-02-01	Ground water data end date:	1967-02-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1967-02-01	35	

**M46
West
1/2 - 1 Mile
Higher**

FED USGS USGS3277308

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	473418122334901
Site name:	24N/02E-16E03	EDR Site id:	USGS3277308
Latitude:	473418	Dec lat:	47.57148536
Longitude:	1223349	Coor meth:	M
Dec lon:	-122.56485743	Latlong datum:	NAD27
Coor accr:	S	District:	53
Dec latlong datum:	NAD83	County:	035
State:	53	Land net:	SW NW S16 T24N R02E W
Country:	US	Map scale:	Not Reported
Location map:	Not Reported		
Altitude:	95		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19670101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	32	Hole depth:	Not Reported
Source of depth data:	reporting agency (generally USGS)		
Project number:	Not Reported		
Real time data flag:	0		
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Daily flow data count:	0	Daily flow data end date:	0000-00-00
Peak flow data begin date:	0000-00-00	Peak flow data count:	0
Peak flow data end date:	0000-00-00	Water quality data begin date:	0000-00-00
Peak flow data count:	0	Water quality data end date:	0000-00-00
Water quality data begin date:	0000-00-00	Water quality data count:	0
Water quality data end date:	0000-00-00	Ground water data begin date:	1967-02-01
Ground water data begin date:	1967-02-01	Ground water data end date:	1967-02-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1967-02-01	23	

M47
West
1/2 - 1 Mile
Higher

WA WELLS WAK10000003531

Well id:	1431
Doe site id:	Not Reported
Usgs site id:	473417122335401
Internal project no:	Not Reported
Local name:	Not Reported
Local number:	24N/02E-16E01
Water right permit no:	Not Reported
Parcel id:	Not Reported
Township:	24
Range:	2
Meridian:	E
Section:	16
Quarter quarter1:	SW
Quarter quarter2:	NW

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Elevation: 100
 Well address: Not Reported
 Well city: Not Reported
 Well state: Not Reported
 Well zip: Not Reported
 Date entered: 2/1/1988 0:00:00
 Owner first: Not Reported
 Owner last: Not Reported
 Owner address1: Not Reported
 Owner address2: Not Reported
 Owner city: Not Reported
 Owner state: Not Reported
 Owner zip: Not Reported
 WI date: 3/1/1956 0:00:00
 Status: Not Reported

Water level: 30

Well Log Information:

Well log id: 1431
 Startcard: Not Reported
 Proposed use: Not Reported
 Type of work: Not Reported
 Diameter of well: Not Reported
 Well depth completed: 114
 Pumpman: Not Reported
 Pump modelno: Not Reported
 Pump intake: 0
 End construction: 01/01/1956
 Fieldchecked by kpud: 0
 chem anal: 0
 Art flow: 0
 Artpress: Not Reported
 Art elevation: Not Reported
 Bailer airtest yn: 0
 screens yn: 1
 Surface seal yn: 0
 Survey date: Not Reported

Well id: 1431
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: CABLE
 Well depth drilled: Not Reported
 Elevation: Not Reported
 Pumptype: Not Reported
 Pump horsepower: Not Reported
 Start construction: 01/01/1956
 Date entered: 02/01/1988
 Water temp: 0
 Artpress date: Not Reported
 Artflow date: Not Reported
 Artcontrol: Not Reported
 By whom: Not Reported
 perf yn: 0
 Gravel packyn: 0
 Well test yn: 1

Casing Information:

Well id: 1431
 Casing from: Not Reported
 Casing diameter: 6
 Casing type: Not Reported

Casing id: 1220
 Casing to: Not Reported
 Casing thickness: 0
 Date entered: 02/01/1988

Screen Information:

Well id: 1431
 Screen from: 0
 Screen man: Not Reported
 Model num: Not Reported
 Screen slotsize: Not Reported

Screen id: 639
 Screen to: 109
 Screen type: Not Reported
 Screen diam: Not Reported
 Date entered: Not Reported

Well test Recovery Information:

Wellid: 1431
 Testtype: 1
 Waterlevel: 85

Date of test: 01/01/1901
 Time: 2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Test Yield Information:

Wellid:	1431	Date of test:	01/01/1901
Test type:	1	Time:	2
Yield:	20	Drawdown:	0
Date entered:	02/01/1988		

**L48
West
1/2 - 1 Mile
Higher**

FED USGS USGS3277289

Agency cd:	USGS	Site no:	473411122335001
Site name:	24N/02E-16M01	EDR Site id:	USGS3277289
Latitude:	473411	Dec lat:	47.56954092
Longitude:	1223350	Coor meth:	M
Dec lon:	-122.56513517	Latlong datum:	NAD27
Coor accr:	S	District:	53
Dec latlong datum:	NAD83	County:	035
State:	53	Land net:	NW SW S16 T24N R02E W
Country:	US	Map scale:	24000
Location map:	BREMERTON EAST		
Altitude:	105		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Hillside (slope)		
Site type:	Ground-water other than Spring	Date construction:	19400101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	152	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1967-05-11
Water quality data end date:	1978-07-24	Water quality data count:	2
Ground water data begin date:	1967-02-16	Ground water data end date:	1967-02-16
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1967-02-16	34	

**49
SW
1/2 - 1 Mile
Higher**

WA WELLS WA6000000013332

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Objectid:	18260	Pwssrcid:	0276201
Oid :	2403	Pwsid:	02762
Srcnum:	01	Systemname:	COYOTE FLATS #2
Systemgrp:	B	Systemtype:	GRPB
Region:	Southwest	County:	KITSAP
Srcname:	WELL #1COYOTE FLATS #2	Srctype:	Ground Water - Well
Srcuse:	Permanent		
Longitude:	-122.563		
Latitude:	47.56477		
Locmethod:	Quarter Quarter Section	Srcsuscept:	Not Rated
Dayphone:	(360) 871-0500	Addr1:	MANCHESTER WATER DISTRICT
Addr2:	PO BOX 98	City:	MANCHESTER
State:	WA	Zip:	98353
Emailaddr:	doconnell@manchesterwater.org	Site id:	WA6000000013332

**50
WSW
1/2 - 1 Mile
Higher**

WA WELLS WAK10000003451

Well id:	532962758		
Doe site id:	AFP132		
Usgs site id:	Not Reported		
Internal project no:	Not Reported		
Local name:	Not Reported		
Local number:	24N/02E-16M05		
Water right permit no:	Not Reported		
Parcel id:	16240230092003		
Township:	24		
Range:	2		
Meridian:	E		
Section:	16		
Quarter quarter1:	NW		
Quarter quarter2:	SW		
Elevation:	180		
Well address:	BEAVER CREEK ROAD		
Well city:	PORT ORCHARD		
Well state:	WA		
Well zip:	Not Reported		
Date entered:	1/28/2003 9:24:47		
Owner first:	JEFF		
Owner last:	MILLER		
Owner address1:	Not Reported		
Owner address2:	Not Reported		
Owner city:	Not Reported		
Owner state:	Not Reported		
Owner zip:	Not Reported		
WI date:	12/2/2002 0:00:00	Water level:	88
Status:	Not Reported		

Well Log Information:			
Well log id:	356802511	Well id:	532962758
Startcard:	Not Reported	Waterright permitno:	Not Reported
Proposed use:	Domestic	Proposed type:	Not Reported
Type of work:	New Well	Drilling method:	Cable
Diameter of well:	6	Well depth drilled:	133
Well depth completed:	133	Elevation:	Not Reported
Pumpman:	Not Reported	Pumptype:	Not Reported
Pump modelno:	Not Reported	Pump horsepower:	Not Reported
Pump intake:	0	Start construction:	12/02/2002
End construction:	12/02/2002	Date entered:	01/28/2003

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Fieldchecked by kpud:	0	Water temp:	0
chem anal:	1	Artpress date:	Not Reported
Art flow:	0	Artflow date:	Not Reported
Artpress:	Not Reported	Artcontrol:	Not Reported
Art elevation:	Not Reported	By whom:	by Driller
Bailer airtest yn:	0	perf yn:	0
screens yn:	1	Gravel packyn:	0
Surface seal yn:	1	Well test yn:	1
Survey date:	Not Reported		

Geologic Information:

Well id:	532962758	Geolog id:	-198063347
Geolog from:	123	Geolog to:	133
Material:	GREY SAND GRAVEL W/B		
Date entered:	01/28/2003		

Well id:	532962758	Geolog id:	-1297177909
Geolog from:	0	Geolog to:	38
Material:	BROWN CLAY SAND		
Date entered:	01/28/2003		

Well id:	532962758	Geolog id:	1253375920
Geolog from:	38	Geolog to:	51
Material:	BROWN CLAY ROCKS		
Date entered:	01/28/2003		

Well id:	532962758	Geolog id:	998838769
Geolog from:	51	Geolog to:	92
Material:	GREY CLAY SAND		
Date entered:	01/28/2003		

Well id:	532962758	Geolog id:	611757406
Geolog from:	91	Geolog to:	108
Material:	GREY CLAY SAND SEEP		
Date entered:	01/28/2003		

Well id:	532962758	Geolog id:	169799047
Geolog from:	108	Geolog to:	123
Material:	GREY CLAY ROCKS SEEP		
Date entered:	01/28/2003		

Casing Information:

Well id:	532962758	Casing id:	1406718308
Casing from:	0	Casing to:	133
Casing diameter:	6	Casing thickness:	Not Reported
Casing type:	Welded	Date entered:	01/28/2003

Screen Information:

Well id:	532962758	Screen id:	-298015083
Screen from:	128	Screen to:	133
Screen man:	COOK	Screen type:	SS
Model num:	Not Reported	Screen diam:	1
Screen slotsize:	Not Reported	Date entered:	01/28/2003

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Seal Information:

Well id:	532962758	Seal id:	-627890638
Seal top:	0	Seal bottom:	1.8E+001
Seal material:	Bentonite	Unusable water:	Not Reported
Water type:	Not Reported	Strata depth:	Not Reported
Seal method:	Not Reported	Date entered:	01/28/2003

Waterlevel Information:

Wellid:	532962758	Wlid:	1820539907
Wldate:	12/02/2002	Waterlevel:	88
Status:	ST	Method:	Not Reported
Accuracy:	Not Reported	Installflag:	0
Artpress:	Not Reported	Artdate:	Not Reported
Artcontrol:	Not Reported	Elevation:	Not Reported
Stickup:	Not Reported		
Remark:	PUMPING TEST DONE BY DRILLER		

Wellid:	532962758	Wlid:	-345088182
Wldate:	11/20/2002	Waterlevel:	Not Reported
Status:	Not Reported	Method:	Not Reported
Accuracy:	Not Reported	Installflag:	0
Artpress:	Not Reported	Artdate:	Not Reported
Artcontrol:	Not Reported	Elevation:	Not Reported
Stickup:	2		
Remark:	BKCHD/LUM		

Wellid:	532962758	Wlid:	750534280
Wldate:	12/02/2002	Waterlevel:	108
Status:	P	Method:	Not Reported
Accuracy:	Not Reported	Installflag:	0
Artpress:	Not Reported	Artdate:	Not Reported
Artcontrol:	Not Reported	Elevation:	Not Reported
Stickup:	Not Reported		
Remark:	PUMPING 16 GPM AT 20 FT DRAWDOWN AFTER ONE HOUR		

Well Test Yield Information:

Wellid:	532962758	Date of test:	12/02/2002
Test type:	2	Time:	2
Yield:	12	Drawdown:	20
Date entered:	01/28/2003		

Water Quality Information:

Sample id:	-146461207	Well id:	532962758
Sample id:	12/3/02	sample date:	12/03/2002
Treated YN:	0		
Comments:	Collected by Holland Pump. Twiss Lab#01082252		

**N51
WNW
1/2 - 1 Mile
Higher**

WA WELLS WAK10000003562

Well id:	1447
Doe site id:	Not Reported
Usgs site id:	473423122335501
Internal project no:	Not Reported
Local name:	Not Reported
Local number:	24N/02E-16E04
Water right permit no:	Not Reported
Parcel id:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Township: 24
 Range: 2
 Meridian: E
 Section: 16
 Quarter quarter1: SW
 Quarter quarter2: NW
 Elevation: 100
 Well address: Not Reported
 Well city: Not Reported
 Well state: Not Reported
 Well zip: Not Reported
 Date entered: 2/1/1988 0:00:00
 Owner first: Not Reported
 Owner last: Not Reported
 Owner address1: Not Reported
 Owner address2: Not Reported
 Owner city: Not Reported
 Owner state: Not Reported
 Owner zip: Not Reported
 WI date: Not Reported
 Status: Not Reported

Water level: Not Reported

Well Log Information:

Well log id: 1447
 Startcard: Not Reported
 Proposed use: Not Reported
 Type of work: Not Reported
 Diameter of well: Not Reported
 Well depth completed: 86
 Pumpman: Not Reported
 Pump modelno: Not Reported
 Pump intake: 0
 End construction: 01/01/1949
 Fieldchecked by kpud: 0
 chem anal: 0
 Art flow: 0
 Artpress: Not Reported
 Art elevation: Not Reported
 Bailer airtest yn: 0
 screens yn: 0
 Surface seal yn: 0
 Survey date: Not Reported

Well id: 1447
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: CABLE
 Well depth drilled: Not Reported
 Elevation: Not Reported
 Pumptype: Not Reported
 Pump horsepower: Not Reported
 Start construction: 01/01/1949
 Date entered: 02/01/1988
 Water temp: 0
 Artpress date: Not Reported
 Artflow date: Not Reported
 Artcontrol: Not Reported
 By whom: Not Reported
 perf yn: 0
 Gravel packyn: 0
 Well test yn: 1

Casing Information:

Well id: 1447
 Casing from: Not Reported
 Casing diameter: 6
 Casing type: Not Reported

Casing id: 1234
 Casing to: Not Reported
 Casing thickness: 0
 Date entered: 02/01/1988

Well test Recovery Information:

Wellid: 1447
 Testtype: 1
 Waterlevel: 0

Date of test: 01/01/1901
 Time: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Test Yield Information:

Wellid:	1447	Date of test:	01/01/1901
Test type:	1	Time:	0
Yield:	8	Drawdown:	0
Date entered:	02/01/1988		

**O52
South
1/2 - 1 Mile
Higher**

WA WELLS WAK10000003398

Well id:	5216		
Doe site id:	AAB493		
Usgs site id:	473336122331601		
Internal project no:	Not Reported		
Local name:	MANCHESTER WD WELL 11		
Local number:	24N/02E-21B04		
Water right permit no:	Not Reported		
Parcel id:	45800160050001		
Township:	24		
Range:	2		
Meridian:	E		
Section:	21		
Quarter quarter1:	NW		
Quarter quarter2:	NE		
Elevation:	220		
Well address:	MANCHESTER		
Well city:	Not Reported		
Well state:	Not Reported		
Well zip:	Not Reported		
Date entered:	5/17/1993 0:00:00		
Owner first:	Not Reported		
Owner last:	MANCHESTER WATER DISTRICT		
Owner address1:	PO BOX 98		
Owner address2:	Not Reported		
Owner city:	MANCHESTER		
Owner state:	WA		
Owner zip:	Not Reported		
WI date:	5/22/1989 0:00:00	Water level:	122.40000000000001
Status:	Not Reported		

Well Log Information:

Well log id:	5202	Well id:	5216
Startcard:	027777	Waterright permitno:	Not Reported
Proposed use:	Municipal	Proposed type:	Not Reported
Type of work:	New Well	Drilling method:	Not Reported
Diameter of well:	8	Well depth drilled:	277
Well depth completed:	277	Elevation:	Not Reported
Pumpman:	Not Reported	Pumptype:	Not Reported
Pump modelno:	Not Reported	Pump horsepower:	Not Reported
Pump intake:	0	Start construction:	03/31/1989
End construction:	05/26/1989	Date entered:	05/17/1993
Fieldchecked by kpud:	0	Water temp:	0
chem anal:	1	Artpress date:	Not Reported
Art flow:	0	Artflow date:	Not Reported
Artpress:	Not Reported	Artcontrol:	Not Reported
Art elevation:	Not Reported	By whom:	by Driller
Bailer airtest yn:	0	perf yn:	0
screens yn:	1	Gravel packyn:	0
Surface seal yn:	1	Well test yn:	1
Survey date:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Geologic Information:

Well id:	5216	Geolog id:	11898
Geolog from:	0	Geolog to:	6
Material:	BROWN SAND		
Date entered:	05/17/1993		
Well id:	5216	Geolog id:	11899
Geolog from:	6	Geolog to:	20
Material:	BROWN SANDY CLAY		
Date entered:	05/17/1993		
Well id:	5216	Geolog id:	11900
Geolog from:	20	Geolog to:	26
Material:	BROWN CLAYEY SAND		
Date entered:	05/17/1993		
Well id:	5216	Geolog id:	11901
Geolog from:	26	Geolog to:	31
Material:	BROWN MEDIUM SAND		
Date entered:	05/17/1993		
Well id:	5216	Geolog id:	11902
Geolog from:	31	Geolog to:	50
Material:	BROWN FINE-MEDIUM SAND		
Date entered:	05/17/1993		
Well id:	5216	Geolog id:	11903
Geolog from:	50	Geolog to:	61
Material:	BROWN FINE-MEDIUM SAND, WATER		
Date entered:	05/17/1993		
Well id:	5216	Geolog id:	11904
Geolog from:	61	Geolog to:	122
Material:	BLUECLAY		
Date entered:	05/17/1993		
Well id:	5216	Geolog id:	21984
Geolog from:	122	Geolog to:	125
Material:	GREEN CLAY		
Date entered:	Not Reported		
Well id:	5216	Geolog id:	21985
Geolog from:	125	Geolog to:	128
Material:	BLUE SAND & GRAVEL, WATER		
Date entered:	Not Reported		
Well id:	5216	Geolog id:	21986
Geolog from:	128	Geolog to:	159
Material:	GRAY CLAY		
Date entered:	Not Reported		
Well id:	5216	Geolog id:	21987
Geolog from:	159	Geolog to:	170
Material:	DARK GRAY SAND & GRAVEL, WATER		
Date entered:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id:	5216	Geolog id:	21988
Geolog from:	170	Geolog to:	172
Material:	GRAVEL, BOULDER		
Date entered:	Not Reported		
Well id:	5216	Geolog id:	21989
Geolog from:	172	Geolog to:	204
Material:	CEMENTED GRAY SILTY SAND & GRAVEL		
Date entered:	Not Reported		
Well id:	5216	Geolog id:	21990
Geolog from:	204	Geolog to:	212
Material:	SILTY CEMENTED SAND&GRAV.,SOME CLAY		
Date entered:	Not Reported		
Well id:	5216	Geolog id:	21991
Geolog from:	212	Geolog to:	225
Material:	GREEN GRAVELLY CLAY & SAND		
Date entered:	Not Reported		
Well id:	5216	Geolog id:	21992
Geolog from:	225	Geolog to:	230
Material:	GREEN SAND W , CLAY LAYERS		
Date entered:	Not Reported		
Well id:	5216	Geolog id:	21993
Geolog from:	230	Geolog to:	232
Material:	GREEN-BROWN SANDY CLAY		
Date entered:	Not Reported		
Well id:	5216	Geolog id:	21994
Geolog from:	232	Geolog to:	254
Material:	BROWN SAND W , MINOR GRAVEL, WATER		
Date entered:	Not Reported		
Well id:	5216	Geolog id:	21995
Geolog from:	254	Geolog to:	267
Material:	BROWN GRAVEL & SAND, WATER		
Date entered:	Not Reported		
Well id:	5216	Geolog id:	21996
Geolog from:	267	Geolog to:	270
Material:	SAND & GRAVEL W , SILTY CLAY LAYERS		
Date entered:	Not Reported		
Well id:	5216	Geolog id:	21997
Geolog from:	270	Geolog to:	277
Material:	BRN.SILTY FN-MED.SAND,OCC.GRAV.,H2O		
Date entered:	Not Reported		
Casing Information:			
Well id:	5216	Casing id:	4728
Casing from:	-2	Casing to:	253.90000000000001
Casing diameter:	8	Casing thickness:	0
Casing type:	Welded	Date entered:	05/17/1993

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Screen Information:

Well id:	5216	Screen id:	3060
Screen from:	264	Screen to:	269.19999999999999
Screen man:	COOK	Screen type:	SS
Model num:	Not Reported	Screen diam:	8
Screen slotsize:	.02	Date entered:	Not Reported

Well id:	5216	Screen id:	3061
Screen from:	254	Screen to:	255.90000000000001
Screen man:	Not Reported	Screen type:	SS
Model num:	Not Reported	Screen diam:	8
Screen slotsize:	.014999999999999999	Date entered:	Not Reported

Well id:	5216	Screen id:	3062
Screen from:	256	Screen to:	264.10000000000002
Screen man:	Not Reported	Screen type:	SS
Model num:	Not Reported	Screen diam:	8
Screen slotsize:	.080000000000000002	Date entered:	Not Reported

Seal Information:

Well id:	5216	Seal id:	2496
Seal top:	0	Seal bottom:	2.0E+001
Seal material:	BENTONITE	Unusable water:	Not Reported
Water type:	Not Reported	Strata depth:	0
Seal method:	Not Reported	Date entered:	05/17/1993

Well test Recovery Information:

Wellid:	5216	Date of test:	05/25/1989
Testtype:	1	Time:	1
Waterlevel:	200		

Wellid:	5216	Date of test:	05/25/1989
Testtype:	1	Time:	10
Waterlevel:	133.31999999999999		

Wellid:	5216	Date of test:	05/25/1989
Testtype:	1	Time:	11
Waterlevel:	129.16999999999999		

Wellid:	5216	Date of test:	05/25/1989
Testtype:	1	Time:	195
Waterlevel:	126.34999999999999		

Wellid:	5216	Date of test:	05/25/1989
Testtype:	1	Time:	435
Waterlevel:	125.2		

Wellid:	5216	Date of test:	05/25/1989
Testtype:	1	Time:	1170
Waterlevel:	124.45999999999999		

Well Test Yield Information:

Wellid:	5216	Date of test:	05/25/1989
Test type:	1	Time:	24
Yield:	80	Drawdown:	113.5
Date entered:	05/17/1993		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Water Quality Information:

Sample id: -1738565678 Well id: 5216
 Sample id: 9/19/97 sample date: 09/19/1997
 Treated YN: 0
 Comments: COLLECTED BY MANCHESTER WATER. TWISS LAB#01018457

Sample id: -472221442 Well id: 5216
 Sample id: 4/13/99 sample date: 04/13/1999
 Treated YN: 0
 Comments: COLLECTED BY MANCHESTER WATER. TWISS LAB#01033710

Sample id: -1186991758 Well id: 5216
 Sample id: 7/22/93 sample date: 07/22/1993
 Treated YN: 0
 Comments: COLLECTED BY DON HOSKINSON. DEPARTMENT OF HEALTH LAB#10104236

Sample id: -1358345648 Well id: 5216
 Sample id: 9/28/98 sample date: 09/28/1998
 Treated YN: 0
 Comments: COLLECTED BY MANCHESTER WATER. TWISS LAB#01028558

Sample id: 1293 Well id: 5216
 Sample id: 3/15/93 sample date: 03/15/1993
 Treated YN: 0
 Comments: COLLECTED BY JACK MASTERS. DEPARTMENT OF HELTH LAB#5114410

Sample id: 1294 Well id: 5216
 Sample id: 3/18/93 sample date: 03/18/1993
 Treated YN: 0
 Comments: DEPARTMENT OF HEALTH PUBLIC LAB#5407357

Sample id: 2533 Well id: 5216
 Sample id: 5/26/89 sample date: 05/26/1989
 Treated YN: 0
 Comments: COLLECTED BY ROBINSON & NOBLE. WATER MANAGEMENT LAB#8903425

Sample id: 1272436273 Well id: 5216
 Sample id: 4/29/96 sample date: 04/29/1996
 Treated YN: 0
 Comments: COLLECTED BY DON HOSKINSON. TWISS LAB#01008144. CN done by Sound Analytical Services; Lab Code:107.

**P53
 NW
 1/2 - 1 Mile
 Higher**

WA WELLS WAK10000003587

Well id: 1463
 Doe site id: Not Reported
 Usgs site id: 473435122334301
 Internal project no: Not Reported
 Local name: Not Reported
 Local number: 24N/02E-16D01
 Water right permit no: Not Reported
 Parcel id: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Township: 24
 Range: 2
 Meridian: E
 Section: 16
 Quarter quarter1: NW
 Quarter quarter2: NW
 Elevation: 90
 Well address: Not Reported
 Well city: Not Reported
 Well state: Not Reported
 Well zip: Not Reported
 Date entered: 2/1/1988 0:00:00
 Owner first: Not Reported
 Owner last: Not Reported
 Owner address1: Not Reported
 Owner address2: Not Reported
 Owner city: Not Reported
 Owner state: Not Reported
 Owner zip: Not Reported
 WI date: 6/15/1982 0:00:00
 Status: Not Reported

Water level: 15

Well Log Information:

Well log id: 1463
 Startcard: Not Reported
 Proposed use: Not Reported
 Type of work: Not Reported
 Diameter of well: Not Reported
 Well depth completed: 340
 Pumpman: Not Reported
 Pump modelno: Not Reported
 Pump intake: 0
 End construction: 06/14/1982
 Fieldchecked by kpud: 0
 chem anal: 0
 Art flow: 0
 Artpress: Not Reported
 Art elevation: Not Reported
 Bailer airtest yn: 0
 screens yn: 0
 Surface seal yn: 1
 Survey date: Not Reported

Well id: 1463
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: AIR ROTARY
 Well depth drilled: 340
 Elevation: Not Reported
 Pumptype: Not Reported
 Pump horsepower: Not Reported
 Start construction: 06/14/1982
 Date entered: 02/01/1988
 Water temp: 0
 Artpress date: Not Reported
 Artflow date: Not Reported
 Artcontrol: Not Reported
 By whom: Not Reported
 perf yn: 0
 Gravel packyn: 0
 Well test yn: 1

Casing Information:

Well id: 1463
 Casing from: 0
 Casing diameter: 6
 Casing type: Not Reported

Casing id: 1245
 Casing to: 20
 Casing thickness: 0
 Date entered: 02/01/1988

Seal Information:

Well id: 1463
 Seal top: Not Reported
 Seal material: BENTONITE
 Water type: Not Reported
 Seal method: Not Reported

Seal id: 429
 Seal bottom: 1.8E+001
 Unusable water: Not Reported
 Strata depth: 0
 Date entered: 02/01/1988

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well test Recovery Information:

Wellid:	1463	Date of test:	06/15/1982
Testtype:	1	Time:	1
Waterlevel:	0		

Well Test Yield Information:

Wellid:	1463	Date of test:	06/15/1982
Test type:	1	Time:	1
Yield:	1	Drawdown:	0
Date entered:	02/01/1988		

54

**West
1/2 - 1 Mile
Higher**

FED USGS USGS3277304

Agency cd:	USGS	Site no:	473417122335401
Site name:	24N/02E-16E02		
Latitude:	473417	EDR Site id:	USGS3277304
Longitude:	1223354	Dec lat:	47.57120756
Dec lon:	-122.5662464	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	035
Country:	US	Land net:	SW NW S16 T24N R02E W
Location map:	BREMERTON EAST	Map scale:	24000
Altitude:	95		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Undulating		
Site type:	Ground-water other than Spring	Date construction:	19560101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	114	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1967-05-11
Water quality data end date:	1978-07-24	Water quality data count:	2
Ground water data begin date:	1956-03-01	Ground water data end date:	1956-03-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1956-03-01	30	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

55
West
1/2 - 1 Mile
Higher

WA WELLS WAK10000003487

Well id: 1412
 Doe site id: Not Reported
 Usgs site id: 473409122335901
 Internal project no: Not Reported
 Local name: Not Reported
 Local number: 24N/02E-17J01
 Water right permit no: Not Reported
 Parcel id: Not Reported
 Township: 24
 Range: 2
 Meridian: E
 Section: 17
 Quarter quarter1: NE
 Quarter quarter2: SE
 Elevation: 100
 Well address: Not Reported
 Well city: Not Reported
 Well state: Not Reported
 Well zip: Not Reported
 Date entered: 7/20/1988 0:00:00
 Owner first: KEVIN
 Owner last: KILBRIDGE
 Owner address1: 6350 E BEAVER CREEK ROAD
 Owner address2: Not Reported
 Owner city: PORT ORCHARD
 Owner state: WA
 Owner zip: 98366
 WI date: 2/14/1987 0:00:00
 Status: Not Reported

Water level: 36

Well Log Information:

Well log id: 1412
 Startcard: Not Reported
 Proposed use: Domestic
 Type of work: New Well
 Diameter of well: 6
 Well depth completed: 154
 Pumpman: BERKELEY
 Pump modelno: 1/2 HP
 Pump intake: 0
 End construction: 02/14/1987
 Fieldchecked by kpud: 0
 chem anal: 0
 Art flow: 0
 Artpress: Not Reported
 Art elevation: Not Reported
 Bailer airtest yn: 0
 screens yn: 1
 Surface seal yn: 1
 Survey date: Not Reported

Well id: 1412
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: Rotary
 Well depth drilled: 154
 Elevation: Not Reported
 Pumptype: SUB
 Pump horsepower: Not Reported
 Start construction: 02/12/1987
 Date entered: 07/20/1988
 Water temp: 0
 Artpress date: Not Reported
 Artflow date: Not Reported
 Artcontrol: Not Reported
 By whom: Not Reported
 perf yn: 0
 Gravel packyn: 0
 Well test yn: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Geologic Information:

Well id:	1412	Geolog id:	2296
Geolog from:	0	Geolog to:	2
Material:	BROWN SAND GRAVEL SOME CLAY		
Date entered:	07/26/1988		

Well id:	1412	Geolog id:	2297
Geolog from:	2	Geolog to:	3
Material:	BRN SAND GRVL SOME CLAY SEEPS H2O		
Date entered:	07/26/1988		

Well id:	1412	Geolog id:	2298
Geolog from:	3	Geolog to:	17
Material:	BRN SAND GRVL CLAY STRAKS S,G,CL		
Date entered:	07/26/1988		

Well id:	1412	Geolog id:	2299
Geolog from:	17	Geolog to:	50
Material:	BROWN CLAY		
Date entered:	07/26/1988		

Well id:	1412	Geolog id:	2300
Geolog from:	50	Geolog to:	101
Material:	GRAY CLAY		
Date entered:	07/26/1988		

Well id:	1412	Geolog id:	2301
Geolog from:	101	Geolog to:	109
Material:	GRAY SAND WATER		
Date entered:	07/26/1988		

Well id:	1412	Geolog id:	2302
Geolog from:	109	Geolog to:	140
Material:	GRAY CLAY		
Date entered:	07/26/1988		

Well id:	1412	Geolog id:	56632
Geolog from:	140	Geolog to:	154
Material:	GRAY SAND WATER		
Date entered:	02/20/1997		

Casing Information:

Well id:	1412	Casing id:	1204
Casing from:	0	Casing to:	148
Casing diameter:	6	Casing thickness:	0
Casing type:	Not Reported	Date entered:	07/20/1988

Screen Information:

Well id:	1412	Screen id:	634
Screen from:	149	Screen to:	154
Screen man:	JOHNSON	Screen type:	SS
Model num:	Not Reported	Screen diam:	6
Screen slotsize:	.017999999999999999	Date entered:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Seal Information:

Well id:	1412	Seal id:	418
Seal top:	0	Seal bottom:	1.8E+001
Seal material:	BENTONITE	Unusable water:	Not Reported
Water type:	Not Reported	Strata depth:	0
Seal method:	Not Reported	Date entered:	07/20/1988

Well Test Yield Information:

Wellid:	1412	Date of test:	02/14/1987
Test type:	2	Time:	1
Yield:	20	Drawdown:	15
Date entered:	05/27/1996		

**Q56
South
1/2 - 1 Mile
Higher**

WA WELLS WA6000000013287

Objectid:	9828	Pwssrcid:	5070011
Oid :	14174	Pwsid:	50700
Srcnum:	11	Systemname:	MANCHESTER WATER DISTRICT
Systemgrp:	A	Systemtype:	Comm
Region:	Southwest	County:	KITSAP
Srcname:	WELL # 11 AAB493	Srctype:	Ground Water - Well
Srcuse:	Permanent		
Longitude:	-122.55513		
Latitude:	47.56148		
Locmethod:	GPS	Srctsuscept:	Low
Dayphone:	(360) 871-0500	Addr1:	MANCHESTER WATER DISTRICT
Addr2:	PO BOX 98	City:	MANCHESTER
State:	WA	Zip:	98353
Emailaddr:	doconnell@manchesterwater.org	Site id:	WA6000000013287

**P57
NW
1/2 - 1 Mile
Higher**

FED USGS USGS3277355

Agency cd:	USGS	Site no:	473435122334301
Site name:	24N/02E-16D01		
Latitude:	473435	EDR Site id:	USGS3277355
Longitude:	1223343	Dec lat:	47.5762076
Dec lon:	-122.56319081	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	035
Country:	US	Land net:	NW NW S16 T24N R02E W
Location map:	BREMERTON EAST	Map scale:	24000
Altitude:	90		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19820614
Date inventoried:	Not Reported	Mean greenwich time offset:	PST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag: Y
 Type of ground water site: Single well, other than collector or Ranney type
 Aquifer Type: Not Reported
 Aquifer: Not Reported
 Well depth: 340 Hole depth: 340
 Source of depth data: driller
 Project number: Not Reported
 Real time data flag: 0 Daily flow data begin date: 0000-00-00
 Daily flow data end date: 0000-00-00 Daily flow data count: 0
 Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00
 Peak flow data count: 0 Water quality data begin date: 0000-00-00
 Water quality data end date:0000-00-00 Water quality data count: 0
 Ground water data begin date: 1982-06-15 Ground water data end date: 1982-06-15
 Ground water data count: 1

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1982-06-15	15	

Q58
South
1/2 - 1 Mile
Higher

WA WELLS WA6000000013285

Objectid: 9827	Pwssrcid: 5070010
Oid : 14173	Pwsid: 50700
Srcnum: 10	Systemname: MANCHESTER WATER DISTRICT
Systemgrp: A	Systemtype: Comm
Region: Southwest	County: KITSAP
Srcname: WELL #10 AAB743	Srctype: Ground Water - Well
Srcuse: Permanent	
Longitude: -122.55505	
Latitude: 47.56133	
Locmethod: GPS	Srcsuscept: Low
Dayphone: (360) 871-0500	Addr1: MANCHESTER WATER DISTRICT
Addr2: PO BOX 98	City: MANCHESTER
State: WA	Zip: 98353
Emailaddr: doconnell@manchesterwater.org	Site id: WA6000000013285

O59
South
1/2 - 1 Mile
Higher

WA WELLS WAK100000003376

Well id: 5391
 Doe site id: AAB492
 Usgs site id: 473337122331301
 Internal project no: Not Reported
 Local name: MANCHESTER WD WELL 10
 Local number: 24N/02E-21B05
 Water right permit no: Not Reported
 Parcel id: 45800160050001

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Township:	24		
Range:	2		
Meridian:	E		
Section:	21		
Quarter quarter1:	NW		
Quarter quarter2:	NE		
Elevation:	220		
Well address:	Not Reported		
Well city:	Not Reported		
Well state:	Not Reported		
Well zip:	Not Reported		
Date entered:	5/17/1993 0:00:00		
Owner first:	Not Reported		
Owner last:	MANCHESTER WATER DISTRICT		
Owner address1:	PO BOX 98		
Owner address2:	Not Reported		
Owner city:	MANCHESTER		
Owner state:	WA		
Owner zip:	98353		
WI date:	8/4/1988 0:00:00	Water level:	175.75
Status:	Not Reported		

Well Log Information:

Well log id:	11188	Well id:	5391
Startcard:	Not Reported	Waterright permitno:	Not Reported
Proposed use:	Municipal	Proposed type:	Not Reported
Type of work:	New Well	Drilling method:	Cable
Diameter of well:	8	Well depth drilled:	359
Well depth completed:	356	Elevation:	Not Reported
Pumpman:	Not Reported	Pumptype:	Not Reported
Pump modelno:	Not Reported	Pump horsepower:	Not Reported
Pump intake:	0	Start construction:	05/18/1988
End construction:	08/05/1988	Date entered:	02/21/1997
Fieldchecked by kpud:	0	Water temp:	49.5
chem anal:	1	Artpress date:	Not Reported
Art flow:	0	Artflow date:	Not Reported
Artpress:	Not Reported	Artcontrol:	Not Reported
Art elevation:	Not Reported	By whom:	RONBINSON & NOBLES
Bailer airtest yn:	0	perf yn:	0
screens yn:	1	Gravel packyn:	0
Surface seal yn:	1	Well test yn:	1
Survey date:	Not Reported		

Geologic Information:

Well id:	5391	Geolog id:	12743
Geolog from:	0	Geolog to:	2
Material:	FILL		
Date entered:	09/21/1988		

Well id:	5391	Geolog id:	12744
Geolog from:	2	Geolog to:	10
Material:	BROWN SAND		
Date entered:	09/21/1988		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id:	5391	Geolog id:	12745
Geolog from:	10	Geolog to:	19
Material:	BROWN SANDY CLAY		
Date entered:	09/21/1988		
Well id:	5391	Geolog id:	12746
Geolog from:	19	Geolog to:	35
Material:	BROWN M-C SAND WITH SILT		
Date entered:	09/21/1988		
Well id:	5391	Geolog id:	12747
Geolog from:	35	Geolog to:	43
Material:	BROWN SAND WITH CLAY LAYERS		
Date entered:	09/21/1988		
Well id:	5391	Geolog id:	12748
Geolog from:	43	Geolog to:	58
Material:	GRAYISH BWN F-M SAND, SOME GRVL,H2O		
Date entered:	09/21/1988		
Well id:	5391	Geolog id:	12749
Geolog from:	58	Geolog to:	140
Material:	GRAY CLAY		
Date entered:	09/21/1988		
Well id:	5391	Geolog id:	22400
Geolog from:	140	Geolog to:	147
Material:	DK GRAY CLAY W ,SAND & GRAVEL		
Date entered:	Not Reported		
Well id:	5391	Geolog id:	22401
Geolog from:	147	Geolog to:	166
Material:	GRAY CLAY W ,SAND & GRAVL LAYERS,H2O		
Date entered:	Not Reported		
Well id:	5391	Geolog id:	22402
Geolog from:	166	Geolog to:	185
Material:	GRAY CLAYEY, SANDY SILT, SOME GRAVL		
Date entered:	Not Reported		
Well id:	5391	Geolog id:	22403
Geolog from:	185	Geolog to:	215
Material:	SILT TO SILTY CLAY, SOME SAND&GRAVL		
Date entered:	Not Reported		
Well id:	5391	Geolog id:	22404
Geolog from:	215	Geolog to:	224
Material:	GRAY SANDY SILT		
Date entered:	Not Reported		
Well id:	5391	Geolog id:	22405
Geolog from:	224	Geolog to:	225
Material:	LAMINATED CLAY		
Date entered:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id:	5391	Geolog id:	22406
Geolog from:	225	Geolog to:	243
Material:	BROWN SILTY SAND, MINOR WATER		
Date entered:	Not Reported		
Well id:	5391	Geolog id:	22407
Geolog from:	243	Geolog to:	267
Material:	GRY-BRN S & G PARTLY CEMENTD, H2O		
Date entered:	Not Reported		
Well id:	5391	Geolog id:	22408
Geolog from:	267	Geolog to:	284
Material:	RED-BRN S & G PARTLY CEMENTD, H2O		
Date entered:	Not Reported		
Well id:	5391	Geolog id:	22409
Geolog from:	284	Geolog to:	292
Material:	BRN SAND & GRAVEL IN SILT		
Date entered:	Not Reported		
Well id:	5391	Geolog id:	22410
Geolog from:	292	Geolog to:	295
Material:	BRN SAND, WATER		
Date entered:	Not Reported		
Well id:	5391	Geolog id:	22411
Geolog from:	295	Geolog to:	311
Material:	GRAY SAND, SOME GRAVEL, WATER		
Date entered:	Not Reported		
Well id:	5391	Geolog id:	22412
Geolog from:	311	Geolog to:	321
Material:	GRAY SAND & GRAVEL IN SILT & CLAY		
Date entered:	Not Reported		
Well id:	5391	Geolog id:	22413
Geolog from:	321	Geolog to:	326
Material:	BRN->RED-BRN SAND & GRAVEL, WATER		
Date entered:	Not Reported		
Well id:	5391	Geolog id:	22414
Geolog from:	326	Geolog to:	331
Material:	BRN SAND & GRAVEL IN SILT		
Date entered:	Not Reported		
Well id:	5391	Geolog id:	22415
Geolog from:	331	Geolog to:	350
Material:	RED-BRN TO GRY-BRN S & G, H2O		
Date entered:	Not Reported		
Well id:	5391	Geolog id:	22416
Geolog from:	350	Geolog to:	359
Material:	BRN->GRY S,SOME G,BECOMES SILTY,H2O		
Date entered:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Information:

Well id:	5391	Casing id:	4900
Casing from:	-1.8	Casing to:	331
Casing diameter:	8	Casing thickness:	0
Casing type:	Not Reported	Date entered:	05/17/1993

Screen Information:

Well id:	5391	Screen id:	3219
Screen from:	329	Screen to:	350.39999999999998
Screen man:	JOHNSON	Screen type:	SS
Model num:	Not Reported	Screen diam:	8
Screen slotsize:	.05999999999999998	Date entered:	Not Reported

Seal Information:

Well id:	5391	Seal id:	2690
Seal top:	0	Seal bottom:	1.8E+001
Seal material:	BENTONITE	Unusable water:	Not Reported
Water type:	Not Reported	Strata depth:	0
Seal method:	Not Reported	Date entered:	05/17/1993

Well test Recovery Information:

Wellid:	5391	Date of test:	08/04/1988
Testtype:	1	Time:	1
Waterlevel:	214.69999999999999		

Wellid:	5391	Date of test:	08/04/1988
Testtype:	1	Time:	5
Waterlevel:	179.84		

Wellid:	5391	Date of test:	08/04/1988
Testtype:	1	Time:	10
Waterlevel:	180.28999999999999		

Wellid:	5391	Date of test:	08/04/1988
Testtype:	1	Time:	20
Waterlevel:	180.12		

Wellid:	5391	Date of test:	08/04/1988
Testtype:	1	Time:	30
Waterlevel:	179.53		

Wellid:	5391	Date of test:	08/04/1988
Testtype:	1	Time:	40
Waterlevel:	179.09		

Wellid:	5391	Date of test:	08/04/1988
Testtype:	1	Time:	60
Waterlevel:	178.44999999999999		

Wellid:	5391	Date of test:	08/04/1988
Testtype:	1	Time:	100
Waterlevel:	177.53999999999999		

Wellid:	5391	Date of test:	08/04/1988
Testtype:	1	Time:	240
Waterlevel:	175.81999999999999		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Test Yield Information:

Wellid:	5391	Date of test:	08/04/1988
Test type:	1	Time:	24
Yield:	310	Drawdown:	136.90000000000001
Date entered:	05/17/1993		

Water Quality Information:

Sample id:	-1983231369	Well id:	5391
Sample id:	7/22/93	sample date:	07/22/1993
Treated YN:	0		
Comments:	COLLECTED BY DON HOSKINSON. DEPARTMENT OF HEALTH LAB#10104237		

Sample id:	-802619142	Well id:	5391
Sample id:	9/19/97	sample date:	09/19/1997
Treated YN:	0		
Comments:	COLLECTED BY MANCHESTER WATER. TWISS LAB#01018456		

Sample id:	1288	Well id:	5391
Sample id:	8/5/88	sample date:	08/05/1988
Treated YN:	0		
Comments:	COLLECTED BY ROBINSON AND NOBLE. WATER MANAGEMENT LAB#8902060		

Sample id:	1289	Well id:	5391
Sample id:	3/18/93	sample date:	03/18/1993
Treated YN:	0		
Comments:	COLLECTED BY JACK MASTERS. DEPARTMENT OF HEALTH LAB#5114409.		

Sample id:	1290	Well id:	5391
Sample id:	4/15/93	sample date:	04/15/1993
Treated YN:	0		
Comments:	DEPARTMENT OF HEALTH. LAB#5225703. RESAMPLE		

Sample id:	733509560	Well id:	5391
Sample id:	9/28/98	sample date:	09/28/1998
Treated YN:	0		
Comments:	COLLECTED BY MANCHESTER WATER. TWISS LAB#01028557		

Sample id:	2142110886	Well id:	5391
Sample id:	4/13/99	sample date:	04/13/1999
Treated YN:	0		
Comments:	COLLECTED BY MANCHESTER WATER. TWISS LAB#01033709		

**N60
WNW
1/2 - 1 Mile
Higher**

FED USGS USGS3277322

Agency cd:	USGS	Site no:	473423122335501
Site name:	24N/02E-16E01		
Latitude:	473423	EDR Site id:	USGS3277322
Longitude:	1223355	Dec lat:	47.57287422
Dec lon:	-122.56652424	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	035
Country:	US	Land net:	SW NW S16 T24N R02E W
Location map:	Not Reported	Map scale:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude:	100		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19490101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	86	Hole depth:	Not Reported
Source of depth data:	driller		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

R61
SSW
1/2 - 1 Mile
Higher

WA WELLS WAK10000003378

Well id:	1364
Doe site id:	Not Reported
Usgs site id:	473341122332401
Internal project no:	Not Reported
Local name:	Not Reported
Local number:	24N/02E-21C02
Water right permit no:	Not Reported
Parcel id:	Not Reported
Township:	24
Range:	2
Meridian:	E
Section:	21
Quarter quarter1:	NE
Quarter quarter2:	NW
Elevation:	240
Well address:	Not Reported
Well city:	Not Reported
Well state:	Not Reported
Well zip:	Not Reported
Date entered:	2/1/1988 0:00:00
Owner first:	Not Reported
Owner last:	Not Reported
Owner address1:	Not Reported
Owner address2:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Owner city: Not Reported
 Owner state: Not Reported
 Owner zip: Not Reported
 WI date: Not Reported
 Status: Not Reported

Water level: 6

Well Log Information:

Well log id: 1364
 Startcard: Not Reported
 Proposed use: Not Reported
 Type of work: Not Reported
 Diameter of well: Not Reported
 Well depth completed: 12
 Pumpman: Not Reported
 Pump modelno: Not Reported
 Pump intake: 0
 End construction: Not Reported
 Fieldchecked by kpud: 0
 chem anal: 0
 Art flow: 0
 Artpress: Not Reported
 Art elevation: Not Reported
 Bailer airtest yn: 0
 screens yn: 0
 Surface seal yn: 0
 Survey date: Not Reported

Well id: 1364
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: DUG
 Well depth drilled: Not Reported
 Elevation: Not Reported
 Pumptype: Not Reported
 Pump horsepower: Not Reported
 Start construction: Not Reported
 Date entered: 02/01/1988
 Water temp: 0
 Artpress date: Not Reported
 Artflow date: Not Reported
 Artcontrol: Not Reported
 By whom: Not Reported
 perf yn: 0
 Gravel packyn: 0
 Well test yn: 0

Casing Information:

Well id: 1364
 Casing from: Not Reported
 Casing diameter: 30
 Casing type: Not Reported

Casing id: 1168
 Casing to: Not Reported
 Casing thickness: 0
 Date entered: 02/01/1988

**S62
 NNW
 1/2 - 1 Mile
 Higher**

WA WELLS WAK10000003610

Well id: 1474
 Doe site id: Not Reported
 Usgs site id: 473444122332701
 Internal project no: Not Reported
 Local name: Not Reported
 Local number: 24N/02E-09P01
 Water right permit no: Not Reported
 Parcel id: Not Reported
 Township: 24
 Range: 2
 Meridian: E
 Section: 9
 Quarter quarter1: SE
 Quarter quarter2: SW
 Elevation: 80

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well address: Not Reported
 Well city: Not Reported
 Well state: Not Reported
 Well zip: Not Reported
 Date entered: 2/1/1988 0:00:00
 Owner first: Not Reported
 Owner last: Not Reported
 Owner address1: Not Reported
 Owner address2: Not Reported
 Owner city: Not Reported
 Owner state: Not Reported
 Owner zip: Not Reported
 WI date: Not Reported
 Status: Not Reported

Water level: 9

Well Log Information:

Well log id: 1474
 Startcard: Not Reported
 Proposed use: Not Reported
 Type of work: Not Reported
 Diameter of well: Not Reported
 Well depth completed: 24
 Pumpman: Not Reported
 Pump modelno: Not Reported
 Pump intake: 0
 End construction: Not Reported
 Fieldchecked by kpud: 0
 chem anal: 0
 Art flow: 0
 Artpress: Not Reported
 Art elevation: Not Reported
 Bailer airtest yn: 0
 screens yn: 0
 Surface seal yn: 0
 Survey date: Not Reported

Well id: 1474
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: Not Reported
 Well depth drilled: Not Reported
 Elevation: Not Reported
 Pumptype: Not Reported
 Pump horsepower: Not Reported
 Start construction: Not Reported
 Date entered: 02/01/1988
 Water temp: 0
 Artpress date: Not Reported
 Artflow date: Not Reported
 Artcontrol: Not Reported
 By whom: Not Reported
 perf yn: 0
 Gravel packyn: 0
 Well test yn: 0

Casing Information:

Well id: 1474
 Casing from: Not Reported
 Casing diameter: 66
 Casing type: Not Reported

Casing id: 1256
 Casing to: Not Reported
 Casing thickness: 0
 Date entered: 02/01/1988

**S63
 NNW
 1/2 - 1 Mile
 Higher**

FED USGS USGS3277387

Agency cd: USGS
 Site name: 24N/02E-09P01
 Latitude: 473444
 Longitude: 1223327
 Dec lon: -122.55874616
 Coor accr: S
 Dec latlong datum: NAD83
 State: 53
 Country: US
 Location map: Not Reported

Site no: 473444122332701
 EDR Site id: USGS3277387
 Dec lat: 47.57870766
 Coor meth: M
 Latlong datum: NAD27
 District: 53
 County: 035
 Land net: SE SW S09 T24N R02E W
 Map scale: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude: 80
 Altitude method: Interpolated from topographic map
 Altitude accuracy: 10
 Altitude datum: National Geodetic Vertical Datum of 1929
 Hydrologic: Puget Sound. Washington. Area = 2550 sq.mi.
 Topographic: Hillside (slope)
 Site type: Ground-water other than Spring Date construction: Not Reported
 Date inventoried: Not Reported Mean greenwich time offset: PST
 Local standard time flag: Y
 Type of ground water site: Single well, other than collector or Ranney type
 Aquifer Type: Not Reported
 Aquifer: Not Reported
 Well depth: 24 Hole depth: Not Reported
 Source of depth data: reporting agency (generally USGS)
 Project number: Not Reported
 Real time data flag: 0 Daily flow data begin date: 0000-00-00
 Daily flow data end date: 0000-00-00 Daily flow data count: 0
 Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00
 Peak flow data count: 0 Water quality data begin date: 0000-00-00
 Water quality data end date: 0000-00-00 Water quality data count: 0
 Ground water data begin date: 1967-02-01 Ground water data end date: 1967-02-01
 Ground water data count: 1

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1967-02-01	9	

**R64
SSW
1/2 - 1 Mile
Higher**

FED USGS USGS3277193

Agency cd: USGS Site no: 473341122332401
 Site name: 24N/02E-21C01
 Latitude: 473341 EDR Site id: USGS3277193
 Longitude: 1223324 Dec lat: 47.56120773
 Dec lon: -122.55791227 Coor meth: M
 Coor acc: S Latlong datum: NAD27
 Dec latlong datum: NAD83 District: 53
 State: 53 County: 035
 Country: US Land net: NE NW S21 T24N R02E W
 Location map: Not Reported Map scale: Not Reported
 Altitude: 235
 Altitude method: Interpolated from topographic map
 Altitude accuracy: 10
 Altitude datum: National Geodetic Vertical Datum of 1929
 Hydrologic: Puget Sound. Washington. Area = 2550 sq.mi.
 Topographic: Not Reported
 Site type: Ground-water other than Spring Date construction: 19670101
 Date inventoried: Not Reported Mean greenwich time offset: PST
 Local standard time flag: Y
 Type of ground water site: Single well, other than collector or Ranney type
 Aquifer Type: Not Reported
 Aquifer: Not Reported
 Well depth: 12 Hole depth: Not Reported
 Source of depth data: reporting agency (generally USGS)
 Project number: Not Reported
 Real time data flag: 0 Daily flow data begin date: 0000-00-00
 Daily flow data end date: 0000-00-00 Daily flow data count: 0
 Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0
 Water quality data end date: 0000-00-00
 Ground water data begin date: 1967-04-01
 Ground water data count: 1

Water quality data begin date: 0000-00-00
 Water quality data count: 0
 Ground water data end date: 1967-04-01

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1967-04-01	6	

**65
SW
1/2 - 1 Mile
Higher**

WA WELLS WAK10000003438

**T66
SSE
1/2 - 1 Mile
Higher**

WA WELLS WAK10000003368

Well id: 1361
 Doe site id: Not Reported
 Usgs site id: 473339122330201
 Internal project no: Not Reported
 Local name: Not Reported
 Local number: 24N/02E-21B02
 Water right permit no: Not Reported
 Parcel id: Not Reported
 Township: 24
 Range: 2
 Meridian: E
 Section: 21
 Quarter quarter1: NW
 Quarter quarter2: NE
 Elevation: 180
 Well address: Not Reported
 Well city: Not Reported
 Well state: Not Reported
 Well zip: Not Reported
 Date entered: 2/1/1988 0:00:00
 Owner first: Not Reported
 Owner last: Not Reported
 Owner address1: Not Reported
 Owner address2: Not Reported
 Owner city: Not Reported
 Owner state: Not Reported
 Owner zip: Not Reported
 WI date: Not Reported
 Status: Not Reported

Water level: 90

Well Log Information:

Well log id: 1361
 Startcard: Not Reported
 Proposed use: Not Reported
 Type of work: Not Reported
 Diameter of well: Not Reported
 Well depth completed: 108
 Pumpman: Not Reported
 Pump modelno: Not Reported
 Pump intake: 0
 End construction: Not Reported

Well id: 1361
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: CABLE
 Well depth drilled: Not Reported
 Elevation: Not Reported
 Pumptype: Not Reported
 Pump horsepower: Not Reported
 Start construction: Not Reported
 Date entered: 02/01/1988

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Fieldchecked by kpud:	0	Water temp:	0
chem anal:	0	Artpress date:	Not Reported
Art flow:	0	Artflow date:	Not Reported
Artpress:	Not Reported	Artcontrol:	Not Reported
Art elevation:	Not Reported	By whom:	Not Reported
Bailer airtest yn:	0	perf yn:	0
screens yn:	0	Gravel packyn:	0
Surface seal yn:	0	Well test yn:	0
Survey date:	Not Reported		

Casing Information:			
Well id:	1361	Casing id:	1165
Casing from:	Not Reported	Casing to:	Not Reported
Casing diameter:	6	Casing thickness:	0
Casing type:	Not Reported	Date entered:	02/01/1988

**T67
South
1/2 - 1 Mile
Higher**

FED USGS USGS3277179

Agency cd:	USGS	Site no:	473339122330201
Site name:	24N/02E-21B01	EDR Site id:	USGS3277179
Latitude:	473339	Dec lat:	47.56065228
Longitude:	1223302	Coor meth:	M
Dec lon:	-122.55180079	Latlong datum:	NAD27
Coor accr:	S	District:	53
Dec latlong datum:	NAD83	County:	035
State:	53	Land net:	NW NE S21 T24N R02E W
Country:	US	Map scale:	Not Reported
Location map:	Not Reported		
Altitude:	180		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19490101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	108	Hole depth:	Not Reported
Source of depth data:	owner		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1949-03-01	Ground water data end date:	1949-03-01
Ground water data count:	1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1949-03-01	90	

**U68
SSW
1/2 - 1 Mile
Higher**

WA WELLS WAK10000003367

Well id: 1362
 Doe site id: Not Reported
 Usgs site id: 473339122333001
 Internal project no: Not Reported
 Local name: Not Reported
 Local number: 24N/02E-21C01
 Water right permit no: Not Reported
 Parcel id: Not Reported
 Township: 24
 Range: 2
 Meridian: E
 Section: 21
 Quarter quarter1: NE
 Quarter quarter2: NW
 Elevation: 250
 Well address: Not Reported
 Well city: Not Reported
 Well state: Not Reported
 Well zip: Not Reported
 Date entered: 2/1/1988 0:00:00
 Owner first: Not Reported
 Owner last: Not Reported
 Owner address1: Not Reported
 Owner address2: Not Reported
 Owner city: Not Reported
 Owner state: Not Reported
 Owner zip: Not Reported
 WI date: 1/1/1975 0:00:00
 Status: Not Reported

Water level: 134

Well Log Information:

Well log id: 1362
 Startcard: Not Reported
 Proposed use: Not Reported
 Type of work: Not Reported
 Diameter of well: Not Reported
 Well depth completed: 267
 Pumpman: Not Reported
 Pump modelno: Not Reported
 Pump intake: 0
 End construction: 01/01/1975
 Fieldchecked by kpud: 0
 chem anal: 0
 Art flow: 0
 Artpress: Not Reported
 Art elevation: Not Reported
 Bailer airstest yn: 0
 screens yn: 1
 Surface seal yn: 0
 Survey date: Not Reported

Well id: 1362
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: CABLE
 Well depth drilled: Not Reported
 Elevation: Not Reported
 Pumptype: Not Reported
 Pump horsepower: Not Reported
 Start construction: 01/01/1975
 Date entered: 02/01/1988
 Water temp: 0
 Artpress date: Not Reported
 Artflow date: Not Reported
 Artcontrol: Not Reported
 By whom: Not Reported
 perf yn: 0
 Gravel packyn: 0
 Well test yn: 1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Information:

Well id:	1362	Casing id:	1166
Casing from:	Not Reported	Casing to:	Not Reported
Casing diameter:	6	Casing thickness:	0
Casing type:	Not Reported	Date entered:	02/01/1988

Screen Information:

Well id:	1362	Screen id:	618
Screen from:	0	Screen to:	261
Screen man:	Not Reported	Screen type:	Not Reported
Model num:	Not Reported	Screen diam:	Not Reported
Screen slotsize:	Not Reported	Date entered:	Not Reported

Well test Recovery Information:

Wellid:	1362	Date of test:	01/01/1901
Testtype:	1	Time:	1
Waterlevel:	241		

Well Test Yield Information:

Wellid:	1362	Date of test:	01/01/1901
Test type:	1	Time:	1
Yield:	20	Drawdown:	0
Date entered:	02/01/1988		

**V69
SW
1/2 - 1 Mile
Higher**

WA WELLS WA600000013292

Objectid:	18067	Pwssrcid:	0229001
Oid :	1979	Pwsid:	02290
Srccnum:	01	Systemname:	COYOTE FLATS
Systemgrp:	B	Systemtype:	GRPB
Region:	Southwest	County:	KITSAP
Srccname:	COYOTE FLATS	Srctype:	Ground Water - Well
Srccuse:	Permanent		
Longitude:	-122.56361	Srccsuscept:	Not Rated
Latitude:	47.5625	Addr1:	Not Reported
Locmethod:	GPS	City:	PORT ORCHARD
Dayphone:	(360) 779-7656	Zip:	98366
Addr2:	P O BOX 348	Site id:	WA6000000013292
State:	WA		
Emailaddr:	Not Reported		

**V70
SW
1/2 - 1 Mile
Higher**

WA WELLS WAK10000003405

Well id:	5003
Doe site id:	AAA991
Usgs site id:	473345122334901
Internal project no:	Not Reported
Local name:	COYOTE FLATS (SO-1)
Local number:	24N/02E-16N02
Water right permit no:	Not Reported
Parcel id:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Township:	24		
Range:	2		
Meridian:	E		
Section:	16		
Quarter quarter1:	SW		
Quarter quarter2:	SW		
Elevation:	206		
Well address:	Not Reported		
Well city:	Not Reported		
Well state:	Not Reported		
Well zip:	Not Reported		
Date entered:	7/23/1993 0:00:00		
Owner first:	Not Reported		
Owner last:	BRAVIN CONSTRUCTION		
Owner address1:	PO BOX 348		
Owner address2:	Not Reported		
Owner city:	PORT ORCHARD		
Owner state:	WA		
Owner zip:	98366		
WI date:	11/13/1992 0:00:00	Water level:	126
Status:	Not Reported		

Well Log Information:

Well log id:	4986	Well id:	5003
Startcard:	200875	Waterright permitno:	Not Reported
Proposed use:	Domestic	Proposed type:	Not Reported
Type of work:	New Well	Drilling method:	Not Reported
Diameter of well:	6	Well depth drilled:	298
Well depth completed:	298	Elevation:	Not Reported
Pumpman:	Not Reported	Pumptype:	Not Reported
Pump modelno:	Not Reported	Pump horsepower:	Not Reported
Pump intake:	0	Start construction:	10/16/1992
End construction:	11/13/1992	Date entered:	07/23/1993
Fieldchecked by kpud:	0	Water temp:	0
chem anal:	0	Artpress date:	Not Reported
Art flow:	0	Artflow date:	Not Reported
Artpress:	Not Reported	Artcontrol:	Not Reported
Art elevation:	Not Reported	By whom:	Not Reported
Bailer airtest yn:	0	perf yn:	0
screens yn:	1	Gravel packyn:	0
Surface seal yn:	1	Well test yn:	0
Survey date:	Not Reported		

Geologic Information:

Well id:	5003	Geolog id:	10797
Geolog from:	0	Geolog to:	22
Material:	BROWN CLAY, SAND		
Date entered:	05/12/1993		

Well id:	5003	Geolog id:	10798
Geolog from:	22	Geolog to:	34
Material:	BLUECLAY		
Date entered:	05/12/1993		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id:	5003	Geolog id:	10799
Geolog from:	34	Geolog to:	77
Material:	BROWN CLAY, SAND		
Date entered:	05/12/1993		
Well id:	5003	Geolog id:	10800
Geolog from:	77	Geolog to:	96
Material:	HARD BROWN TILL		
Date entered:	05/12/1993		
Well id:	5003	Geolog id:	10801
Geolog from:	96	Geolog to:	99
Material:	BROWN SAND & GRAVEL, SEEP		
Date entered:	05/12/1993		
Well id:	5003	Geolog id:	10802
Geolog from:	99	Geolog to:	103
Material:	DRY GRAY TILL		
Date entered:	05/12/1993		
Well id:	5003	Geolog id:	10803
Geolog from:	103	Geolog to:	116
Material:	BLUECLAY, SMALL ROCKS		
Date entered:	05/12/1993		
Well id:	5003	Geolog id:	21430
Geolog from:	116	Geolog to:	125
Material:	BLUECLAY		
Date entered:	Not Reported		
Well id:	5003	Geolog id:	21431
Geolog from:	125	Geolog to:	126
Material:	BROWN TILL, SEEPS		
Date entered:	Not Reported		
Well id:	5003	Geolog id:	21432
Geolog from:	126	Geolog to:	182
Material:	BROWN TILL		
Date entered:	Not Reported		
Well id:	5003	Geolog id:	21433
Geolog from:	182	Geolog to:	291
Material:	GRAY CLAY, SAND, SEEP		
Date entered:	Not Reported		
Well id:	5003	Geolog id:	21434
Geolog from:	291	Geolog to:	298
Material:	GRAY SAND & GRAVEL, WATER-BEARING		
Date entered:	Not Reported		
Well id:	5003	Geolog id:	21435
Geolog from:	298	Geolog to:	298.00999999999999
Material:	FINE GRAY SAND, SEEP		
Date entered:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Information:

Well id:	5003	Casing id:	4504
Casing from:	0	Casing to:	293
Casing diameter:	6	Casing thickness:	0
Casing type:	Not Reported	Date entered:	05/12/1993

Screen Information:

Well id:	5003	Screen id:	2847
Screen from:	293	Screen to:	298
Screen man:	JOHNSON	Screen type:	SS
Model num:	Not Reported	Screen diam:	5
Screen slotsize:	.02	Date entered:	Not Reported

Seal Information:

Well id:	5003	Seal id:	2257
Seal top:	0	Seal bottom:	1.8E+001
Seal material:	BENTONITE	Unusable water:	Not Reported
Water type:	Not Reported	Strata depth:	0
Seal method:	Not Reported	Date entered:	05/12/1993

Well Test Yield Information:

Wellid:	5003	Date of test:	11/19/1992
Test type:	2	Time:	3
Yield:	15	Drawdown:	42
Date entered:	05/27/1996		

Water Quality Information:

Sample id:	1273	Well id:	5003
Sample id:	11/12/92	sample date:	11/12/1992
Treated YN:	0		
Comments:	COLLECTED BY OLSEN DRILLING. ORION LABS#592554102		

Sample id:	1274	Well id:	5003
Sample id:	11/29/92	sample date:	11/29/1992
Treated YN:	0		
Comments:	COLLECTED BY OSLEN DRILLING. DEPARTMENT OF HEALTH.		

Sample id:	1275	Well id:	5003
Sample id:	3/8/93	sample date:	03/08/1993
Treated YN:	0		
Comments:	COLLECTED BY OLSEN DRILLING. WATER MANAGEMENT LAB#8970841		

**W71
NW
1/2 - 1 Mile
Higher**

WA WELLS WAK10000003601

Well id:	1471
Doe site id:	Not Reported
Usgs site id:	473441122334701
Internal project no:	Not Reported
Local name:	Not Reported
Local number:	24N/02E-09N01
Water right permit no:	Not Reported
Parcel id:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Township: 24
 Range: 2
 Meridian: E
 Section: 9
 Quarter quarter1: SW
 Quarter quarter2: SW
 Elevation: 100
 Well address: Not Reported
 Well city: Not Reported
 Well state: Not Reported
 Well zip: Not Reported
 Date entered: 2/1/1988 0:00:00
 Owner first: Not Reported
 Owner last: Not Reported
 Owner address1: Not Reported
 Owner address2: Not Reported
 Owner city: Not Reported
 Owner state: Not Reported
 Owner zip: Not Reported
 WI date: 11/22/1983 0:00:00
 Status: Not Reported

Water level: 21

Well Log Information:

Well log id: 1471
 Startcard: Not Reported
 Proposed use: Not Reported
 Type of work: Not Reported
 Diameter of well: Not Reported
 Well depth completed: 223
 Pumpman: Not Reported
 Pump modelno: Not Reported
 Pump intake: 0
 End construction: 11/22/1983
 Fieldchecked by kpud: 0
 chem anal: 0
 Art flow: 0
 Artpress: Not Reported
 Art elevation: Not Reported
 Bailer airtest yn: 0
 screens yn: 1
 Surface seal yn: 1
 Survey date: Not Reported

Well id: 1471
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: AIR ROTARY
 Well depth drilled: 223
 Elevation: Not Reported
 Pumptype: Not Reported
 Pump horsepower: Not Reported
 Start construction: 11/21/1983
 Date entered: 02/01/1988
 Water temp: 0
 Artpress date: Not Reported
 Artflow date: Not Reported
 Artcontrol: Not Reported
 By whom: Not Reported
 perf yn: 0
 Gravel packyn: 0
 Well test yn: 1

Casing Information:

Well id: 1471
 Casing from: 0
 Casing diameter: 6
 Casing type: Not Reported

Casing id: 1252
 Casing to: 19
 Casing thickness: 0
 Date entered: 02/01/1988

Well id: 1471
 Casing from: 9
 Casing diameter: 4
 Casing type: Not Reported

Casing id: 1253
 Casing to: 223
 Casing thickness: 0
 Date entered: 02/01/1988

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Screen Information:

Well id:	1471	Screen id:	653
Screen from:	160	Screen to:	210
Screen man:	Not Reported	Screen type:	Not Reported
Model num:	Not Reported	Screen diam:	Not Reported
Screen slotsize:	Not Reported	Date entered:	Not Reported

Seal Information:

Well id:	1471	Seal id:	430
Seal top:	Not Reported	Seal bottom:	1.8E+001
Seal material:	BENTONITE	Unusable water:	Not Reported
Water type:	Not Reported	Strata depth:	0
Seal method:	Not Reported	Date entered:	02/01/1988

Well test Recovery Information:

Wellid:	1471	Date of test:	11/22/1983
Testtype:	1	Time:	2
Waterlevel:	0		

Well Test Yield Information:

Wellid:	1471	Date of test:	11/22/1983
Test type:	1	Time:	2
Yield:	10	Drawdown:	0
Date entered:	02/01/1988		

**V72
SW
1/2 - 1 Mile
Higher**

WA WELLS WAK10000003400

Well id:	4996
Doe site id:	AAA886
Usgs site id:	Not Reported
Internal project no:	Not Reported
Local name:	COYOTE FLATS (SO-2)
Local number:	24N/02E-16N01
Water right permit no:	Not Reported
Parcel id:	Not Reported
Township:	24
Range:	2
Meridian:	E
Section:	16
Quarter quarter1:	SW
Quarter quarter2:	SW
Elevation:	240
Well address:	6300 EAST MICHIGAN
Well city:	PORT ORCHARD
Well state:	WA
Well zip:	98366
Date entered:	2/15/1994 0:00:00
Owner first:	Not Reported
Owner last:	COYOTE FLATS
Owner address1:	Not Reported
Owner address2:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Owner city:	Not Reported	Water level:	124
Owner state:	Not Reported		
Owner zip:	Not Reported		
WI date:	8/24/1993 0:00:00		
Status:	Not Reported		

Well Log Information:

Well log id:	4978	Well id:	4996
Startcard:	33933	Waterright permitno:	Not Reported
Proposed use:	Domestic	Proposed type:	Not Reported
Type of work:	New Well	Drilling method:	CABLE
Diameter of well:	6	Well depth drilled:	299
Well depth completed:	299	Elevation:	Not Reported
Pumpman:	Not Reported	Pumptype:	Not Reported
Pump modelno:	Not Reported	Pump horsepower:	Not Reported
Pump intake:	0	Start construction:	08/11/1993
End construction:	08/24/1993	Date entered:	02/15/1994
Fieldchecked by kpud:	0	Water temp:	0
chem anal:	0	Artpress date:	Not Reported
Art flow:	0	Artflow date:	Not Reported
Artpress:	Not Reported	Artcontrol:	Not Reported
Art elevation:	Not Reported	By whom:	Not Reported
Bailer airtest yn:	0	perf yn:	0
screens yn:	1	Gravel packyn:	0
Surface seal yn:	1	Well test yn:	0
Survey date:	Not Reported		

Geologic Information:

Well id:	4996	Geolog id:	10762
Geolog from:	0	Geolog to:	22
Material:	BROWN CLAY, SAND		
Date entered:	02/15/1994		
Well id:	4996	Geolog id:	10763
Geolog from:	22	Geolog to:	31
Material:	BLUE CLAY		
Date entered:	02/15/1994		
Well id:	4996	Geolog id:	10764
Geolog from:	31	Geolog to:	100
Material:	BROWN CLAY & SAND		
Date entered:	02/15/1994		
Well id:	4996	Geolog id:	10765
Geolog from:	100	Geolog to:	124
Material:	BLUE-GRAY TILL, CLAY		
Date entered:	02/15/1994		
Well id:	4996	Geolog id:	10766
Geolog from:	124	Geolog to:	180
Material:	BROWN TILL		
Date entered:	02/15/1994		
Well id:	4996	Geolog id:	10767
Geolog from:	180	Geolog to:	293
Material:	GRAY CLAY, SAND, SEEP		
Date entered:	02/15/1994		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id:	4996	Geolog id:	10768
Geolog from:	293	Geolog to:	299
Material:	GRAY SAND, GRAVEL, WATER-BEARING		
Date entered:	02/15/1994		
Casing Information:			
Well id:	4996	Casing id:	4494
Casing from:	0	Casing to:	294
Casing diameter:	6	Casing thickness:	0
Casing type:	Welded	Date entered:	02/15/1994
Screen Information:			
Well id:	4996	Screen id:	2841
Screen from:	94	Screen to:	99
Screen man:	JOHNSON	Screen type:	SS
Model num:	Not Reported	Screen diam:	5
Screen slotsize:	.02	Date entered:	Not Reported
Seal Information:			
Well id:	4996	Seal id:	2250
Seal top:	0	Seal bottom:	1.8E+001
Seal material:	CEMENT GROUT	Unusable water:	Not Reported
Water type:	Not Reported	Strata depth:	0
Seal method:	Not Reported	Date entered:	02/15/1994
Well Test Yield Information:			
Wellid:	4996	Date of test:	08/24/1993
Test type:	2	Time:	3
Yield:	18	Drawdown:	62
Date entered:	05/27/1996		
Water Quality Information:			
Sample id:	1272	Well id:	4996
Sample id:	4/20/95	sample date:	04/20/1995
Treated YN:	0		
Comments:	COLLECTED BY KPUD. TWISS LAB #01001804		
Sample id:	3363	Well id:	4996
Sample id:	2/17/98	sample date:	02/17/1998
Treated YN:	0		
Comments:	TWISS LAB#01022532		

73
South
1/2 - 1 Mile
Higher

WA WELLS WAK10000003351

Well id:	1356
Doe site id:	Not Reported
Usgs site id:	473336122331603
Internal project no:	Not Reported
Local name:	MCCORMICK WOODS WATER SYSTEM WELL 3
Local number:	23N/01E-09C03
Water right permit no:	Not Reported
Parcel id:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Township:	23		
Range:	1		
Meridian:	E		
Section:	9		
Quarter quarter1:	NE		
Quarter quarter2:	NW		
Elevation:	420		
Well address:	Not Reported		
Well city:	Not Reported		
Well state:	Not Reported		
Well zip:	Not Reported		
Date entered:	2/1/1991 0:00:00		
Owner first:	Not Reported		
Owner last:	MCCORMICK WOODS WATER CO.		
Owner address1:	5155 MCCORMICK WOODS DRIVE SW		
Owner address2:	Not Reported		
Owner city:	Not Reported		
Owner state:	Not Reported		
Owner zip:	Not Reported		
WI date:	7/6/1989 0:00:00	Water level:	135
Status:	Not Reported		

Well Log Information:

Well log id:	1356	Well id:	1356
Startcard:	Not Reported	Waterright permitno:	Not Reported
Proposed use:	Domestic	Proposed type:	Not Reported
Type of work:	New Well	Drilling method:	CABLE
Diameter of well:	12	Well depth drilled:	229
Well depth completed:	188.30000000000001	Elevation:	Not Reported
Pumpman:	Not Reported	Pumptype:	Not Reported
Pump modelno:	Not Reported	Pump horsepower:	Not Reported
Pump intake:	0	Start construction:	06/09/1989
End construction:	07/07/1989	Date entered:	02/01/1991
Fieldchecked by kpud:	0	Water temp:	48
chem anal:	1	Artpress date:	Not Reported
Art flow:	0	Artflow date:	Not Reported
Artpress:	Not Reported	Artcontrol:	Not Reported
Art elevation:	Not Reported	By whom:	Not Reported
Bailer airtest yn:	0	perf yn:	0
screens yn:	1	Gravel packyn:	0
Surface seal yn:	1	Well test yn:	1
Survey date:	Not Reported		

Geologic Information:

Well id:	1356	Geolog id:	16462
Geolog from:	111	Geolog to:	127
Material:	BWN SAND AND GRAVEL, DRY		
Date entered:	Not Reported		

Well id:	1356	Geolog id:	16463
Geolog from:	127	Geolog to:	145
Material:	BWN SILTY SAND		
Date entered:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id:	1356	Geolog id:	16464
Geolog from:	145	Geolog to:	151
Material:	BWN FINE-MED SAND, SOME WATER		
Date entered:	Not Reported		
Well id:	1356	Geolog id:	16465
Geolog from:	151	Geolog to:	157
Material:	ORANGE-BWN SAND & GRAVEL		
Date entered:	Not Reported		
Well id:	1356	Geolog id:	16466
Geolog from:	157	Geolog to:	164
Material:	BWN SILT W , PEAT, SOME GRAVEL		
Date entered:	Not Reported		
Well id:	1356	Geolog id:	16467
Geolog from:	164	Geolog to:	183
Material:	ORANGE-BWN GRAVEL & SAND, OCC SILT		
Date entered:	Not Reported		
Well id:	1356	Geolog id:	16468
Geolog from:	183	Geolog to:	203
Material:	BWN SILTY MEDIUM SAND		
Date entered:	Not Reported		
Well id:	1356	Geolog id:	16469
Geolog from:	203	Geolog to:	219
Material:	BWN GRAVEL & SAND, WATER		
Date entered:	Not Reported		
Well id:	1356	Geolog id:	16470
Geolog from:	219	Geolog to:	229
Material:	BWN FINE-MED SAND, OCC GVL, WATER		
Date entered:	Not Reported		
Well id:	1356	Geolog id:	2232
Geolog from:	24	Geolog to:	46
Material:	BWN SILT SAND & GRAVEL		
Date entered:	11/16/1990		
Well id:	1356	Geolog id:	2233
Geolog from:	46	Geolog to:	60
Material:	BWN SAND, SOME GRAVEL		
Date entered:	11/16/1990		
Well id:	1356	Geolog id:	2234
Geolog from:	60	Geolog to:	87
Material:	BWN SAND & GRAVEL, SOME WATER		
Date entered:	11/16/1990		
Well id:	1356	Geolog id:	2235
Geolog from:	87	Geolog to:	91
Material:	BWN SILT		
Date entered:	11/16/1990		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id:	1356	Geolog id:	2236
Geolog from:	91	Geolog to:	97
Material:	GRAY SILT		
Date entered:	11/16/1990		
Well id:	1356	Geolog id:	2237
Geolog from:	97	Geolog to:	111
Material:	GRAY SILT & GRAVEL		
Date entered:	11/16/1990		
Well id:	1356	Geolog id:	59695
Geolog from:	0	Geolog to:	24
Material:	GRAY SILT, SAND & GRAVEL		
Date entered:	07/15/1997		
Casing Information:			
Well id:	1356	Casing id:	1160
Casing from:	-1.8	Casing to:	172.90000000000001
Casing diameter:	12	Casing thickness:	0
Casing type:	Welded	Date entered:	11/16/1990
Screen Information:			
Well id:	1356	Screen id:	616
Screen from:	173	Screen to:	183.19999999999999
Screen man:	JOHNSON	Screen type:	SS
Model num:	Not Reported	Screen diam:	10
Screen slotsize:	.10000000000000001	Date entered:	Not Reported
Seal Information:			
Well id:	1356	Seal id:	4197
Seal top:	0	Seal bottom:	1.8E+001
Seal material:	Bentonite	Unusable water:	Not Reported
Water type:	Not Reported	Strata depth:	Not Reported
Seal method:	Not Reported	Date entered:	07/15/1997
Well test Recovery Information:			
Wellid:	1356	Date of test:	07/06/1989
Testtype:	1	Time:	0
Waterlevel:	148.66999999999999		
Wellid:	1356	Date of test:	07/06/1989
Testtype:	1	Time:	1
Waterlevel:	140.25		
Wellid:	1356	Date of test:	07/06/1989
Testtype:	1	Time:	3
Waterlevel:	139.41999999999999		
Wellid:	1356	Date of test:	07/06/1989
Testtype:	1	Time:	9
Waterlevel:	137.66999999999999		
Wellid:	1356	Date of test:	07/06/1989
Testtype:	1	Time:	30
Waterlevel:	136.33000000000001		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Wellid:	1356	Date of test:	07/06/1989
Testtype:	1	Time:	60
Waterlevel:	135.75		

Well Test Yield Information:

Wellid:	1356	Date of test:	07/06/1989
Test type:	1	Time:	6.7999999999999998
Yield:	408	Drawdown:	13.8000000000000001
Date entered:	11/29/1990		

**U74
SSW
1/2 - 1 Mile
Higher**

FED USGS USGS3277180

Agency cd:	USGS	Site no:	473339122333001
Site name:	24N/02E-21C02	EDR Site id:	USGS3277180
Latitude:	473339	Dec lat:	47.56065215
Longitude:	1223330	Coor meth:	M
Dec lon:	-122.55957902	Latlong datum:	NAD27
Coor accr:	F	District:	53
Dec latlong datum:	NAD83	County:	035
State:	53	Land net:	NE NW S21 T24N R02E W
Country:	US	Map scale:	Not Reported
Location map:	Not Reported		
Altitude:	250		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19750101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	267	Hole depth:	Not Reported
Source of depth data:	reporting agency (generally USGS)		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1975-01-01	Ground water data end date:	1975-01-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1975-01-01	134	

**X75
SSE
1/2 - 1 Mile
Higher**

FED USGS USGS3277175

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	473338122325300
Site name:	24N/02E-21A02	EDR Site id:	USGS3277175
Latitude:	473338	Dec lat:	47.56037455
Longitude:	1223253	Coor meth:	M
Dec lon:	-122.54930064	Latlong datum:	NAD27
Coor accr:	F	District:	53
Dec latlong datum:	NAD83	County:	035
State:	53	Land net:	NE NE S21 T24N R02E W
Country:	US	Map scale:	Not Reported
Location map:	Not Reported		
Altitude:	120		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	20		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19550101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	56	Hole depth:	Not Reported
Source of depth data:	reporting agency (generally USGS)		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1967-04-01	Ground water data end date:	1967-04-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1967-04-01	43	

**Y76
SW
1/2 - 1 Mile
Higher**

WA WELLS WAK10000003421

**T77
SSE
1/2 - 1 Mile
Higher**

WA WELLS WAK10000003352

Well id:	1355
Doe site id:	Not Reported
Usgs site id:	473336122330201
Internal project no:	Not Reported
Local name:	Not Reported
Local number:	24N/02E-21B01
Water right permit no:	Not Reported
Parcel id:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Township: 24
 Range: 2
 Meridian: E
 Section: 21
 Quarter quarter1: NW
 Quarter quarter2: NE
 Elevation: 190
 Well address: Not Reported
 Well city: Not Reported
 Well state: Not Reported
 Well zip: Not Reported
 Date entered: 2/1/1988 0:00:00
 Owner first: Not Reported
 Owner last: Not Reported
 Owner address1: Not Reported
 Owner address2: Not Reported
 Owner city: Not Reported
 Owner state: Not Reported
 Owner zip: Not Reported
 WI date: 8/1/1949 0:00:00
 Status: Not Reported

Water level: 93

Well Log Information:

Well log id: 1355
 Startcard: Not Reported
 Proposed use: Not Reported
 Type of work: Not Reported
 Diameter of well: Not Reported
 Well depth completed: 111
 Pumpman: Not Reported
 Pump modelno: Not Reported
 Pump intake: 0
 End construction: 01/01/1949
 Fieldchecked by kpud: 0
 chem anal: 0
 Art flow: 0
 Artpress: Not Reported
 Art elevation: Not Reported
 Bailer airtest yn: 0
 screens yn: 0
 Surface seal yn: 0
 Survey date: Not Reported

Well id: 1355
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: CABLE
 Well depth drilled: Not Reported
 Elevation: Not Reported
 Pumptype: Not Reported
 Pump horsepower: Not Reported
 Start construction: 01/01/1949
 Date entered: 02/01/1988
 Water temp: 0
 Artpress date: Not Reported
 Artflow date: Not Reported
 Artcontrol: Not Reported
 By whom: Not Reported
 perf yn: 0
 Gravel packyn: 0
 Well test yn: 0

Casing Information:

Well id: 1355
 Casing from: Not Reported
 Casing diameter: 6
 Casing type: Not Reported

Casing id: 1159
 Casing to: Not Reported
 Casing thickness: 0
 Date entered: 02/01/1988

X78
SSE
1/2 - 1 Mile
Higher

WA WELLS WAK10000003363

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id: 1359
 Doe site id: Not Reported
 Usgs site id: 473338122325300
 Internal project no: Not Reported
 Local name: Not Reported
 Local number: 24N/02E-21A02
 Water right permit no: Not Reported
 Parcel id: Not Reported
 Township: 24
 Range: 2
 Meridian: E
 Section: 21
 Quarter quarter1: NE
 Quarter quarter2: NE
 Elevation: 120
 Well address: Not Reported
 Well city: Not Reported
 Well state: Not Reported
 Well zip: Not Reported
 Date entered: 2/1/1988 0:00:00
 Owner first: Not Reported
 Owner last: Not Reported
 Owner address1: Not Reported
 Owner address2: Not Reported
 Owner city: Not Reported
 Owner state: Not Reported
 Owner zip: Not Reported
 WI date: 4/1/1967 0:00:00
 Status: Not Reported

Water level: 43

Well Log Information:

Well log id: 1359
 Startcard: Not Reported
 Proposed use: Not Reported
 Type of work: Not Reported
 Diameter of well: Not Reported
 Well depth completed: 56
 Pumpman: Not Reported
 Pump modelno: Not Reported
 Pump intake: 0
 End construction: Not Reported
 Fieldchecked by kpud: 0
 chem anal: 0
 Art flow: 0
 Artpress: Not Reported
 Art elevation: Not Reported
 Bailer airtest yn: 0
 screens yn: 0
 Surface seal yn: 0
 Survey date: Not Reported

Well id: 1359
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: Not Reported
 Well depth drilled: Not Reported
 Elevation: Not Reported
 Pumptype: Not Reported
 Pump horsepower: Not Reported
 Start construction: 01/01/1955
 Date entered: 02/01/1988
 Water temp: 0
 Artpress date: Not Reported
 Artflow date: Not Reported
 Artcontrol: Not Reported
 By whom: Not Reported
 perf yn: 0
 Gravel packyn: 0
 Well test yn: 0

Casing Information:

Well id: 1359
 Casing from: Not Reported
 Casing diameter: 6
 Casing type: Not Reported

Casing id: 1163
 Casing to: Not Reported
 Casing thickness: 0
 Date entered: 02/01/1988

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

79
South
1/2 - 1 Mile
Higher

FED USGS USGS3277167

Agency cd:	USGS	Site no:	473336122330201
Site name:	24N/02E-21B02	EDR Site id:	USGS3277167
Latitude:	473336	Dec lat:	47.55981895
Longitude:	1223302	Coor meth:	M
Dec lon:	-122.55180077	Latlong datum:	NAD27
Coor accr:	F	District:	53
Dec latlong datum:	NAD83	County:	035
State:	53	Land net:	NW NE S21 T24N R02E W
Country:	US	Map scale:	Not Reported
Location map:	Not Reported		
Altitude:	185		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19490101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	111	Hole depth:	Not Reported
Source of depth data:	owner		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1949-08-01	Ground water data end date:	1949-08-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

	Feet below	Feet to
Date	Surface	Sealevel

 1949-08-01 93

W80
NW
1/2 - 1 Mile
Higher

FED USGS USGS3277376

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	473441122334701
Site name:	24N/02E-09N01	EDR Site id:	USGS3277376
Latitude:	473441	Dec lat:	47.57787424
Longitude:	1223347	Coor meth:	M
Dec lon:	-122.56430204	Latlong datum:	NAD27
Coor accr:	S	District:	53
Dec latlong datum:	NAD83	County:	035
State:	53	Land net:	SW SW S09 T24N R02E W
Country:	US	Map scale:	24000
Location map:	BREMERTON EAST		
Altitude:	100		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19831121
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	223	Hole depth:	223
Source of depth data:	driller		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1983-11-22	Ground water data end date:	1983-11-22
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1983-11-22	21	

81
West
1/2 - 1 Mile
Higher

WA WELLS WAK100000003516

82
WNW
1/2 - 1 Mile
Higher

WA WELLS WA6000000013406

Objectid:	5805	Pwssrcid:	2391001
Oid :	10151	Pwsid:	23910
Srnum:	01	Systemname:	LANG, TONY
Systemgrp:	B	Systemtype:	GRPB
Region:	Southwest	County:	KITSAP
Srname:	WELL #1	Srctype:	Ground Water - Well
Sruse:	Permanent		
Longitude:	-122.56893		
Latitude:	47.57355		
Locmethod:	GPS	Srctsuscept:	Not Rated

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dayphone:	(360) 871-3578	Addr1:	Not Reported
Addr2:	4456 WOODS RD SE	City:	PORT ORCHARD
State:	WA	Zip:	98366
Emailaddr:	Not Reported	Site id:	WA6000000013406

**X83
SSE
1/2 - 1 Mile
Higher**

FED USGS USGS3277169

Agency cd:	USGS	Site no:	473337122325102
Site name:	24N/02E-21A01	EDR Site id:	USGS3277169
Latitude:	473337	Dec lat:	47.56009678
Longitude:	1223251	Coor meth:	M
Dec lon:	-122.54874505	Latlong datum:	NAD27
Coor accr:	S	District:	53
Dec latlong datum:	NAD83	County:	035
State:	53	Land net:	NE NE S21 T24N R02E W
Country:	US	Map scale:	24000
Location map:	BREMERTON EAST		
Altitude:	120		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19570101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	125	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	0		
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Daily flow data count:	0		
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0		
Water quality data begin date:	1978-07-24	Water quality data end date:	1978-07-24
Water quality data count:	1		
Ground water data begin date:	1967-04-07	Ground water data end date:	1967-04-07
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1967-04-07	86	

**Y84
SW
1/2 - 1 Mile
Higher**

WA WELLS WAK10000003402

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id:	515149970		
Doe site id:	AEK537		
Usgs site id:	Not Reported		
Internal project no:	Not Reported		
Local name:	Not Reported		
Local number:	24N/02E-16N03		
Water right permit no:	Not Reported		
Parcel id:	45810320110108		
Township:	24		
Range:	2		
Meridian:	E		
Section:	16		
Quarter quarter1:	SW		
Quarter quarter2:	SW		
Elevation:	260		
Well address:	FARMER DELL ROAD		
Well city:	PORT ORCHARD		
Well state:	WA		
Well zip:	98366		
Date entered:	4/9/1999 14:22:00		
Owner first:	JEFF & PATTY		
Owner last:	WEISERT		
Owner address1:	PO BOX 1091		
Owner address2:	Not Reported		
Owner city:	PORT ORCHARD		
Owner state:	WA		
Owner zip:	98366		
WI date:	3/22/1999 0:00:00	Water level:	22.5
Status:	Not Reported		

Well Log Information:

Well log id:	1780520363	Well id:	515149970
Startcard:	Not Reported	Waterright permitno:	Not Reported
Proposed use:	Domestic	Proposed type:	Not Reported
Type of work:	New Well	Drilling method:	Cable
Diameter of well:	6	Well depth drilled:	77
Well depth completed:	71.200000000000003	Elevation:	Not Reported
Pumpman:	Not Reported	Pumptype:	Not Reported
Pump modelno:	Not Reported	Pump horsepower:	Not Reported
Pump intake:	0	Start construction:	03/15/1999
End construction:	03/22/1999	Date entered:	04/09/1999
Fieldchecked by kpud:	0	Water temp:	0
chem anal:	0	Artpress date:	Not Reported
Art flow:	0	Artflow date:	Not Reported
Artpress:	Not Reported	Artcontrol:	Not Reported
Art elevation:	Not Reported	By whom:	Not Reported
Bailer airstest yn:	0	perf yn:	0
screens yn:	1	Gravel packyn:	0
Surface seal yn:	1	Well test yn:	0
Survey date:	Not Reported		

Geologic Information:

Well id:	515149970	Geolog id:	-153479443
Geolog from:	6	Geolog to:	11
Material:	BROWN AND BLUE MARBLED CLAY SAND		
Date entered:	04/09/1999		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id: 515149970 Geolog id: -1450641463
 Geolog from: 71 Geolog to: 77
 Material: GRAY SILT CLAY WEEPS
 Date entered: 04/09/1999

Well id: 515149970 Geolog id: 1733086823
 Geolog from: 0 Geolog to: 1.5
 Material: PIPE STICK UP
 Date entered: 04/09/1999

Well id: 515149970 Geolog id: 791606698
 Geolog from: 11 Geolog to: 31
 Material: BLUE SANDY CLAY
 Date entered: 04/09/1999

Well id: 515149970 Geolog id: 11588124
 Geolog from: 1.5 Geolog to: 6
 Material: BROWN SAND
 Date entered: 04/09/1999

Well id: 515149970 Geolog id: 343403235
 Geolog from: 31 Geolog to: 64
 Material: BROWN FINE SAND WATER BEARING
 Date entered: 04/09/1999

Well id: 515149970 Geolog id: -539214872
 Geolog from: 64 Geolog to: 71
 Material: GRAY FINE SAND WATER BEARING
 Date entered: 04/09/1999

Casing Information:
 Well id: 515149970 Casing id: 1106374928
 Casing from: 0 Casing to: 61.100000000000001
 Casing diameter: 6 Casing thickness: Not Reported
 Casing type: Welded Date entered: 04/09/1999

Screen Information:
 Well id: 515149970 Screen id: -367280175
 Screen from: 60.700000000000003 Screen to: 71.200000000000003
 Screen man: JOHNSON Screen type: SS
 Model num: Not Reported Screen diam: 6
 Screen slotsize: .012 Date entered: 04/09/1999

Seal Information:
 Well id: 515149970 Seal id: -1267302978
 Seal top: 0 Seal bottom: 1.8E+001
 Seal material: Bentonite Unusable water: Not Reported
 Water type: Not Reported Strata depth: Not Reported
 Seal method: Not Reported Date entered: 04/09/1999

Waterlevel Information:
 Wellid: 515149970 Wlid: -1594743722
 Wldate: 03/24/1999 Waterlevel: 25.6000004
 Status: ST Method: Not Reported
 Accuracy: Not Reported Installflag: 0
 Artpress: Not Reported Artdate: Not Reported
 Artcontrol: Not Reported Elevation: Not Reported
 Stickup: Not Reported
 Remark: PUMPING TEST DONE BY DRILLER

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Wellid:	515149970	Wlid:	-1095391457
Wldate:	03/24/1999	Waterlevel:	55.2999992
Status:	P	Method:	Not Reported
Accuracy:	Not Reported	Installflag:	0
Artpress:	Not Reported	Artdate:	Not Reported
Artcontrol:	Not Reported	Elevation:	Not Reported
Stickup:	Not Reported		
Remark:	PUMPING 25 GPM AT 29.7 FT DRAWDOWN AFTER ONE HOUR		

Well Test Yield Information:

Wellid:	515149970	Date of test:	03/22/1999
Test type:	2	Time:	1
Yield:	18	Drawdown:	25
Date entered:	04/09/1999		

Water Quality Information:

Sample id:	651442804	Well id:	515149970
Sample id:	Not Reported	sample date:	03/24/1999
Treated YN:	0		
Comments:	COLLECTED BY NICHOLSON DRILLING. TWISS LAB#01033241		

**85
SSE
1/2 - 1 Mile
Higher**

WA WELLS WAK10000003357

Well id:	1357
Doe site id:	Not Reported
Usgs site id:	473337122325102
Internal project no:	Not Reported
Local name:	Not Reported
Local number:	24N/02E-21A01
Water right permit no:	Not Reported
Parcel id:	Not Reported
Township:	24
Range:	2
Meridian:	E
Section:	21
Quarter quarter1:	NE
Quarter quarter2:	NE
Elevation:	120
Well address:	Not Reported
Well city:	Not Reported
Well state:	Not Reported
Well zip:	Not Reported
Date entered:	2/1/1988 0:00:00
Owner first:	Not Reported
Owner last:	Not Reported
Owner address1:	Not Reported
Owner address2:	Not Reported
Owner city:	Not Reported
Owner state:	Not Reported
Owner zip:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

WI date: 4/7/1967 0:00:00
 Status: Not Reported

Water level: 85.5

Well Log Information:

Well log id: 1357
 Startcard: Not Reported
 Proposed use: Not Reported
 Type of work: Not Reported
 Diameter of well: Not Reported
 Well depth completed: 125
 Pumpman: Not Reported
 Pump modelno: Not Reported
 Pump intake: 0
 End construction: 01/01/1957
 Fieldchecked by kpud: 0
 chem anal: 0
 Art flow: 0
 Artpress: Not Reported
 Art elevation: Not Reported
 Bailer airtest yn: 0
 screens yn: 1
 Surface seal yn: 0
 Survey date: Not Reported

Well id: 1357
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: CABLE
 Well depth drilled: Not Reported
 Elevation: Not Reported
 Pumptype: Not Reported
 Pump horsepower: Not Reported
 Start construction: 01/01/1957
 Date entered: 02/01/1988
 Water temp: 0
 Artpress date: Not Reported
 Artflow date: Not Reported
 Artcontrol: Not Reported
 By whom: Not Reported
 perf yn: 0
 Gravel packyn: 0
 Well test yn: 1

Casing Information:

Well id: 1357
 Casing from: Not Reported
 Casing diameter: 6
 Casing type: Not Reported

Casing id: 1161
 Casing to: Not Reported
 Casing thickness: 0
 Date entered: 02/01/1988

Screen Information:

Well id: 1357
 Screen from: 0
 Screen man: Not Reported
 Model num: Not Reported
 Screen slotsize: Not Reported

Screen id: 617
 Screen to: 120
 Screen type: Not Reported
 Screen diam: Not Reported
 Date entered: Not Reported

Well test Recovery Information:

Wellid: 1357
 Testtype: 1
 Waterlevel: 92

Date of test: 01/01/1901
 Time: 0

Well Test Yield Information:

Wellid: 1357
 Test type: 1
 Yield: 10
 Date entered: 02/01/1988

Date of test: 01/01/1901
 Time: 0
 Drawdown: 0

X86
 SSE
 1/2 - 1 Mile
 Higher

WA WELLS WAK10000003344

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id: 4657
 Doe site id: AAA507
 Usgs site id: Not Reported
 Internal project no: Not Reported
 Local name: REDA PRIVATE WELL
 Local number: 24N/02E-21A03
 Water right permit no: Not Reported
 Parcel id: Not Reported
 Township: 24
 Range: 2
 Meridian: E
 Section: 21
 Quarter quarter1: NE
 Quarter quarter2: NE
 Elevation: 140
 Well address: 820 FT WEST AND 170 FT N FROM SE CORNER GOV LOT1
 Well city: Not Reported
 Well state: Not Reported
 Well zip: Not Reported
 Date entered: 8/19/1993 0:00:00
 Owner first: KERMIT B
 Owner last: JOHNSON
 Owner address1: RT 6 BOX 144A
 Owner address2: Not Reported
 Owner city: PORT ORCHARD
 Owner state: WA
 Owner zip: 98366
 WI date: 4/24/1959 0:00:00
 Status: Not Reported

Water level: 80

Well Log Information:

Well log id: 4642
 Startcard: Not Reported
 Proposed use: Domestic
 Type of work: New Well
 Diameter of well: 6
 Well depth completed: 126
 Pumpman: CONTINENTAL PUMP
 Pump modelno: SM102-30 1 HP
 Pump intake: 0
 End construction: 04/24/1959
 Fieldchecked by kpud: 0
 chem anal: 0
 Art flow: 0
 Artpress: Not Reported
 Art elevation: Not Reported
 Bailer airstest yn: 0
 screens yn: 0
 Surface seal yn: 0
 Survey date: Not Reported

Well id: 4657
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: CABLE
 Well depth drilled: 126
 Elevation: Not Reported
 Pumptype: SUB
 Pump horsepower: Not Reported
 Start construction: 04/01/1959
 Date entered: 08/19/1993
 Water temp: 0
 Artpress date: Not Reported
 Artflow date: Not Reported
 Artcontrol: Not Reported
 By whom: Not Reported
 perf yn: 1
 Gravel packyn: 0
 Well test yn: 0

Geologic Information:

Well id: 4657
 Geolog from: 0
 Material: CLAY & SAND
 Date entered: 01/07/1993

Geolog id: 9549
 Geolog to: 45

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id:	4657	Geolog id:	9550
Geolog from:	45	Geolog to:	58
Material:	HARDPAN		
Date entered:	01/07/1993		
Well id:	4657	Geolog id:	9551
Geolog from:	58	Geolog to:	60
Material:	CLAY & PEAT		
Date entered:	01/07/1993		
Well id:	4657	Geolog id:	9552
Geolog from:	60	Geolog to:	101
Material:	CLAY, PEAT & WOOD		
Date entered:	01/07/1993		
Well id:	4657	Geolog id:	9553
Geolog from:	101	Geolog to:	115
Material:	PEAT		
Date entered:	01/07/1993		
Well id:	4657	Geolog id:	9554
Geolog from:	115	Geolog to:	121
Material:	YELLOW CLAY & GRAVEL		
Date entered:	01/07/1993		
Well id:	4657	Geolog id:	9555
Geolog from:	121	Geolog to:	126
Material:	BLUE GRAVEL		
Date entered:	01/07/1993		
Casing Information:			
Well id:	4657	Casing id:	4127
Casing from:	0	Casing to:	126
Casing diameter:	6	Casing thickness:	0
Casing type:	Welded	Date entered:	01/07/1993
Perforation Information:			
Well id:	4657	Perf id:	107
Perf from:	120	Perf to:	126
Perf type:	CUTTING TORCH	Perf width:	.025000000000000001
Perf length:	1.25	Date entered:	01/07/1993
Waterlevel Information:			
Wellid:	4657	Wlid:	-1591331919
Wldate:	10/30/1991	Waterlevel:	90
Status:	Not Reported	Method:	Not Reported
Accuracy:	Not Reported	Installflag:	0
Artpress:	Not Reported	Artdate:	Not Reported
Artcontrol:	Not Reported	Elevation:	Not Reported
Stickup:	.2999999999999999		
Remark:	PRIVATE WELL PROGRAM		
Wellid:	4657	Wlid:	-580379618
Wldate:	06/10/1992	Waterlevel:	89.1900024
Status:	Not Reported	Method:	Not Reported
Accuracy:	Not Reported	Installflag:	0
Artpress:	Not Reported	Artdate:	Not Reported
Artcontrol:	Not Reported	Elevation:	Not Reported
Stickup:	.2999999999999999		
Remark:	PRIVATE WELL PROGRAM		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Test Yield Information:

Wellid:	4657	Date of test:	04/24/1959
Test type:	2	Time:	2
Yield:	2	Drawdown:	20
Date entered:	05/27/1996		

Water Quality Information:

Sample id:	1292	Well id:	4657
Sample id:	10/30/91	sample date:	10/30/1991
Treated YN:	0		
Comments:	COLLECTED BY KPUD/BA. DEPARTMENT OF HEALTH LAB#630127		

**Z87
SE
1/2 - 1 Mile
Higher**

FED USGS USGS3277225

Agency cd:	USGS	Site no:	473348122322501
Site name:	24N/02E-15N01		
Latitude:	473348	EDR Site id:	USGS3277225
Longitude:	1223225	Dec lat:	47.56315244
Dec lon:	-122.54152248	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	035
Country:	US	Land net:	SW SW S15 T24N R02E W
Location map:	BREMERTON EAST	Map scale:	24000
Altitude:	92		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Hillside (slope)		
Site type:	Ground-water other than Spring	Date construction:	19420101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	305	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1948-09-20
Water quality data end date:	1978-07-24	Water quality data count:	6
Ground water data begin date:	1944-01-01	Ground water data end date:	1944-01-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1944-01-01	79	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

88
NNW
1/2 - 1 Mile
Higher

WA WELLS WAK10000003621

Well id: 1481
 Doe site id: Not Reported
 Usgs site id: 473448122334201
 Internal project no: Not Reported
 Local name: Not Reported
 Local number: 24N/02E-09E01
 Water right permit no: Not Reported
 Parcel id: Not Reported
 Township: 24
 Range: 2
 Meridian: E
 Section: 9
 Quarter quarter1: SW
 Quarter quarter2: NW
 Elevation: 70
 Well address: Not Reported
 Well city: Not Reported
 Well state: Not Reported
 Well zip: Not Reported
 Date entered: 7/20/1988 0:00:00
 Owner first: LARRY
 Owner last: VANBOYENT
 Owner address1: 6880 BEACH DRIVE E
 Owner address2: Not Reported
 Owner city: PORT ORCHARD
 Owner state: WA
 Owner zip: 98366
 WI date: 1/7/1986 0:00:00
 Status: Not Reported

Water level: 41

Well Log Information:

Well log id: 1481
 Startcard: Not Reported
 Proposed use: Domestic
 Type of work: New Well
 Diameter of well: 6
 Well depth completed: 312
 Pumpman: Not Reported
 Pump modelno: Not Reported
 Pump intake: 0
 End construction: 01/07/1986
 Fieldchecked by kpud: 0
 chem anal: 0
 Art flow: 0
 Artpress: Not Reported
 Art elevation: Not Reported
 Bailer airtest yn: 0
 screens yn: 0
 Surface seal yn: 1
 Survey date: Not Reported

Well id: 1481
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: Rotary
 Well depth drilled: 312
 Elevation: Not Reported
 Pumptype: Not Reported
 Pump horsepower: Not Reported
 Start construction: 01/02/1986
 Date entered: 07/20/1988
 Water temp: 0
 Artpress date: Not Reported
 Artflow date: Not Reported
 Artcontrol: Not Reported
 By whom: Not Reported
 perf yn: 1
 Gravel packyn: 0
 Well test yn: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Geologic Information:

Well id:	1481	Geolog id:	2373
Geolog from:	11	Geolog to:	23
Material:	GRAY CLAY HARD		
Date entered:	07/26/1988		

Well id:	1481	Geolog id:	2374
Geolog from:	23	Geolog to:	121
Material:	GRAY & BROWN SHALE STREAKS BRN SAND		
Date entered:	07/26/1988		

Well id:	1481	Geolog id:	2375
Geolog from:	121	Geolog to:	126
Material:	BROWN SAND CEMENTED		
Date entered:	07/26/1988		

Well id:	1481	Geolog id:	2376
Geolog from:	126	Geolog to:	280
Material:	DRK GRAY & BRN SHALE BROKEN AREAS		
Date entered:	07/26/1988		

Well id:	1481	Geolog id:	56577
Geolog from:	280	Geolog to:	312
Material:	LIGHT GRAY & GREEN SHALE		
Date entered:	02/19/1997		

Well id:	1481	Geolog id:	66121
Geolog from:	0	Geolog to:	11
Material:	BROWN CLAY SOME SAND GRAVEL		
Date entered:	08/27/1998		

Casing Information:

Well id:	1481	Casing id:	1261
Casing from:	0	Casing to:	312
Casing diameter:	4	Casing thickness:	0
Casing type:	PVC	Date entered:	07/20/1988

Well id:	1481	Casing id:	1262
Casing from:	0	Casing to:	78
Casing diameter:	6	Casing thickness:	0
Casing type:	Welded	Date entered:	07/20/1988

Perforation Information:

Well id:	1481	Perf id:	199
Perf from:	78	Perf to:	312
Perf type:	SAW CUT	Perf width:	.5999999999999999
Perf length:	.10000000000000001	Date entered:	02/19/1997

Seal Information:

Well id:	1481	Seal id:	433
Seal top:	0	Seal bottom:	1.8E+001
Seal material:	BENTONITE	Unusable water:	Not Reported
Water type:	Not Reported	Strata depth:	0
Seal method:	Not Reported	Date entered:	07/20/1988

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Test Yield Information:

Wellid:	1481	Date of test:	01/07/1985
Test type:	2	Time:	1
Yield:	2	Drawdown:	147
Date entered:	05/27/1996		

**89
West
1/2 - 1 Mile
Higher**

WA WELLS WAK10000003486

Well id: 14281
 Doe site id: ACR222
 Usgs site id: Not Reported
 Internal project no: Not Reported
 Local name: Not Reported
 Local number: 24N/02E-17J02
 Water right permit no: Not Reported
 Parcel id: 17240240212004
 Township: 24
 Range: 2
 Meridian: E
 Section: 17
 Quarter quarter1: NE
 Quarter quarter2: SE
 Elevation: 170
 Well address: 3745 WOODS ROAD E
 Well city: PORT ORCHARD
 Well state: WA
 Well zip: 98366
 Date entered: 10/13/1997 8:39:09
 Owner first: JOHN
 Owner last: BAILEY
 Owner address1: 3745 WOODS ROAD E
 Owner address2: Not Reported
 Owner city: PORT ORCHARD
 Owner state: WA
 Owner zip: 98366
 WI date: 9/15/1997 0:00:00
 Status: Not Reported

Water level: 112

Well Log Information:

Well log id: 11952
 Startcard: Not Reported
 Proposed use: Domestic
 Type of work: New Well
 Diameter of well: 6
 Well depth completed: 230.8000000000001
 Pumpman: Not Reported
 Pump modelno: Not Reported
 Pump intake: 0
 End construction: 09/15/1997
 Fieldchecked by kpud: 0
 chem anal: 0
 Art flow: 0
 Artpress: Not Reported
 Art elevation: Not Reported
 Bailer airtest yn: 0
 screens yn: 1
 Surface seal yn: 1
 Survey date: Not Reported

Well id: 14281
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: Rotary
 Well depth drilled: 230.800003
 Elevation: Not Reported
 Pumptype: Not Reported
 Pump horsepower: Not Reported
 Start construction: 09/11/1997
 Date entered: 10/13/1997
 Water temp: 0
 Artpress date: Not Reported
 Artflow date: Not Reported
 Artcontrol: Not Reported
 By whom: Not Reported
 perf yn: 0
 Gravel packyn: 0
 Well test yn: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Geologic Information:

Well id:	14281	Geolog id:	61897
Geolog from:	0	Geolog to:	1
Material:	PIPE STICK-UP		
Date entered:	10/13/1997		
Well id:	14281	Geolog id:	61898
Geolog from:	1	Geolog to:	3
Material:	BROWN SAND SOME CLAY		
Date entered:	10/13/1997		
Well id:	14281	Geolog id:	61899
Geolog from:	3	Geolog to:	6
Material:	BROWN GRAY SAND		
Date entered:	10/13/1997		
Well id:	14281	Geolog id:	61900
Geolog from:	6	Geolog to:	10
Material:	BROWN SAND		
Date entered:	10/13/1997		
Well id:	14281	Geolog id:	61901
Geolog from:	10	Geolog to:	14
Material:	BROWNS AND WET		
Date entered:	10/13/1997		
Well id:	14281	Geolog id:	61902
Geolog from:	14	Geolog to:	33
Material:	BROWN CLAY SAND		
Date entered:	10/13/1997		
Well id:	14281	Geolog id:	61903
Geolog from:	33	Geolog to:	40
Material:	BROWN SAND GRAVEL AND WATER		
Date entered:	10/13/1997		
Well id:	14281	Geolog id:	61904
Geolog from:	40	Geolog to:	43
Material:	BROWN SAND GRAVEL AND CLAY		
Date entered:	10/13/1997		
Well id:	14281	Geolog id:	61905
Geolog from:	43	Geolog to:	110
Material:	GRAY CLAY		
Date entered:	10/13/1997		
Well id:	14281	Geolog id:	61907
Geolog from:	110	Geolog to:	119
Material:	GRAY CLAY SEAMS, FINE GRAY SAND		
Date entered:	10/13/1997		
Well id:	14281	Geolog id:	61908
Geolog from:	119	Geolog to:	165
Material:	GRAY CLAY SAND AND GRAVEL		
Date entered:	10/13/1997		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id:	14281	Geolog id:	61909
Geolog from:	165	Geolog to:	216
Material:	GRAY CLAY		
Date entered:	10/13/1997		

Well id:	14281	Geolog id:	61910
Geolog from:	216	Geolog to:	220
Material:	GRAY SAND WATER		
Date entered:	10/13/1997		

Casing Information:

Well id:	14281	Casing id:	11211
Casing from:	-1	Casing to:	230.80000000000001
Casing diameter:	6	Casing thickness:	Not Reported
Casing type:	Welded	Date entered:	10/13/1997

Screen Information:

Well id:	14281	Screen id:	7868
Screen from:	225.5	Screen to:	230.80000000000001
Screen man:	JOHNSON	Screen type:	SS
Model num:	Not Reported	Screen diam:	6
Screen slotsize:	.016	Date entered:	10/13/1997

Seal Information:

Well id:	14281	Seal id:	4351
Seal top:	0	Seal bottom:	1.8E+001
Seal material:	Bentonite	Unusable water:	Not Reported
Water type:	Not Reported	Strata depth:	Not Reported
Seal method:	Not Reported	Date entered:	10/13/1997

Waterlevel Information:

Wellid:	14281	Wlid:	1440867212
Wldate:	09/25/1997	Waterlevel:	124.599998
Status:	P	Method:	Not Reported
Accuracy:	Not Reported	Installflag:	0
Artpress:	Not Reported	Artdate:	Not Reported
Artcontrol:	Not Reported	Elevation:	Not Reported
Stickup:	Not Reported		
Remark:	PUMPING 17.5 GPM AT 13.4 FT DRAWDOWN AFTER ONE HOUR		

Wellid:	14281	Wlid:	-467862633
Wldate:	09/25/1997	Waterlevel:	111.300003
Status:	ST	Method:	Not Reported
Accuracy:	Not Reported	Installflag:	0
Artpress:	Not Reported	Artdate:	Not Reported
Artcontrol:	Not Reported	Elevation:	Not Reported
Stickup:	Not Reported		
Remark:	PUMPING TEST DONE BY DRILLER		

Well Test Yield Information:

Wellid:	14281	Date of test:	09/25/1997
Test type:	2	Time:	2
Yield:	20	Drawdown:	18
Date entered:	10/13/1997		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Water Quality Information:

Sample id:	3055	Well id:	14281
Sample id:	9/25/97	sample date:	09/25/1997
Treated YN:	0		
Comments:	TWISS LAB#01018680		

**Z90
SE
1/2 - 1 Mile
Higher**

WA WELLS WAK10000003422

Well id:	1379		
Doe site id:	AAB916		
Usgs site id:	473348122322501		
Internal project no:	Not Reported		
Local name:	US NAVY MANCHESTER FUEL DEPOT USN-1		
Local number:	24N/02E-15N01		
Water right permit no:	Not Reported		
Parcel id:	Not Reported		
Township:	24		
Range:	2		
Meridian:	E		
Section:	15		
Quarter quarter1:	SW		
Quarter quarter2:	SW		
Elevation:	92		
Well address:	Not Reported		
Well city:	Not Reported		
Well state:	Not Reported		
Well zip:	Not Reported		
Date entered:	6/6/1989 0:00:00		
Owner first:	Not Reported		
Owner last:	USN		
Owner address1:	Not Reported		
Owner address2:	Not Reported		
Owner city:	Not Reported		
Owner state:	Not Reported		
Owner zip:	Not Reported		
WI date:	Not Reported	Water level:	79
Status:	Not Reported		

Well Log Information:

Well log id:	1379	Well id:	1379
Startcard:	Not Reported	Waterright permitno:	Not Reported
Proposed use:	Not Reported	Proposed type:	Not Reported
Type of work:	Abandoned	Drilling method:	Not Reported
Diameter of well:	12	Well depth drilled:	305
Well depth completed:	305	Elevation:	Not Reported
Pumpman:	Not Reported	Pumptype:	Not Reported
Pump modelno:	Not Reported	Pump horsepower:	Not Reported
Pump intake:	0	Start construction:	Not Reported
End construction:	01/01/1942	Date entered:	06/06/1989
Fieldchecked by kpud:	0	Water temp:	0
chem anal:	0	Artpress date:	Not Reported
Art flow:	0	Artflow date:	Not Reported
Artpress:	Not Reported	Artcontrol:	Not Reported
Art elevation:	Not Reported	By whom:	by Driller
Bailer airtest yn:	0	perf yn:	1
screens yn:	1	Gravel packyn:	0
Surface seal yn:	0	Well test yn:	1
Survey date:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Geologic Information:

Well id:	1379	Geolog id:	2252
Geolog from:	0	Geolog to:	2
Material:	SAND, BROWN, HARD		
Date entered:	07/03/1988		

Well id:	1379	Geolog id:	2253
Geolog from:	20	Geolog to:	50
Material:	SAND, BROWN		
Date entered:	07/03/1988		

Well id:	1379	Geolog id:	2254
Geolog from:	50	Geolog to:	108
Material:	CLAY, BROWN, SANDY		
Date entered:	07/03/1988		

Well id:	1379	Geolog id:	2255
Geolog from:	108	Geolog to:	122
Material:	CLAY, GREEN, SANDY		
Date entered:	07/03/1988		

Well id:	1379	Geolog id:	2256
Geolog from:	122	Geolog to:	151
Material:	CLAY, BROWN, W/ SAND AND GRAVEL		
Date entered:	07/03/1988		

Well id:	1379	Geolog id:	2257
Geolog from:	151	Geolog to:	233
Material:	HARDPAN, GRAY		
Date entered:	07/03/1988		

Well id:	1379	Geolog id:	2258
Geolog from:	233	Geolog to:	255
Material:	SHALE WITH SAND AND GRAVEL		
Date entered:	07/03/1988		

Well id:	1379	Geolog id:	56578
Geolog from:	255	Geolog to:	305
Material:	GRAVEL, CEMENTED		
Date entered:	02/19/1997		

Casing Information:

Well id:	1379	Casing id:	1181
Casing from:	0	Casing to:	295
Casing diameter:	12	Casing thickness:	0
Casing type:	Not Reported	Date entered:	06/06/1989

Perforation Information:

Well id:	1379	Perf id:	23
Perf from:	155	Perf to:	160
Perf type:	Not Reported	Perf width:	Not Reported
Perf length:	Not Reported	Date entered:	06/15/1989

Well id:	1379	Perf id:	24
Perf from:	255	Perf to:	260
Perf type:	Not Reported	Perf width:	Not Reported
Perf length:	Not Reported	Date entered:	06/15/1989

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Screen Information:

Well id:	1379	Screen id:	625
Screen from:	295	Screen to:	305
Screen man:	Not Reported	Screen type:	SS
Model num:	Not Reported	Screen diam:	Not Reported
Screen slotsize:	Not Reported	Date entered:	Not Reported

Well test Recovery Information:

Wellid:	1379	Date of test:	01/01/1901
Testtype:	1	Time:	8
Waterlevel:	131		

Well Test Yield Information:

Wellid:	1379	Date of test:	01/01/1901
Test type:	1	Time:	8
Yield:	60	Drawdown:	52
Date entered:	06/06/1989		

**91
SSE
1/2 - 1 Mile
Higher**

WA WELLS WAK10000003347

Well id:	1354		
Doe site id:	Not Reported		
Usgs site id:	473335122324601		
Internal project no:	Not Reported		
Local name:	Not Reported		
Local number:	24N/01E-21A01		
Water right permit no:	Not Reported		
Parcel id:	Not Reported		
Township:	24		
Range:	1		
Meridian:	E		
Section:	21		
Quarter quarter1:	NE		
Quarter quarter2:	NE		
Elevation:	90		
Well address:	820 FT W & 170 FT N FROM SE CORNER GOV LOT 1 SEC 21		
Well city:	Not Reported		
Well state:	Not Reported		
Well zip:	Not Reported		
Date entered:	10/9/1989 0:00:00		
Owner first:	KERMIT B		
Owner last:	JOHNSON		
Owner address1:	RT 6 BOX 144A		
Owner address2:	Not Reported		
Owner city:	PORT ORCHARD		
Owner state:	WA		
Owner zip:	Not Reported		
WI date:	4/24/1959 0:00:00	Water level:	80
Status:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Log Information:

Well log id:	1354	Well id:	1354
Startcard:	Not Reported	Waterright permitno:	Not Reported
Proposed use:	Domestic	Proposed type:	Not Reported
Type of work:	New Well	Drilling method:	CABLE
Diameter of well:	6	Well depth drilled:	126
Well depth completed:	126	Elevation:	Not Reported
Pumpman:	CONTINENTAL PUMP	Pumptype:	SUB SM 102-30
Pump modelno:	1 HP	Pump horsepower:	Not Reported
Pump intake:	0	Start construction:	04/01/1959
End construction:	04/24/1959	Date entered:	10/09/1989
Fieldchecked by kpud:	0	Water temp:	0
chem anal:	0	Artpress date:	Not Reported
Art flow:	0	Artflow date:	Not Reported
Artpress:	Not Reported	Artcontrol:	Not Reported
Art elevation:	Not Reported	By whom:	Not Reported
Bailer airtest yn:	0	perf yn:	1
screens yn:	0	Gravel packyn:	0
Surface seal yn:	0	Well test yn:	0
Survey date:	Not Reported		

Geologic Information:

Well id:	1354	Geolog id:	2225
Geolog from:	45	Geolog to:	58
Material:	HARDPAN		
Date entered:	07/26/1988		
Well id:	1354	Geolog id:	2226
Geolog from:	58	Geolog to:	60
Material:	CLAY & PEAT		
Date entered:	07/26/1988		
Well id:	1354	Geolog id:	2227
Geolog from:	60	Geolog to:	101
Material:	CLAY & PEAT & WOOD		
Date entered:	07/26/1988		
Well id:	1354	Geolog id:	2228
Geolog from:	101	Geolog to:	115
Material:	PEAT		
Date entered:	07/26/1988		
Well id:	1354	Geolog id:	2229
Geolog from:	115	Geolog to:	121
Material:	YELLOW CLAY & GRAVEL		
Date entered:	07/26/1988		
Well id:	1354	Geolog id:	2230
Geolog from:	121	Geolog to:	121.01000000000001
Material:	BLUE GRAVEL		
Date entered:	07/26/1988		
Well id:	1354	Geolog id:	56467
Geolog from:	0	Geolog to:	45
Material:	CLAY & SAND		
Date entered:	02/13/1997		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Information:

Well id:	1354	Casing id:	1158
Casing from:	0	Casing to:	126
Casing diameter:	6	Casing thickness:	0
Casing type:	Welded	Date entered:	07/20/1988

Perforation Information:

Well id:	1354	Perf id:	197
Perf from:	120	Perf to:	126
Perf type:	CUTTING TORCH	Perf width:	.025000000000000001
Perf length:	.006499999999999997	Date entered:	02/13/1997

Screen Information:

Well id:	1354	Screen id:	615
Screen from:	Not Reported	Screen to:	Not Reported
Screen man:	Not Reported	Screen type:	Not Reported
Model num:	Not Reported	Screen diam:	Not Reported
Screen slotsize:	Not Reported	Date entered:	Not Reported

Well Test Yield Information:

Wellid:	1354	Date of test:	04/24/1959
Test type:	2	Time:	2
Yield:	11	Drawdown:	20
Date entered:	05/27/1996		

**AA92
SW
1/2 - 1 Mile
Higher**

WA WELLS WAK10000003397

**AA93
SW
1/2 - 1 Mile
Higher**

WA WELLS WAK10000003389

Well id:	1365
Doe site id:	Not Reported
Usgs site id:	473342122335901
Internal project no:	Not Reported
Local name:	Not Reported
Local number:	24N/02E-20A01
Water right permit no:	Not Reported
Parcel id:	Not Reported
Township:	24
Range:	2
Meridian:	E
Section:	20
Quarter quarter1:	NE
Quarter quarter2:	NE
Elevation:	290
Well address:	Not Reported
Well city:	Not Reported
Well state:	Not Reported
Well zip:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Date entered: 2/1/1988 0:00:00
 Owner first: Not Reported
 Owner last: Not Reported
 Owner address1: Not Reported
 Owner address2: Not Reported
 Owner city: Not Reported
 Owner state: Not Reported
 Owner zip: Not Reported
 WI date: 3/1/1940 0:00:00
 Status: Not Reported

Water level: 1

Well Log Information:

Well log id: 1365
 Startcard: Not Reported
 Proposed use: Not Reported
 Type of work: Not Reported
 Diameter of well: Not Reported
 Well depth completed: 10
 Pumpman: Not Reported
 Pump modelno: Not Reported
 Pump intake: 0
 End construction: 01/01/1939
 Fieldchecked by kpud: 0
 chem anal: 0
 Art flow: 0
 Artpress: Not Reported
 Art elevation: Not Reported
 Bailer airstest yn: 0
 screens yn: 0
 Surface seal yn: 0
 Survey date: Not Reported

Well id: 1365
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: DUG
 Well depth drilled: Not Reported
 Elevation: Not Reported
 Pumptype: Not Reported
 Pump horsepower: Not Reported
 Start construction: 01/01/1939
 Date entered: 02/01/1988
 Water temp: 0
 Artpress date: Not Reported
 Artflow date: Not Reported
 Artcontrol: Not Reported
 By whom: Not Reported
 perf yn: 0
 Gravel packyn: 0
 Well test yn: 0

Casing Information:

Well id: 1365
 Casing from: Not Reported
 Casing diameter: 36
 Casing type: Not Reported

Casing id: 1169
 Casing to: Not Reported
 Casing thickness: 0
 Date entered: 02/01/1988

**94
 WSW
 1/2 - 1 Mile
 Higher**

WA WELLS WAK10000003457

Well id: 971718080
 Doe site id: AFJ181
 Usgs site id: Not Reported
 Internal project no: Not Reported
 Local name: Not Reported
 Local number: 24N/02E-17R01
 Water right permit no: Not Reported
 Parcel id: 17240240182009
 Township: 24
 Range: 2
 Meridian: E
 Section: 17
 Quarter quarter1: SE
 Quarter quarter2: SE

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Elevation: 220
 Well address: 3603 WOODS ROAD E
 Well city: PORT ORCHARD
 Well state: WA
 Well zip: 98366
 Date entered: 10/16/2000 10:41:20
 Owner first: JIM
 Owner last: NEWELL
 Owner address1: 3603 WOODS ROAD E
 Owner address2: Not Reported
 Owner city: PORT ORCHARD
 Owner state: WA
 Owner zip: 98366
 WI date: 9/15/2000 0:00:00
 Status: Not Reported

Water level: 175

Well Log Information:

Well log id: 936663745
 Startcard: Not Reported
 Proposed use: Domestic
 Type of work: New Well
 Diameter of well: 6
 Well depth completed: 236
 Pumpman: Not Reported
 Pump modelno: Not Reported
 Pump intake: 0
 End construction: 09/15/2000
 Fieldchecked by kpud: 0
 chem anal: 0
 Art flow: 0
 Artpress: Not Reported
 Art elevation: Not Reported
 Bailer airtest yn: 0
 screens yn: 1
 Surface seal yn: 1
 Survey date: Not Reported

Well id: 971718080
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: Cable
 Well depth drilled: 236
 Elevation: Not Reported
 Pumptype: Not Reported
 Pump horsepower: Not Reported
 Start construction: 08/18/2000
 Date entered: 10/16/2000
 Water temp: 0
 Artpress date: Not Reported
 Artflow date: Not Reported
 Artcontrol: Not Reported
 By whom: Not Reported
 perf yn: 0
 Gravel packyn: 0
 Well test yn: 0

Geologic Information:

Well id: 971718080
 Geolog from: 85
 Material: GRAY CEMENTED SAND
 Date entered: 10/16/2000

Geolog id: -2070503239
 Geolog to: 100

Well id: 971718080
 Geolog from: 236
 Material: BLUE CLAY
 Date entered: 10/16/2000

Geolog id: -1798720912
 Geolog to: 236.00999999999999

Well id: 971718080
 Geolog from: 100
 Material: GRAY TILL
 Date entered: 10/16/2000

Geolog id: -199199098
 Geolog to: 108

Well id: 971718080
 Geolog from: 108
 Material: GREY CLAY ROCKS
 Date entered: 10/16/2000

Geolog id: -1749993073
 Geolog to: 111

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id:	971718080	Geolog id:	-84318637
Geolog from:	15	Geolog to:	18
Material:	BROWN CLAY/SAND WATER		
Date entered:	10/16/2000		
Well id:	971718080	Geolog id:	-1439055651
Geolog from:	0	Geolog to:	2
Material:	BROWN TOP		
Date entered:	10/16/2000		
Well id:	971718080	Geolog id:	-1130522588
Geolog from:	111	Geolog to:	130
Material:	GREENISH CLAY		
Date entered:	10/16/2000		
Well id:	971718080	Geolog id:	1703251608
Geolog from:	18	Geolog to:	85
Material:	BLUE CLAY		
Date entered:	10/16/2000		
Well id:	971718080	Geolog id:	1588238475
Geolog from:	220	Geolog to:	236
Material:	GRAY FINE SAND		
Date entered:	10/16/2000		
Well id:	971718080	Geolog id:	1974301914
Geolog from:	2	Geolog to:	15
Material:	BROWN SAND		
Date entered:	10/16/2000		
Well id:	971718080	Geolog id:	325326421
Geolog from:	130	Geolog to:	174
Material:	GRAY CLAY, PEBBLES		
Date entered:	10/16/2000		
Well id:	971718080	Geolog id:	15223538
Geolog from:	174	Geolog to:	220
Material:	GRAY CLAY SAND, SILT		
Date entered:	10/16/2000		
Casing Information:			
Well id:	971718080	Casing id:	1159551470
Casing from:	0	Casing to:	226
Casing diameter:	6	Casing thickness:	Not Reported
Casing type:	Welded	Date entered:	10/16/2000
Screen Information:			
Well id:	971718080	Screen id:	-629890345
Screen from:	226	Screen to:	235
Screen man:	WESCO	Screen type:	SS
Model num:	Not Reported	Screen diam:	5
Screen slotsize:	.008000000000000000	Date entered:	10/16/2000
Seal Information:			
Well id:	971718080	Seal id:	-208811572
Seal top:	0	Seal bottom:	1.8E+001
Seal material:	Bentonite	Unusable water:	Not Reported
Water type:	Not Reported	Strata depth:	Not Reported
Seal method:	Not Reported	Date entered:	10/16/2000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Waterlevel Information:

Wellid:	971718080	Wlid:	-1280065721
Wldate:	09/18/2000	Waterlevel:	190.199997
Status:	P	Method:	Not Reported
Accuracy:	Not Reported	Installflag:	0
Artpress:	Not Reported	Artdate:	Not Reported
Artcontrol:	Not Reported	Elevation:	Not Reported
Stickup:	Not Reported		
Remark:	PUMPING 13 GPM AT 16.6 FT DRAWDOWN AFTER ONE HOUR		

Wellid:	971718080	Wlid:	-909836879
Wldate:	08/23/2000	Waterlevel:	Not Reported
Status:	Not Reported	Method:	Not Reported
Accuracy:	Not Reported	Installflag:	0
Artpress:	Not Reported	Artdate:	Not Reported
Artcontrol:	Not Reported	Elevation:	Not Reported
Stickup:	2		
Remark:	BKCHD/LUM		

Wellid:	971718080	Wlid:	718118430
Wldate:	09/18/2000	Waterlevel:	173.600006
Status:	ST	Method:	Not Reported
Accuracy:	Not Reported	Installflag:	0
Artpress:	Not Reported	Artdate:	Not Reported
Artcontrol:	Not Reported	Elevation:	Not Reported
Stickup:	Not Reported		
Remark:	PUMPING TEST DONE BY DRILLER		

Well Test Yield Information:

Wellid:	971718080	Date of test:	09/15/2000
Test type:	2	Time:	2
Yield:	10	Drawdown:	14
Date entered:	10/16/2000		

Water Quality Information:

Sample id:	-1020106372	Well id:	971718080
Sample id:	9/18/00	sample date:	09/18/2000
Treated YN:	0		
Comments:	COLLECTED BY AQUARIUS PUMP CO. TWISS LAB#01050194		

**AB95
West
1/2 - 1 Mile
Higher**

WA WELLS WAK10000003551

Well id:	1441
Doe site id:	Not Reported
Usgs site id:	473419122341801
Internal project no:	Not Reported
Local name:	MYGATT
Local number:	24N/02E-17H01
Water right permit no:	Not Reported
Parcel id:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Township: 24
 Range: 2
 Meridian: E
 Section: 17
 Quarter quarter1: SE
 Quarter quarter2: NE
 Elevation: 115
 Well address: WOODS ROAD
 Well city: Not Reported
 Well state: Not Reported
 Well zip: Not Reported
 Date entered: 8/16/1993 0:00:00
 Owner first: ROBERT A
 Owner last: MYGATT
 Owner address1: RT 6 BOX 375
 Owner address2: Not Reported
 Owner city: PORT ORCHARD
 Owner state: WA
 Owner zip: 98366
 WI date: 4/27/1992 0:00:00
 Status: Not Reported

Water level: 41.600000000000001

Well Log Information:

Well log id: 1441
 Startcard: Not Reported
 Proposed use: Not Reported
 Type of work: Not Reported
 Diameter of well: 6
 Well depth completed: 108
 Pumpman: Not Reported
 Pump modelno: Not Reported
 Pump intake: 0
 End construction: 01/01/1967
 Fieldchecked by kpud: 0
 chem anal: 0
 Art flow: 0
 Artpress: Not Reported
 Art elevation: Not Reported
 Bailer airtest yn: 0
 screens yn: 1
 Surface seal yn: 0
 Survey date: Not Reported

Well id: 1441
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: Not Reported
 Well depth drilled: Not Reported
 Elevation: Not Reported
 Pumptype: Not Reported
 Pump horsepower: Not Reported
 Start construction: 01/01/1967
 Date entered: 08/16/1993
 Water temp: 0
 Artpress date: Not Reported
 Artflow date: Not Reported
 Artcontrol: Not Reported
 By whom: Not Reported
 perf yn: 0
 Gravel packyn: 0
 Well test yn: 0

Screen Information:

Well id: 1441
 Screen from: Not Reported
 Screen man: Not Reported
 Model num: Not Reported
 Screen slotsize: .01

Screen id: 648
 Screen to: Not Reported
 Screen type: Not Reported
 Screen diam: Not Reported
 Date entered: Not Reported

Waterlevel Information:

Wellid: 1441
 Wldate: 04/27/1992
 Status: ST
 Accuracy: Not Reported
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: .5999999999999998
 Remark: PRIVATE WELL PROGRAM

Wluid: 1945718190
 Waterlevel: 42.2000008
 Method: Not Reported
 Installflag: 0
 Artdate: Not Reported
 Elevation: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Water Quality Information:

Sample id:	1277	Well id:	1441
Sample id:	4/27/92	sample date:	04/27/1992
Treated YN:	0		
Comments:	PRIVATE WELL PROGRAM. COLELCTED BY KPUD/BA. DEPARTMENT OF HEALTH LAB#630805		

**AB96
West
1/2 - 1 Mile
Higher**

WA WELLS WAK10000003538

Well id:	1437		
Doe site id:	Not Reported		
Usgs site id:	473418122341901		
Internal project no:	Not Reported		
Local name:	Not Reported		
Local number:	24N/02E-17G01		
Water right permit no:	Not Reported		
Parcel id:	Not Reported		
Township:	24		
Range:	2		
Meridian:	E		
Section:	17		
Quarter quarter1:	SW		
Quarter quarter2:	NE		
Elevation:	120		
Well address:	Not Reported		
Well city:	Not Reported		
Well state:	Not Reported		
Well zip:	Not Reported		
Date entered:	2/1/1988 0:00:00		
Owner first:	Not Reported		
Owner last:	Not Reported		
Owner address1:	Not Reported		
Owner address2:	Not Reported		
Owner city:	Not Reported		
Owner state:	Not Reported		
Owner zip:	Not Reported		
WI date:	4/1/1959 0:00:00	Water level:	Not Reported
Status:	Not Reported		

Well Log Information:

Well log id:	1437	Well id:	1437
Startcard:	Not Reported	Waterright permitno:	Not Reported
Proposed use:	Not Reported	Proposed type:	Not Reported
Type of work:	Not Reported	Drilling method:	CABLE
Diameter of well:	Not Reported	Well depth drilled:	Not Reported
Well depth completed:	175	Elevation:	Not Reported
Pumpman:	Not Reported	Pumptype:	Not Reported
Pump modelno:	Not Reported	Pump horsepower:	Not Reported
Pump intake:	0	Start construction:	01/01/1959
End construction:	01/01/1959	Date entered:	02/01/1988
Fieldchecked by kpud:	0	Water temp:	0
chem anal:	0	Artpress date:	Not Reported
Art flow:	0	Artflow date:	Not Reported
Artpress:	Not Reported	Artcontrol:	Not Reported
Art elevation:	Not Reported	By whom:	Not Reported
Bailer airtest yn:	0	perf yn:	0
screens yn:	0	Gravel packyn:	0
Surface seal yn:	0	Well test yn:	0
Survey date:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Information:

Well id:	1437	Casing id:	1226
Casing from:	Not Reported	Casing to:	Not Reported
Casing diameter:	6	Casing thickness:	0
Casing type:	Not Reported	Date entered:	02/01/1988

**AC97
South
1/2 - 1 Mile
Higher**

WA WELLS WAK10000003315

Well id:	1343	Water level:	99
Doe site id:	Not Reported		
Usgs site id:	473328122332701		
Internal project no:	Not Reported		
Local name:	Not Reported		
Local number:	24N/02E-21F03		
Water right permit no:	Not Reported		
Parcel id:	Not Reported		
Township:	24		
Range:	2		
Meridian:	E		
Section:	21		
Quarter quarter1:	SE		
Quarter quarter2:	NW		
Elevation:	280		
Well address:	Not Reported		
Well city:	Not Reported		
Well state:	Not Reported		
Well zip:	Not Reported		
Date entered:	2/1/1988 0:00:00		
Owner first:	Not Reported		
Owner last:	Not Reported		
Owner address1:	Not Reported		
Owner address2:	Not Reported		
Owner city:	Not Reported		
Owner state:	Not Reported		
Owner zip:	Not Reported		
WI date:	4/1/1967 0:00:00		
Status:	Not Reported		

Well Log Information:

Well log id:	1343	Well id:	1343
Startcard:	Not Reported	Waterright permitno:	Not Reported
Proposed use:	Not Reported	Proposed type:	Not Reported
Type of work:	Not Reported	Drilling method:	Not Reported
Diameter of well:	Not Reported	Well depth drilled:	Not Reported
Well depth completed:	184	Elevation:	Not Reported
Pumpman:	Not Reported	Pumptype:	Not Reported
Pump modelno:	Not Reported	Pump horsepower:	Not Reported
Pump intake:	0	Start construction:	01/01/1957
End construction:	01/01/1957	Date entered:	02/01/1988
Fieldchecked by kpud:	0	Water temp:	0
chem anal:	0	Artpress date:	Not Reported
Art flow:	0	Artflow date:	Not Reported
Artpress:	Not Reported	Artcontrol:	Not Reported
Art elevation:	Not Reported	By whom:	Not Reported
Bailer airstest yn:	0	perf yn:	0
screens yn:	0	Gravel packyn:	0
Surface seal yn:	0	Well test yn:	1
Survey date:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Information:

Well id:	1343	Casing id:	1147
Casing from:	Not Reported	Casing to:	Not Reported
Casing diameter:	6	Casing thickness:	0
Casing type:	Not Reported	Date entered:	02/01/1988

Well test Recovery Information:

Wellid:	1343	Date of test:	01/01/1901
Testtype:	1	Time:	0
Waterlevel:	0		

Well Test Yield Information:

Wellid:	1343	Date of test:	01/01/1901
Test type:	1	Time:	0
Yield:	10	Drawdown:	0
Date entered:	02/01/1988		

**AA98
SW
1/2 - 1 Mile
Higher**

FED USGS USGS3277197

Agency cd:	USGS	Site no:	473342122335901
Site name:	24N/02E-20A02	EDR Site id:	USGS3277197
Latitude:	473342	Dec lat:	47.56148535
Longitude:	1223359	Coor meth:	M
Dec lon:	-122.56763507	Latlong datum:	NAD27
Coor accr:	S	District:	53
Dec latlong datum:	NAD83	County:	035
State:	53	Land net:	NE NE S20 T24N R02E W
Country:	US	Map scale:	Not Reported
Location map:	Not Reported		
Altitude:	290		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19390101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	10	Hole depth:	Not Reported
Source of depth data:	reporting agency (generally USGS)		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1940-03-01	Ground water data end date:	1940-03-01
Ground water data count:	1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1940-03-01	1	

99
SSW
1/2 - 1 Mile
Higher

WA WELLS WAK10000003320

Well id:	14768		
Doe site id:	AEA517		
Usgs site id:	Not Reported		
Internal project no:	Not Reported		
Local name:	Not Reported		
Local number:	24N/02E-21F06		
Water right permit no:	Not Reported		
Parcel id:	45900000150001		
Township:	24		
Range:	2		
Meridian:	E		
Section:	21		
Quarter quarter1:	SE		
Quarter quarter2:	NW		
Elevation:	285		
Well address:	LOT 15 MARTIN AVENUE E		
Well city:	PORT ORCHARD		
Well state:	WA		
Well zip:	98367		
Date entered:	10/9/1998 9:17:34		
Owner first:	RICK		
Owner last:	TRONDSON (TRONDSON CONST INC.)		
Owner address1:	7985 VANDECAR ROAD SE		
Owner address2:	Not Reported		
Owner city:	PORT ORCHARD		
Owner state:	WA		
Owner zip:	98367		
WI date:	7/10/1998 0:00:00	Water level:	126
Status:	Not Reported		

Well Log Information:

Well log id:	12446	Well id:	14768
Startcard:	Not Reported	Waterright permitno:	Not Reported
Proposed use:	Domestic	Proposed type:	Not Reported
Type of work:	New Well	Drilling method:	Rotary
Diameter of well:	6	Well depth drilled:	177
Well depth completed:	177	Elevation:	Not Reported
Pumpman:	GOULDS	Pumptype:	SUB 10LS10
Pump modelno:	1 HP	Pump horsepower:	Not Reported
Pump intake:	0	Start construction:	07/06/1998
End construction:	07/07/1998	Date entered:	10/09/1998
Fieldchecked by kpud:	0	Water temp:	50
chem anal:	1	Artpress date:	Not Reported
Art flow:	0	Artflow date:	Not Reported
Artpress:	Not Reported	Artcontrol:	Not Reported
Art elevation:	Not Reported	By whom:	by Driller
Bailer airstest yn:	0	perf yn:	0
screens yn:	0	Gravel packyn:	0
Surface seal yn:	1	Well test yn:	1
Survey date:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Geologic Information:

Well id:	14768	Geolog id:	66562
Geolog from:	0	Geolog to:	25
Material:	BROWN SILTY SAND AND GRAVEL		
Date entered:	10/09/1998		

Well id:	14768	Geolog id:	66563
Geolog from:	25	Geolog to:	129
Material:	LOOSE BROWN SILTY SAND AND GRAVEL		
Date entered:	10/09/1998		

Well id:	14768	Geolog id:	66564
Geolog from:	129	Geolog to:	141
Material:	DENSE GRAY HARDPAN		
Date entered:	10/09/1998		

Well id:	14768	Geolog id:	66565
Geolog from:	141	Geolog to:	165
Material:	GRAY SILTY COARSE SAND AND GRAVEL		
Date entered:	10/09/1998		

Well id:	14768	Geolog id:	66566
Geolog from:	165	Geolog to:	177
Material:	GRAY GRAVEL, WATER		
Date entered:	10/09/1998		

Casing Information:

Well id:	14768	Casing id:	11687
Casing from:	0	Casing to:	177
Casing diameter:	6	Casing thickness:	Not Reported
Casing type:	Welded	Date entered:	10/09/1998

Seal Information:

Well id:	14768	Seal id:	4810
Seal top:	0	Seal bottom:	1.8E+001
Seal material:	Bentonite	Unusable water:	Not Reported
Water type:	Not Reported	Strata depth:	Not Reported
Seal method:	Not Reported	Date entered:	10/09/1998

Well test Recovery Information:

Wellid:	14768	Date of test:	07/10/1998
Testtype:	1	Time:	1
Waterlevel:	126		

Well Test Yield Information:

Wellid:	14768	Date of test:	07/10/1998
Test type:	1	Time:	1
Yield:	26	Drawdown:	2
Date entered:	10/09/1998		

Wellid:	14768	Date of test:	07/10/1998
Test type:	3	Time:	1
Yield:	30	Drawdown:	0
Date entered:	10/09/1998		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Water Quality Information:

Sample id:	4045	Well id:	14768
Sample id:	7/10/98	sample date:	07/10/1998
Treated YN:	0		
Comments:	COLLECTED BY OLY'S PUMP SERVICE. TWISS LAB#01026286		

**100
South
1/2 - 1 Mile
Higher**

WA WELLS WAK10000003310

Well id:	1342		
Doe site id:	Not Reported		
Usgs site id:	473327122330901		
Internal project no:	Not Reported		
Local name:	FAIRGRIEVE		
Local number:	24N/02E-21G02		
Water right permit no:	Not Reported		
Parcel id:	Not Reported		
Township:	24		
Range:	2		
Meridian:	E		
Section:	21		
Quarter quarter1:	SW		
Quarter quarter2:	NE		
Elevation:	230		
Well address:	Not Reported		
Well city:	Not Reported		
Well state:	Not Reported		
Well zip:	Not Reported		
Date entered:	8/16/1993 0:00:00		
Owner first:	Not Reported		
Owner last:	Not Reported		
Owner address1:	Not Reported		
Owner address2:	Not Reported		
Owner city:	Not Reported		
Owner state:	Not Reported		
Owner zip:	Not Reported		
WI date:	Not Reported	Water level:	2.3500000000000001
Status:	Not Reported		

Well Log Information:

Well log id:	1342	Well id:	1342
Startcard:	Not Reported	Waterright permitno:	Not Reported
Proposed use:	Not Reported	Proposed type:	Not Reported
Type of work:	Not Reported	Drilling method:	Not Reported
Diameter of well:	Not Reported	Well depth drilled:	Not Reported
Well depth completed:	Not Reported	Elevation:	Not Reported
Pumpman:	Not Reported	Pumptype:	Not Reported
Pump modelno:	Not Reported	Pump horsepower:	Not Reported
Pump intake:	0	Start construction:	Not Reported
End construction:	Not Reported	Date entered:	08/16/1993
Fieldchecked by kpud:	0	Water temp:	0
chem anal:	0	Artpress date:	Not Reported
Art flow:	0	Artflow date:	Not Reported
Artpress:	Not Reported	Artcontrol:	Not Reported
Art elevation:	Not Reported	By whom:	Not Reported
Bailer airtest yn:	0	perf yn:	0
screens yn:	0	Gravel packyn:	0
Surface seal yn:	0	Well test yn:	0
Survey date:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Waterlevel Information:

Wellid:	1342	Wlid:	-785217331
Wldate:	09/18/1991	Waterlevel:	5
Status:	Not Reported	Method:	Not Reported
Accuracy:	Not Reported	Installflag:	0
Artpress:	Not Reported	Artdate:	Not Reported
Artcontrol:	Not Reported	Elevation:	Not Reported
Stickup:	2.6499999999999999		
Remark:	PRIVATE WELL PROGRAM		

Water Quality Information:

Sample id:	1295	Well id:	1342
Sample id:	9/18/91	sample date:	09/18/1991
Treated YN:	0		
Comments:	COLLECTED BY KPUD/BA. DEPARTMENT OF HEALTH LAB#6307		

**AC101
SSW
1/2 - 1 Mile
Higher**

FED USGS USGS3277146

Agency cd:	USGS	Site no:	473328122332701
Site name:	24N/02E-21F01	EDR Site id:	USGS3277146
Latitude:	473328	Dec lat:	47.55759662
Longitude:	1223327	Coor meth:	M
Dec lon:	-122.55874555	Latlong datum:	NAD27
Coor accr:	S	District:	53
Dec latlong datum:	NAD83	County:	035
State:	53	Land net:	SE NW S21 T24N R02E W
Country:	US	Map scale:	Not Reported
Location map:	Not Reported		
Altitude:	275		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19570101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	184	Hole depth:	Not Reported
Source of depth data:	reporting agency (generally USGS)		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1967-04-01	Ground water data end date:	1967-04-01
Ground water data count:	1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1967-04-01	99	

**AD102
WNW
1/2 - 1 Mile
Higher**

WA WELLS WAK10000003563

Well id: 14080
 Doe site id: ACN368
 Usgs site id: Not Reported
 Internal project no: Not Reported
 Local name: Not Reported
 Local number: 24N/02E-17G03
 Water right permit no: Not Reported
 Parcel id: 17240210282003
 Township: 24
 Range: 2
 Meridian: E
 Section: 17
 Quarter quarter1: SW
 Quarter quarter2: NE
 Elevation: 90
 Well address: 4390 WOODS ROAD E
 Well city: PORT ORCHARD
 Well state: WA
 Well zip: 98366
 Date entered: 5/19/1997 12:12:35
 Owner first: DEBRA
 Owner last: GOODELL
 Owner address1: 4390 WOODS ROAD E
 Owner address2: Not Reported
 Owner city: PORT ORCHARD
 Owner state: WA
 Owner zip: 98366
 WI date: 8/6/1996 0:00:00
 Status: Not Reported

Water level: 30

Well Log Information:

Well log id: 11535
 Startcard: Not Reported
 Proposed use: Domestic
 Type of work: New Well
 Diameter of well: 6
 Well depth completed: 92
 Pumpman: Not Reported
 Pump modelno: Not Reported
 Pump intake: 0
 End construction: 08/06/1996
 Fieldchecked by kpud: 0
 chem anal: 0
 Art flow: 0
 Artpress: Not Reported
 Art elevation: Not Reported
 Bailer airstest yn: 0
 screens yn: 1
 Surface seal yn: 1
 Survey date: Not Reported

Well id: 14080
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: Rotary
 Well depth drilled: 93
 Elevation: Not Reported
 Pumptype: Not Reported
 Pump horsepower: Not Reported
 Start construction: 08/06/1996
 Date entered: 05/19/1997
 Water temp: 0
 Artpress date: Not Reported
 Artflow date: Not Reported
 Artcontrol: Not Reported
 By whom: Not Reported
 perf yn: 0
 Gravel packyn: 0
 Well test yn: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Geologic Information:

Well id:	14080	Geolog id:	58625
Geolog from:	0	Geolog to:	18
Material:	COARSE SAND COBBLES YELLOW CLAY BINDER		
Date entered:	05/19/1997		

Well id:	14080	Geolog id:	58626
Geolog from:	18	Geolog to:	30
Material:	HARD PAN AND COARSE SAND		
Date entered:	05/19/1997		

Well id:	14080	Geolog id:	58627
Geolog from:	30	Geolog to:	49
Material:	FINE SAND WATER BEARING		
Date entered:	05/19/1997		

Well id:	14080	Geolog id:	58628
Geolog from:	49	Geolog to:	78
Material:	GRAY COARSE SAND WATER BEARING		
Date entered:	05/19/1997		

Well id:	14080	Geolog id:	58629
Geolog from:	78	Geolog to:	93
Material:	GRAY COARSE SAND GRAVEL AND WATER		
Date entered:	05/19/1997		

Casing Information:

Well id:	14080	Casing id:	10971
Casing from:	-1	Casing to:	89.599999999999994
Casing diameter:	6	Casing thickness:	Not Reported
Casing type:	Welded	Date entered:	05/19/1997

Screen Information:

Well id:	14080	Screen id:	7612
Screen from:	89.599999999999994	Screen to:	92
Screen man:	HOUSTON	Screen type:	SLOTTED
Model num:	Not Reported	Screen diam:	5
Screen slotsize:	.016	Date entered:	05/19/1997

Seal Information:

Well id:	14080	Seal id:	4137
Seal top:	0	Seal bottom:	2.0E+001
Seal material:	Bentonite	Unusable water:	Not Reported
Water type:	Not Reported	Strata depth:	Not Reported
Seal method:	Not Reported	Date entered:	05/19/1997

Waterlevel Information:

Wellid:	14080	Wlid:	-612352037
Wldate:	08/17/1996	Waterlevel:	34.5800018
Status:	P	Method:	Not Reported
Accuracy:	Not Reported	Installflag:	0
Artpress:	Not Reported	Artdate:	Not Reported
Artcontrol:	Not Reported	Elevation:	Not Reported
Stickup:	Not Reported		
Remark:	PUMPING 10 GPM AT 4.4 FT DRAWDOWN AFTER ONE HOUR		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Wellid:	14080	Wlid:	-416812670
Wldate:	08/17/1996	Waterlevel:	30.1800003
Status:	ST	Method:	Not Reported
Accuracy:	Not Reported	Installflag:	0
Artpress:	Not Reported	Artdate:	Not Reported
Artcontrol:	Not Reported	Elevation:	Not Reported
Stickup:	Not Reported		
Remark:	PUMPING TEST DONE BY DRILLER		

Well Test Yield Information:

Wellid:	14080	Date of test:	08/06/1996
Test type:	3	Time:	1
Yield:	75	Drawdown:	0
Date entered:	05/19/1997		

Water Quality Information:

Sample id:	2068	Well id:	14080
Sample id:	8/7/96	sample date:	08/07/1996
Treated YN:	0		
Comments:	COLLECTED BY ARCADIA DRILLING. WATER MANGEMENT LAB#8925956		

**AE103
SE
1/2 - 1 Mile
Lower**

FED USGS USGS3277221

Agency cd:	USGS	Site no:	473347122321301
Site name:	24N/02E-15P01	EDR Site id:	USGS3277221
Latitude:	473347	Dec lat:	47.56287472
Longitude:	1223213	Coor meth:	M
Dec lon:	-122.53818895	Latlong datum:	NAD27
Coor accr:	F	District:	53
Dec latlong datum:	NAD83	County:	035
State:	53	Land net:	SE SW S15 T24N R02E W
Country:	US	Map scale:	Not Reported
Location map:	Not Reported		
Altitude:	63		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Alluvial or marine terrace		
Site type:	Ground-water other than Spring	Date construction:	19420101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	353	Hole depth:	Not Reported
Source of depth data:	reporting agency (generally USGS)		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1948-09-20
Water quality data end date:	1948-09-20	Water quality data count:	1
Ground water data begin date:	1967-02-01	Ground water data end date:	1967-02-01
Ground water data count:	1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1967-02-01	30	

**AF104
NNW
1/2 - 1 Mile
Higher**

WA WELLS WAK10000003648

Well id: 1488
 Doe site id: Not Reported
 Usgs site id: 473457122333501
 Internal project no: Not Reported
 Local name: Not Reported
 Local number: 24N/02E-09L01
 Water right permit no: Not Reported
 Parcel id: Not Reported
 Township: 24
 Range: 2
 Meridian: E
 Section: 9
 Quarter quarter1: NE
 Quarter quarter2: SW
 Elevation: 45
 Well address: Not Reported
 Well city: Not Reported
 Well state: Not Reported
 Well zip: Not Reported
 Date entered: 2/1/1988 0:00:00
 Owner first: Not Reported
 Owner last: Not Reported
 Owner address1: Not Reported
 Owner address2: Not Reported
 Owner city: Not Reported
 Owner state: Not Reported
 Owner zip: Not Reported
 WI date: 1/1/1949 0:00:00
 Status: Not Reported

Water level: 1

Well Log Information:

Well log id: 1488
 Startcard: Not Reported
 Proposed use: Not Reported
 Type of work: Not Reported
 Diameter of well: Not Reported
 Well depth completed: 184
 Pumpman: Not Reported
 Pump modelno: Not Reported
 Pump intake: 0
 End construction: 01/01/1945
 Fieldchecked by kpud: 0
 chem anal: 0
 Art flow: 0
 Artpress: Not Reported
 Art elevation: Not Reported
 Bailer airstest yn: 0
 screens yn: 0
 Surface seal yn: 0
 Survey date: Not Reported

Well id: 1488
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: CABLE
 Well depth drilled: Not Reported
 Elevation: Not Reported
 Pumptype: Not Reported
 Pump horsepower: Not Reported
 Start construction: 01/01/1945
 Date entered: 02/01/1988
 Water temp: 0
 Artpress date: Not Reported
 Artflow date: Not Reported
 Artcontrol: Not Reported
 By whom: Not Reported
 perf yn: 0
 Gravel packyn: 0
 Well test yn: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Information:

Well id:	1488	Casing id:	1265
Casing from:	Not Reported	Casing to:	Not Reported
Casing diameter:	12	Casing thickness:	0
Casing type:	Not Reported	Date entered:	02/01/1988

AG105
West
1/2 - 1 Mile
Higher

FED USGS USGS3277309

Agency cd:	USGS	Site no:	473418122341901
Site name:	24N/02E-17G01	EDR Site id:	USGS3277309
Latitude:	473418	Dec lat:	47.57148523
Longitude:	1223419	Coor meth:	M
Dec lon:	-122.57319127	Latlong datum:	NAD27
Coor accr:	F	District:	53
Dec latlong datum:	NAD83	County:	035
State:	53	Land net:	SW NE S17 T24N R02E W
Country:	US	Map scale:	Not Reported
Location map:	Not Reported		
Altitude:	110		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	20		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Hilltop		
Site type:	Ground-water other than Spring	Date construction:	19590101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	175	Hole depth:	Not Reported
Source of depth data:	reporting agency (generally USGS)		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1959-04-01	Ground water data end date:	1959-04-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1959-04-01		

Note: The site was flowing, but the head could not be measured without additional equipment.

AE106
ESE
1/2 - 1 Mile
Lower

WA WELLS WAK10000003415

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id:	1376		
Doe site id:	AAB465		
Usgs site id:	473347122321301		
Internal project no:	Not Reported		
Local name:	US NAVY MANCHESTER FUEL DEPOT USN-2		
Local number:	24N/02E-15P01		
Water right permit no:	Not Reported		
Parcel id:	Not Reported		
Township:	24		
Range:	2		
Meridian:	E		
Section:	15		
Quarter quarter1:	SE		
Quarter quarter2:	SW		
Elevation:	63		
Well address:	Not Reported		
Well city:	Not Reported		
Well state:	Not Reported		
Well zip:	Not Reported		
Date entered:	6/6/1989 0:00:00		
Owner first:	Not Reported		
Owner last:	USN		
Owner address1:	Not Reported		
Owner address2:	Not Reported		
Owner city:	Not Reported		
Owner state:	Not Reported		
Owner zip:	Not Reported		
WI date:	2/15/1967 0:00:00	Water level:	29.600000000000001
Status:	Not Reported		

Well Log Information:

Well log id:	1376	Well id:	1376
Startcard:	Not Reported	Waterright permitno:	Not Reported
Proposed use:	Not Reported	Proposed type:	Not Reported
Type of work:	Abandoned	Drilling method:	CABLE
Diameter of well:	10	Well depth drilled:	353
Well depth completed:	353	Elevation:	Not Reported
Pumpman:	Not Reported	Pumptype:	Not Reported
Pump modelno:	Not Reported	Pump horsepower:	Not Reported
Pump intake:	0	Start construction:	01/01/1942
End construction:	01/01/1942	Date entered:	06/06/1989
Fieldchecked by kpud:	0	Water temp:	0
chem anal:	0	Artpress date:	Not Reported
Art flow:	0	Artflow date:	Not Reported
Artpress:	Not Reported	Artcontrol:	Not Reported
Art elevation:	Not Reported	By whom:	by Driller
Bailer airtest yn:	0	perf yn:	1
screens yn:	0	Gravel packyn:	0
Surface seal yn:	0	Well test yn:	1
Survey date:	Not Reported		

Geologic Information:

Well id:	1376	Geolog id:	2245
Geolog from:	0	Geolog to:	4
Material:	CLAY, BROWN, SANDY		
Date entered:	07/03/1988		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id: 1376 Geolog id: 2246
 Geolog from: 40 Geolog to: 218
 Material: SAND, BRN, W/SANDY CLAY & GRAVEL
 Date entered: 07/03/1988

Well id: 1376 Geolog id: 2247
 Geolog from: 218 Geolog to: 226
 Material: SAND AND GRAVEL
 Date entered: 07/03/1988

Well id: 1376 Geolog id: 2248
 Geolog from: 226 Geolog to: 237
 Material: GRAVEL, GREEN, CEMENTED
 Date entered: 07/03/1988

Well id: 1376 Geolog id: 2249
 Geolog from: 237 Geolog to: 241
 Material: SANDSTONE, BLACK
 Date entered: 07/03/1988

Well id: 1376 Geolog id: 2250
 Geolog from: 241 Geolog to: 270
 Material: CLAY, BLUE
 Date entered: 07/03/1988

Well id: 1376 Geolog id: 56579
 Geolog from: 270 Geolog to: 353
 Material: CLAY, BLUE, SANDY, SOME GRAVEL
 Date entered: 02/19/1997

Casing Information:
 Well id: 1376 Casing id: 1179
 Casing from: 0 Casing to: 353
 Casing diameter: 10 Casing thickness: 0
 Casing type: Not Reported Date entered: 06/06/1989

Perforation Information:
 Well id: 1376 Perf id: 22
 Perf from: 220 Perf to: 226
 Perf type: Not Reported Perf width: Not Reported
 Perf length: Not Reported Date entered: 06/06/1989

Well test Recovery Information:
 Wellid: 1376 Date of test: 02/15/1967
 Testtype: 1 Time: 8
 Waterlevel: 87

Well Test Yield Information:
 Wellid: 1376 Date of test: 02/15/1967
 Test type: 1 Time: 8
 Yield: 200 Drawdown: 0
 Date entered: 06/06/1989

**AD107
 WNW
 1/2 - 1 Mile
 Higher**

WA WELLS WAK10000003567

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id:	1452		
Doe site id:	Not Reported		
Usgs site id:	473426122342101		
Internal project no:	Not Reported		
Local name:	Not Reported		
Local number:	24N/02E-17B01		
Water right permit no:	Not Reported		
Parcel id:	Not Reported		
Township:	24		
Range:	2		
Meridian:	E		
Section:	17		
Quarter quarter1:	NW		
Quarter quarter2:	NE		
Elevation:	50		
Well address:	Not Reported		
Well city:	Not Reported		
Well state:	Not Reported		
Well zip:	Not Reported		
Date entered:	2/1/1988 0:00:00		
Owner first:	Not Reported		
Owner last:	Not Reported		
Owner address1:	Not Reported		
Owner address2:	Not Reported		
Owner city:	Not Reported		
Owner state:	Not Reported		
Owner zip:	Not Reported		
WI date:	Not Reported	Water level:	Not Reported
Status:	Not Reported		

Well Log Information:

Well log id:	1452	Well id:	1452
Startcard:	Not Reported	Waterright permitno:	Not Reported
Proposed use:	Not Reported	Proposed type:	Not Reported
Type of work:	Not Reported	Drilling method:	DUG
Diameter of well:	Not Reported	Well depth drilled:	Not Reported
Well depth completed:	130	Elevation:	Not Reported
Pumpman:	Not Reported	Pumptype:	Not Reported
Pump modelno:	Not Reported	Pump horsepower:	Not Reported
Pump intake:	0	Start construction:	01/01/1948
End construction:	01/01/1948	Date entered:	02/01/1988
Fieldchecked by kpud:	0	Water temp:	0
chem anal:	0	Artpress date:	Not Reported
Art flow:	0	Artflow date:	Not Reported
Artpress:	Not Reported	Artcontrol:	Not Reported
Art elevation:	Not Reported	By whom:	Not Reported
Bailer airtest yn:	0	perf yn:	0
screens yn:	0	Gravel packyn:	0
Surface seal yn:	0	Well test yn:	0
Survey date:	Not Reported		

**AF108
NNW
1/2 - 1 Mile
Higher**

FED USGS USGS3277428

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	473457122333501
Site name:	24N/02E-09L01	EDR Site id:	USGS3277428
Latitude:	473457	Dec lat:	47.58231873
Longitude:	1223335	Coor meth:	M
Dec lon:	-122.56096863	Latlong datum:	NAD27
Coor accr:	S	District:	53
Dec latlong datum:	NAD83	County:	035
State:	53	Land net:	NE SW S09 T24N R02E W
Country:	US	Map scale:	Not Reported
Location map:	Not Reported		
Altitude:	45		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Hilltop		
Site type:	Ground-water other than Spring	Date construction:	19450101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	184	Hole depth:	Not Reported
Source of depth data:	other		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1949-00-00
Water quality data end date:	1949-00-00	Water quality data count:	1
Ground water data begin date:	1949-01-01	Ground water data end date:	1949-01-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
------	-----------------------	---------------------

1949-01-01

Note: The site was flowing, but the head could not be measured without additional equipment.

AG109
West
1/2 - 1 Mile
Higher

WA WELLS WAK10000003532

Well id:	604589624
Doe site id:	AEK572
Usgs site id:	Not Reported
Internal project no:	Not Reported
Local name:	Not Reported
Local number:	24N/02E-17G05
Water right permit no:	Not Reported
Parcel id:	17240210652007
Township:	24
Range:	2
Meridian:	E
Section:	17
Quarter quarter1:	SW
Quarter quarter2:	NE

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Elevation:	110		
Well address:	WOODS ROAD/BEAVER CREEK ROAD		
Well city:	PORT ORCHARD		
Well state:	WA		
Well zip:	98366		
Date entered:	9/14/1999 11:06:10		
Owner first:	RICHARD		
Owner last:	FREIBOTH		
Owner address1:	7318 E RAINTREE LANE		
Owner address2:	Not Reported		
Owner city:	PORT ORCHARD		
Owner state:	WA		
Owner zip:	98366		
WI date:	8/23/1999 0:00:00	Water level:	59.5
Status:	Not Reported		

Well Log Information:

Well log id:	669585369	Well id:	604589624
Startcard:	Not Reported	Waterright permitno:	Not Reported
Proposed use:	Domestic	Proposed type:	Not Reported
Type of work:	New Well	Drilling method:	Rotary
Diameter of well:	6	Well depth drilled:	123
Well depth completed:	123	Elevation:	Not Reported
Pumpman:	Not Reported	Pumptype:	Not Reported
Pump modelno:	Not Reported	Pump horsepower:	Not Reported
Pump intake:	0	Start construction:	08/20/1999
End construction:	08/23/1999	Date entered:	09/14/1999
Fieldchecked by kpud:	0	Water temp:	0
chem anal:	0	Artpress date:	Not Reported
Art flow:	0	Artflow date:	Not Reported
Artpress:	Not Reported	Artcontrol:	Not Reported
Art elevation:	Not Reported	By whom:	Not Reported
Bailer airtest yn:	0	perf yn:	0
screens yn:	1	Gravel packyn:	0
Surface seal yn:	1	Well test yn:	0
Survey date:	Not Reported		

Geologic Information:

Well id:	604589624	Geolog id:	-1800922434
Geolog from:	71	Geolog to:	94
Material:	GRAY SAND GRAVEL AND CLAY		
Date entered:	09/14/1999		

Well id:	604589624	Geolog id:	-274009903
Geolog from:	64	Geolog to:	71
Material:	GRAY SAND GRAVEL AND WATER		
Date entered:	09/14/1999		

Well id:	604589624	Geolog id:	-1559009433
Geolog from:	94	Geolog to:	106
Material:	GRAY SAND WATER		
Date entered:	09/14/1999		

Well id:	604589624	Geolog id:	-1119517168
Geolog from:	23	Geolog to:	64
Material:	GRAY SAND GRAVEL AND CLAY		
Date entered:	09/14/1999		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id:	604589624	Geolog id:	806336284
Geolog from:	106	Geolog to:	120
Material:	GRAY SANDY CLAY		
Date entered:	09/14/1999		
Well id:	604589624	Geolog id:	1271701163
Geolog from:	3	Geolog to:	23
Material:	BROWN SAND GRAVEL AND CLAY		
Date entered:	09/14/1999		
Well id:	604589624	Geolog id:	-867805203
Geolog from:	120	Geolog to:	123
Material:	GRAYS AND WATER		
Date entered:	09/14/1999		
Well id:	604589624	Geolog id:	-810066542
Geolog from:	0	Geolog to:	3
Material:	PIPE STICK UP		
Date entered:	09/14/1999		
Casing Information:			
Well id:	604589624	Casing id:	-512442586
Casing from:	0	Casing to:	96.29999999999997
Casing diameter:	6	Casing thickness:	Not Reported
Casing type:	Welded	Date entered:	09/14/1999
Screen Information:			
Well id:	604589624	Screen id:	281132463
Screen from:	97.79999999999997	Screen to:	103
Screen man:	JOHNSON	Screen type:	SS
Model num:	Not Reported	Screen diam:	6
Screen slotsize:	.0179999999999999	Date entered:	09/14/1999
Well id:	604589624	Screen id:	1127846340
Screen from:	118	Screen to:	123.09999999999999
Screen man:	JOHNSON	Screen type:	SS
Model num:	Not Reported	Screen diam:	6
Screen slotsize:	.014	Date entered:	09/14/1999
Seal Information:			
Well id:	604589624	Seal id:	655669109
Seal top:	0	Seal bottom:	1.8E+001
Seal material:	Bentonite	Unusable water:	Not Reported
Water type:	Not Reported	Strata depth:	Not Reported
Seal method:	Not Reported	Date entered:	09/14/1999
Waterlevel Information:			
Wellid:	604589624	Wlid:	899441322
Wldate:	08/27/1999	Waterlevel:	59.5
Status:	ST	Method:	Not Reported
Accuracy:	Not Reported	Installflag:	0
Artpress:	Not Reported	Artdate:	Not Reported
Artcontrol:	Not Reported	Elevation:	Not Reported
Stickup:	Not Reported		
Remark:	PUMPING TEST DONE BY DRILLER		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Wellid:	604589624	Wlid:	-979233821
Wldate:	08/27/1999	Waterlevel:	95
Status:	P	Method:	Not Reported
Accuracy:	Not Reported	Installflag:	0
Artpress:	Not Reported	Artdate:	Not Reported
Artcontrol:	Not Reported	Elevation:	Not Reported
Stickup:	Not Reported		
Remark:	PUMPING 30 GPM AT 35.5 FT DRAWDOWN AFTER ONE HOUR		

Wellid:	604589624	Wlid:	-21379045
Wldate:	08/24/1999	Waterlevel:	Not Reported
Status:	Not Reported	Method:	Not Reported
Accuracy:	Not Reported	Installflag:	0
Artpress:	Not Reported	Artdate:	Not Reported
Artcontrol:	Not Reported	Elevation:	Not Reported
Stickup:	3		
Remark:	BKCHD/LUM		

Well Test Yield Information:

Wellid:	604589624	Date of test:	08/23/1999
Test type:	2	Time:	1
Yield:	15	Drawdown:	20
Date entered:	09/14/1999		

Water Quality Information:

Sample id:	622555368	Well id:	604589624
Sample id:	8/27/99	sample date:	08/27/1999
Treated YN:	0		
Comments:	COLLECTED BY NICHOLSON DRILLING. TWISS LAB#01037414		

**AH110
WNW
1/2 - 1 Mile
Higher**

WA WELLS WAK10000003582

Well id:	1461
Doe site id:	Not Reported
Usgs site id:	473432122341901
Internal project no:	Not Reported
Local name:	Not Reported
Local number:	24N/02E-17B04
Water right permit no:	Not Reported
Parcel id:	Not Reported
Township:	24
Range:	2
Meridian:	E
Section:	17
Quarter quarter1:	NW
Quarter quarter2:	NE
Elevation:	60
Well address:	Not Reported
Well city:	Not Reported
Well state:	Not Reported
Well zip:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Date entered: 2/1/1988 0:00:00
 Owner first: Not Reported
 Owner last: Not Reported
 Owner address1: Not Reported
 Owner address2: Not Reported
 Owner city: Not Reported
 Owner state: Not Reported
 Owner zip: Not Reported
 WI date: Not Reported
 Status: Not Reported

Water level: 1

Well Log Information:

Well log id: 1461
 Startcard: Not Reported
 Proposed use: Not Reported
 Type of work: Not Reported
 Diameter of well: Not Reported
 Well depth completed: 31
 Pumpman: Not Reported
 Pump modelno: Not Reported
 Pump intake: 0
 End construction: Not Reported
 Fieldchecked by kpud: 0
 chem anal: 0
 Art flow: 0
 Artpress: Not Reported
 Art elevation: Not Reported
 Bailer airstest yn: 0
 screens yn: 0
 Surface seal yn: 0
 Survey date: Not Reported

Well id: 1461
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: DUG
 Well depth drilled: Not Reported
 Elevation: Not Reported
 Pumptype: Not Reported
 Pump horsepower: Not Reported
 Start construction: Not Reported
 Date entered: 02/01/1988
 Water temp: 0
 Artpress date: Not Reported
 Artflow date: Not Reported
 Artcontrol: Not Reported
 By whom: Not Reported
 perf yn: 0
 Gravel packyn: 0
 Well test yn: 0

AI111
SW
1/2 - 1 Mile
Higher

WA WELLS WAK10000003373

AG112
West
1/2 - 1 Mile
Higher

WA WELLS WAK10000003548

Well id: 1442
 Doe site id: Not Reported
 Usgs site id: 473419122342501
 Internal project no: Not Reported
 Local name: Not Reported
 Local number: 24N/01E-17G01
 Water right permit no: Not Reported
 Parcel id: Not Reported
 Township: 24
 Range: 1
 Meridian: E
 Section: 17
 Quarter quarter1: SW
 Quarter quarter2: NE

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Elevation: 0
 Well address: 694 KITSAP LAKE ROAD
 Well city: BREMERTON
 Well state: WA
 Well zip: Not Reported
 Date entered: 8/27/1991 0:00:00
 Owner first: CLAUDE
 Owner last: BROOKMAN
 Owner address1: 694 KITSAP LAKE ROAD NW
 Owner address2: Not Reported
 Owner city: BREMERTON
 Owner state: WA
 Owner zip: Not Reported
 WI date: 12/11/1989 0:00:00
 Status: Not Reported

Water level: 69

Well Log Information:

Well log id: 1442
 Startcard: 036135
 Proposed use: Domestic
 Type of work: New Well
 Diameter of well: 6
 Well depth completed: 333
 Pumpman: BERKELEY
 Pump modelno: 1 HP
 Pump intake: 0
 End construction: 12/11/1989
 Fieldchecked by kpud: 0
 chem anal: 0
 Art flow: 0
 Artpress: Not Reported
 Art elevation: Not Reported
 Bailer airtest yn: 0
 screens yn: 1
 Surface seal yn: 1
 Survey date: Not Reported

Well id: 1442
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: CABLE
 Well depth drilled: 333
 Elevation: Not Reported
 Pumptype: SUB
 Pump horsepower: Not Reported
 Start construction: 11/24/1989
 Date entered: 08/27/1991
 Water temp: 0
 Artpress date: Not Reported
 Artflow date: Not Reported
 Artcontrol: Not Reported
 By whom: by Driller
 perf yn: 0
 Gravel packyn: 0
 Well test yn: 1

Geologic Information:

Well id: 1442
 Geolog from: 300
 Material: BL CLAY ,ROBBERY
 Date entered: Not Reported

Geolog id: 16512
 Geolog to: 328

Well id: 1442
 Geolog from: 328
 Material: BRN COARSE WATER ,SAND ,GRAVEL
 Date entered: Not Reported

Geolog id: 16513
 Geolog to: 328.00999999999999

Well id: 1442
 Geolog from: 0
 Material: BRN CLAY/SAND/GRAVEL
 Date entered: Not Reported

Geolog id: 2324
 Geolog to: 4

Well id: 1442
 Geolog from: 4
 Material: BRN CLAY/GRAVEL
 Date entered: Not Reported

Geolog id: 2325
 Geolog to: 28

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id:	1442	Geolog id:	2326
Geolog from:	28	Geolog to:	82
Material:	BL CLAY		
Date entered:	Not Reported		
Well id:	1442	Geolog id:	2327
Geolog from:	82	Geolog to:	84
Material:	GRY SILTY SAND		
Date entered:	Not Reported		
Well id:	1442	Geolog id:	2328
Geolog from:	84	Geolog to:	280
Material:	BL CLAY		
Date entered:	Not Reported		
Well id:	1442	Geolog id:	2329
Geolog from:	280	Geolog to:	290
Material:	BL CLAY W SILT LAYERS		
Date entered:	Not Reported		
Well id:	1442	Geolog id:	2330
Geolog from:	290	Geolog to:	300
Material:	BL CLAY		
Date entered:	Not Reported		
Casing Information:			
Well id:	1442	Casing id:	1229
Casing from:	0	Casing to:	229
Casing diameter:	6	Casing thickness:	0
Casing type:	Welded	Date entered:	08/27/1991
Screen Information:			
Well id:	1442	Screen id:	649
Screen from:	229	Screen to:	333
Screen man:	JOHNSON	Screen type:	SS
Model num:	Not Reported	Screen diam:	5
Screen slotsize:	.012	Date entered:	Not Reported
Seal Information:			
Well id:	1442	Seal id:	424
Seal top:	0	Seal bottom:	2.0E+001
Seal material:	BENTONITE	Unusable water:	Not Reported
Water type:	Not Reported	Strata depth:	0
Seal method:	Not Reported	Date entered:	08/27/1991
Well Test Yield Information:			
Wellid:	1442	Date of test:	12/11/1989
Test type:	1	Time:	4
Yield:	15	Drawdown:	45
Date entered:	02/13/1997		
Wellid:	1442	Date of test:	12/11/1989
Test type:	2	Time:	4
Yield:	10	Drawdown:	30
Date entered:	02/13/1997		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

AH113
WNW
1/2 - 1 Mile
Higher

WA WELLS WAK10000003586

Well id: 1464
 Doe site id: Not Reported
 Usgs site id: 473435122341801
 Internal project no: Not Reported
 Local name: Not Reported
 Local number: 24N/02E-17B05
 Water right permit no: Not Reported
 Parcel id: Not Reported
 Township: 24
 Range: 2
 Meridian: E
 Section: 17
 Quarter quarter1: NW
 Quarter quarter2: NE
 Elevation: 50
 Well address: Not Reported
 Well city: Not Reported
 Well state: Not Reported
 Well zip: Not Reported
 Date entered: 2/1/1988 0:00:00
 Owner first: Not Reported
 Owner last: Not Reported
 Owner address1: Not Reported
 Owner address2: Not Reported
 Owner city: Not Reported
 Owner state: Not Reported
 Owner zip: Not Reported
 WI date: Not Reported
 Status: Not Reported

Water level: Not Reported

Well Log Information:

Well log id: 1464
 Startcard: Not Reported
 Proposed use: Not Reported
 Type of work: Not Reported
 Diameter of well: Not Reported
 Well depth completed: 72
 Pumpman: Not Reported
 Pump modelno: Not Reported
 Pump intake: 0
 End construction: 01/01/1935
 Fieldchecked by kpud: 0
 chem anal: 0
 Art flow: 0
 Artpress: Not Reported
 Art elevation: Not Reported
 Bailer airtest yn: 0
 screens yn: 0
 Surface seal yn: 0
 Survey date: Not Reported

Well id: 1464
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: CABLE
 Well depth drilled: Not Reported
 Elevation: Not Reported
 Pumptype: Not Reported
 Pump horsepower: Not Reported
 Start construction: 01/01/1935
 Date entered: 02/01/1988
 Water temp: 0
 Artpress date: Not Reported
 Artflow date: Not Reported
 Artcontrol: Not Reported
 By whom: Not Reported
 perf yn: 0
 Gravel packyn: 0
 Well test yn: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Information:

Well id:	1464	Casing id:	1246
Casing from:	Not Reported	Casing to:	Not Reported
Casing diameter:	6	Casing thickness:	0
Casing type:	Not Reported	Date entered:	02/01/1988

**AI114
SW
1/2 - 1 Mile
Higher**

WA WELLS WA6000000013284

Objectid:	13259	Pwssrcid:	8389101
Oid :	17605	Pwsid:	83891
Srcnum:	01	Systemname:	STEAD WATER
Systemgrp:	B	Systemtype:	GRPB
Region:	Southwest	County:	KITSAP
Srcname:	WELL	Srctype:	Ground Water - Well
Srcuse:	Permanent		
Longitude:	-122.569		
Latitude:	47.56115		
Locmethod:	Quarter Quarter Section	Srcsuscept:	Not Rated
Dayphone:	(360) 871-0635	Addr1:	Not Reported
Addr2:	2856 WOODS RD SE	City:	PORT ORCHARD
State:	WA	Zip:	98366
Emailaddr:	Not Reported	Site id:	WA6000000013284

**AJ115
NNE
1/2 - 1 Mile
Lower**

FED USGS USGS3277437

Agency cd:	USGS	Site no:	473500122325203
Site name:	24N/02E-09J03	EDR Site id:	USGS3277437
Latitude:	473500	Dec lat:	47.58315225
Longitude:	1223252	Coor meth:	M
Dec lon:	-122.54902345	Latlong datum:	NAD27
Coor accr:	S	District:	53
Dec latlong datum:	NAD83	County:	035
State:	53	Land net:	NE SE S09 T24N R02E W
Country:	US	Map scale:	24000
Location map:	BREMERTON EAST		
Altitude:	15		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Alluvial or marine terrace		
Site type:	Ground-water other than Spring	Date construction:	19500101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	29	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0
 Water quality data end date: 1978-07-25
 Ground water data begin date: 1967-05-16
 Ground water data count: 1

Water quality data begin date: 1967-05-16
 Water quality data count: 2
 Ground water data end date: 1967-05-16

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1967-05-16	4	

AK116
WNW
1/2 - 1 Mile
Higher

WA WELLS WAK10000003588

Well id: 1465
 Doe site id: Not Reported
 Usgs site id: 473437122341701
 Internal project no: Not Reported
 Local name: Not Reported
 Local number: 24N/02E-17B06
 Water right permit no: Not Reported
 Parcel id: Not Reported
 Township: 24
 Range: 2
 Meridian: E
 Section: 17
 Quarter quarter1: NW
 Quarter quarter2: NE
 Elevation: 60
 Well address: Not Reported
 Well city: Not Reported
 Well state: Not Reported
 Well zip: Not Reported
 Date entered: 2/1/1988 0:00:00
 Owner first: Not Reported
 Owner last: Not Reported
 Owner address1: Not Reported
 Owner address2: Not Reported
 Owner city: Not Reported
 Owner state: Not Reported
 Owner zip: Not Reported
 WI date: Not Reported
 Status: Not Reported

Water level: Not Reported

Well Log Information:

Well log id: 1465
 Startcard: Not Reported
 Proposed use: Not Reported
 Type of work: Not Reported
 Diameter of well: Not Reported
 Well depth completed: 620
 Pumpman: Not Reported
 Pump modelno: Not Reported
 Pump intake: 0
 End construction: 01/01/1935

Well id: 1465
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: CABLE
 Well depth drilled: Not Reported
 Elevation: Not Reported
 Pumptype: Not Reported
 Pump horsepower: Not Reported
 Start construction: 01/01/1935
 Date entered: 02/01/1988

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Fieldchecked by kpud:	0	Water temp:	0
chem anal:	0	Artpress date:	Not Reported
Art flow:	0	Artflow date:	Not Reported
Artpress:	Not Reported	Artcontrol:	Not Reported
Art elevation:	Not Reported	By whom:	Not Reported
Bailer airtest yn:	0	perf yn:	0
screens yn:	0	Gravel packyn:	0
Surface seal yn:	0	Well test yn:	0
Survey date:	Not Reported		
Casing Information:			
Well id:	1465	Casing id:	1247
Casing from:	Not Reported	Casing to:	Not Reported
Casing diameter:	6	Casing thickness:	0
Casing type:	Not Reported	Date entered:	02/01/1988

**AH117
WNW
1/2 - 1 Mile
Higher**

WA WELLS WAK10000003576

Well id:	1460		
Doe site id:	Not Reported		
Usgs site id:	473430122342201		
Internal project no:	Not Reported		
Local name:	Not Reported		
Local number:	24N/02E-17B03		
Water right permit no:	Not Reported		
Parcel id:	Not Reported		
Township:	24		
Range:	2		
Meridian:	E		
Section:	17		
Quarter quarter1:	NW		
Quarter quarter2:	NE		
Elevation:	80		
Well address:	Not Reported		
Well city:	Not Reported		
Well state:	Not Reported		
Well zip:	Not Reported		
Date entered:	2/1/1988 0:00:00		
Owner first:	Not Reported		
Owner last:	Not Reported		
Owner address1:	Not Reported		
Owner address2:	Not Reported		
Owner city:	Not Reported		
Owner state:	Not Reported		
Owner zip:	Not Reported		
WI date:	1/1/1948 0:00:00	Water level:	110
Status:	Not Reported		

Well Log Information:			
Well log id:	1460	Well id:	1460
Startcard:	Not Reported	Waterright permitno:	Not Reported
Proposed use:	Not Reported	Proposed type:	Not Reported
Type of work:	Not Reported	Drilling method:	CABLE
Diameter of well:	Not Reported	Well depth drilled:	Not Reported
Well depth completed:	140	Elevation:	Not Reported
Pumpman:	Not Reported	Pumptype:	Not Reported
Pump modelno:	Not Reported	Pump horsepower:	Not Reported
Pump intake:	0	Start construction:	01/01/1948
End construction:	01/01/1948	Date entered:	02/01/1988

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Fieldchecked by kpud:	0	Water temp:	0
chem anal:	0	Artpress date:	Not Reported
Art flow:	0	Artflow date:	Not Reported
Artpress:	Not Reported	Artcontrol:	Not Reported
Art elevation:	Not Reported	By whom:	Not Reported
Bailer airtest yn:	0	perf yn:	0
screens yn:	0	Gravel packyn:	0
Surface seal yn:	0	Well test yn:	0
Survey date:	Not Reported		

AL118
South
1/2 - 1 Mile
Higher

WA WELLS WAK10000003302

Well id:	1339
Doe site id:	Not Reported
Usgs site id:	473324122332601
Internal project no:	Not Reported
Local name:	Not Reported
Local number:	24N/02E-21F01
Water right permit no:	Not Reported
Parcel id:	Not Reported
Township:	24
Range:	2
Meridian:	E
Section:	21
Quarter quarter1:	SE
Quarter quarter2:	NW
Elevation:	290
Well address:	Not Reported
Well city:	Not Reported
Well state:	Not Reported
Well zip:	Not Reported
Date entered:	2/1/1988 0:00:00
Owner first:	Not Reported
Owner last:	Not Reported
Owner address1:	Not Reported
Owner address2:	Not Reported
Owner city:	Not Reported
Owner state:	Not Reported
Owner zip:	Not Reported
WI date:	4/1/1967 0:00:00
Status:	Not Reported

Water level:	176
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Well Log Information:

Well log id:	1339
Startcard:	Not Reported
Proposed use:	Not Reported
Type of work:	Not Reported
Diameter of well:	Not Reported
Well depth completed:	226
Pumpman:	Not Reported
Pump modelno:	Not Reported
Pump intake:	0
End construction:	01/01/1967

Well id:	1339
Waterright permitno:	Not Reported
Proposed type:	Not Reported
Drilling method:	Not Reported
Well depth drilled:	Not Reported
Elevation:	Not Reported
Pumptype:	Not Reported
Pump horsepower:	Not Reported
Start construction:	01/01/1967
Date entered:	02/01/1988

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Fieldchecked by kpud:	0	Water temp:	0
chem anal:	0	Artpress date:	Not Reported
Art flow:	0	Artflow date:	Not Reported
Artpress:	Not Reported	Artcontrol:	Not Reported
Art elevation:	Not Reported	By whom:	Not Reported
Bailer airtest yn:	0	perf yn:	0
screens yn:	1	Gravel packyn:	0
Surface seal yn:	0	Well test yn:	1
Survey date:	Not Reported		

Casing Information:			
Well id:	1339	Casing id:	1144
Casing from:	Not Reported	Casing to:	Not Reported
Casing diameter:	6	Casing thickness:	0
Casing type:	Not Reported	Date entered:	02/01/1988

Screen Information:			
Well id:	1339	Screen id:	611
Screen from:	0	Screen to:	222
Screen man:	Not Reported	Screen type:	Not Reported
Model num:	Not Reported	Screen diam:	Not Reported
Screen slotsize:	Not Reported	Date entered:	Not Reported

Well test Recovery Information:			
Wellid:	1339	Date of test:	01/01/1901
Testtype:	1	Time:	3
Waterlevel:	182		

Well Test Yield Information:			
Wellid:	1339	Date of test:	01/01/1901
Test type:	1	Time:	3
Yield:	12	Drawdown:	0
Date entered:	02/01/1988		

119
WSW
1/2 - 1 Mile
Higher

WA WELLS WAK10000003411

AM120
SW
1/2 - 1 Mile
Higher

WA WELLS WAK10000003396

Well id:	1368
Doe site id:	Not Reported
Usgs site id:	473343122341301
Internal project no:	Not Reported
Local name:	Not Reported
Local number:	24N/02E-20A02
Water right permit no:	Not Reported
Parcel id:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Township: 24
 Range: 2
 Meridian: E
 Section: 20
 Quarter quarter1: NE
 Quarter quarter2: NE
 Elevation: 300
 Well address: Not Reported
 Well city: Not Reported
 Well state: Not Reported
 Well zip: Not Reported
 Date entered: 2/1/1988 0:00:00
 Owner first: Not Reported
 Owner last: Not Reported
 Owner address1: Not Reported
 Owner address2: Not Reported
 Owner city: Not Reported
 Owner state: Not Reported
 Owner zip: Not Reported
 WI date: Not Reported
 Status: Not Reported

Water level: 26

Well Log Information:

Well log id: 1368
 Startcard: Not Reported
 Proposed use: Not Reported
 Type of work: Not Reported
 Diameter of well: Not Reported
 Well depth completed: 35
 Pumpman: Not Reported
 Pump modelno: Not Reported
 Pump intake: 0
 End construction: Not Reported
 Fieldchecked by kpud: 0
 chem anal: 0
 Art flow: 0
 Artpress: Not Reported
 Art elevation: Not Reported
 Bailer airtest yn: 0
 screens yn: 0
 Surface seal yn: 0
 Survey date: Not Reported

Well id: 1368
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: DUG
 Well depth drilled: Not Reported
 Elevation: Not Reported
 Pumptype: Not Reported
 Pump horsepower: Not Reported
 Start construction: Not Reported
 Date entered: 02/01/1988
 Water temp: 0
 Artpress date: Not Reported
 Artflow date: Not Reported
 Artcontrol: Not Reported
 By whom: Not Reported
 perf yn: 0
 Gravel packyn: 0
 Well test yn: 0

Casing Information:

Well id: 1368
 Casing from: Not Reported
 Casing diameter: 30
 Casing type: Not Reported

Casing id: 1172
 Casing to: Not Reported
 Casing thickness: 0
 Date entered: 02/01/1988

AI121
SW
1/2 - 1 Mile
Higher

WA WELLS WA600000013286

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Objectid:	17044	Pwssrcid:	0203701
Oid :	1747	Pwsid:	02037
Srcnum:	01	Systemname:	CORBETT
Systemgrp:	B	Systemtype:	GRPB
Region:	Southwest	County:	KITSAP
Srcname:	Well 01	Srctype:	Ground Water - Well
Srcuse:	Permanent		
Longitude:	-122.56974		
Latitude:	47.56146		
Locmethod:	GPS	Srcsuscept:	Not Rated
Dayphone:	(360) 871-4559	Addr1:	Not Reported
Addr2:	2935 WOODS RD E	City:	PORT ORCHARD
State:	WA	Zip:	98366
Emailaddr:	Not Reported	Site id:	WA6000000013286

**122
WSW
1/2 - 1 Mile
Higher**

WA WELLS WAK10000003460

Well id:	5297		
Doe site id:	AAB581		
Usgs site id:	Not Reported		
Internal project no:	Not Reported		
Local name:	JOHANSON PRIVATE WELL		
Local number:	24N/02E-17K01		
Water right permit no:	Not Reported		
Parcel id:	Not Reported		
Township:	24		
Range:	2		
Meridian:	E		
Section:	17		
Quarter quarter1:	NW		
Quarter quarter2:	SE		
Elevation:	268		
Well address:	Not Reported		
Well city:	Not Reported		
Well state:	Not Reported		
Well zip:	Not Reported		
Date entered:	2/10/1993 0:00:00		
Owner first:	JOHN		
Owner last:	JOHANSON		
Owner address1:	3604 WOODS ROAD		
Owner address2:	Not Reported		
Owner city:	PORT ORCHARD		
Owner state:	WA		
Owner zip:	98366		
WI date:	5/30/1980 0:00:00	Water level:	27
Status:	Not Reported		

Well Log Information:			
Well log id:	11183	Well id:	5297
Startcard:	Not Reported	Waterright permitno:	Not Reported
Proposed use:	Domestic	Proposed type:	Not Reported
Type of work:	New Well	Drilling method:	Cable
Diameter of well:	6	Well depth drilled:	47.5
Well depth completed:	47.5	Elevation:	Not Reported
Pumpman:	Not Reported	Pumptype:	Not Reported
Pump modelno:	Not Reported	Pump horsepower:	Not Reported
Pump intake:	0	Start construction:	05/16/1980
End construction:	05/30/1980	Date entered:	02/20/1997

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Fieldchecked by kpud:	0	Water temp:	0
chem anal:	0	Artpress date:	Not Reported
Art flow:	0	Artflow date:	Not Reported
Artpress:	Not Reported	Artcontrol:	Not Reported
Art elevation:	Not Reported	By whom:	Not Reported
Bailer airtest yn:	0	perf yn:	0
screens yn:	1	Gravel packyn:	0
Surface seal yn:	1	Well test yn:	0
Survey date:	Not Reported		

Geologic Information:

Well id:	5297	Geolog id:	56633
Geolog from:	0	Geolog to:	5
Material:	TOP SOIL BROWN HARDPAN		
Date entered:	02/20/1997		

Well id:	5297	Geolog id:	56634
Geolog from:	5	Geolog to:	11
Material:	BROWN SANDY CLAY		
Date entered:	02/20/1997		

Well id:	5297	Geolog id:	56635
Geolog from:	11	Geolog to:	12
Material:	BROWN HARDPAN		
Date entered:	02/20/1997		

Well id:	5297	Geolog id:	56636
Geolog from:	12	Geolog to:	23
Material:	BROWN SANDY CLAY		
Date entered:	02/20/1997		

Well id:	5297	Geolog id:	56637
Geolog from:	23	Geolog to:	28.5
Material:	SILTY WATER BEARING BROWN SND AND CLAY		
Date entered:	02/20/1997		

Well id:	5297	Geolog id:	56638
Geolog from:	28.5	Geolog to:	29
Material:	BROWN DRY SANDY CLAY		
Date entered:	02/20/1997		

Well id:	5297	Geolog id:	56639
Geolog from:	29	Geolog to:	46.5
Material:	LOSE WATER BEARING FINE BROWN SAND		
Date entered:	02/20/1997		

Well id:	5297	Geolog id:	56640
Geolog from:	46.5	Geolog to:	47.5
Material:	BLUE CLAY		
Date entered:	02/20/1997		

Casing Information:

Well id:	5297	Casing id:	4811
Casing from:	46.5	Casing to:	47.5
Casing diameter:	5	Casing thickness:	0
Casing type:	Welded	Date entered:	02/10/1993

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id:	5297	Casing id:	4812
Casing from:	0	Casing to:	36.5
Casing diameter:	6	Casing thickness:	0
Casing type:	Not Reported	Date entered:	02/10/1993
Screen Information:			
Well id:	5297	Screen id:	3140
Screen from:	36	Screen to:	46.5
Screen man:	JOHNSON	Screen type:	SS
Model num:	Not Reported	Screen diam:	6
Screen slotsize:	.01	Date entered:	Not Reported
Seal Information:			
Well id:	5297	Seal id:	2577
Seal top:	0	Seal bottom:	1.9E+001
Seal material:	BENTONITE	Unusable water:	Not Reported
Water type:	Not Reported	Strata depth:	0
Seal method:	Not Reported	Date entered:	02/10/1993
Well Test Yield Information:			
Wellid:	5297	Date of test:	05/30/1980
Test type:	2	Time:	4
Yield:	5	Drawdown:	5
Date entered:	05/27/1996		
Water Quality Information:			
Sample id:	1278	Well id:	5297
Sample id:	1/25/93	sample date:	01/25/1993
Treated YN:	0		
Comments:	COLLECTED BY KPUD/MM. DEPARTMENT OF HEALTH LAB#6301024		

**AJ123
NNE
1/2 - 1 Mile
Higher**

FED USGS USGS3277446

Agency cd:	USGS	Site no:	473501122325302
Site name:	24N/02E-09J02		
Latitude:	473501	EDR Site id:	USGS3277446
Longitude:	1223253	Dec lat:	47.58343002
Dec lon:	-122.54930126	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	035
Country:	US	Land net:	NE SE S09 T24N R02E W
Location map:	BREMERTON EAST	Map scale:	24000
Altitude:	15		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Alluvial or marine terrace		
Site type:	Ground-water other than Spring	Date construction:	19410101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	24	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0
 Water quality data end date: 1978-10-11
 Ground water data begin date: 1967-05-16
 Ground water data count: 1

Water quality data begin date: 1967-05-16
 Water quality data count: 3
 Ground water data end date: 1967-05-16

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
----- 1967-05-16	4	

AL124
SSW
1/2 - 1 Mile
Higher

WA WELLS WAK10000003301

Well id: 1340
 Doe site id: Not Reported
 Usgs site id: 473324122333003
 Internal project no: Not Reported
 Local name: Not Reported
 Local number: 24N/02E-21F02
 Water right permit no: Not Reported
 Parcel id: Not Reported
 Township: 24
 Range: 2
 Meridian: E
 Section: 21
 Quarter quarter1: SE
 Quarter quarter2: NW
 Elevation: 280
 Well address: Not Reported
 Well city: Not Reported
 Well state: Not Reported
 Well zip: Not Reported
 Date entered: 2/1/1988 0:00:00
 Owner first: Not Reported
 Owner last: Not Reported
 Owner address1: Not Reported
 Owner address2: Not Reported
 Owner city: Not Reported
 Owner state: Not Reported
 Owner zip: Not Reported
 WI date: 4/1/1967 0:00:00
 Status: Not Reported

Water level: 73

Well Log Information:

Well log id: 1340
 Startcard: Not Reported
 Proposed use: Not Reported
 Type of work: Not Reported
 Diameter of well: Not Reported
 Well depth completed: 81
 Pumpman: Not Reported
 Pump modelno: Not Reported
 Pump intake: 0
 End construction: 01/01/1967

Well id: 1340
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: DUG
 Well depth drilled: Not Reported
 Elevation: Not Reported
 Pumptype: Not Reported
 Pump horsepower: Not Reported
 Start construction: 01/01/1967
 Date entered: 02/01/1988

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Fieldchecked by kpud:	0	Water temp:	0
chem anal:	0	Artpress date:	Not Reported
Art flow:	0	Artflow date:	Not Reported
Artpress:	Not Reported	Artcontrol:	Not Reported
Art elevation:	Not Reported	By whom:	Not Reported
Bailer airtest yn:	0	perf yn:	0
screens yn:	0	Gravel packyn:	0
Surface seal yn:	0	Well test yn:	0
Survey date:	Not Reported		

Casing Information:

Well id:	1340	Casing id:	1145
Casing from:	Not Reported	Casing to:	Not Reported
Casing diameter:	30	Casing thickness:	0
Casing type:	Not Reported	Date entered:	02/01/1988

**125
WNW
1/2 - 1 Mile
Higher**

FED USGS USGS3277331

Agency cd:	USGS	Site no:	473426122342101
Site name:	24N/02E-17B05	EDR Site id:	USGS3277331
Latitude:	473426	Dec lat:	47.57370743
Longitude:	1223421	Coor meth:	M
Dec lon:	-122.57374693	Latlong datum:	NAD27
Coor accr:	F	District:	53
Dec latlong datum:	NAD83	County:	035
State:	53	Land net:	NW NE S17 T24N R02E W
Country:	US	Map scale:	Not Reported
Location map:	Not Reported		
Altitude:	50		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Hilltop		
Site type:	Ground-water other than Spring	Date construction:	19480101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	130	Hole depth:	Not Reported
Source of depth data:	driller		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

AN126
SSW
1/2 - 1 Mile
Higher

WA WELLS WAK10000003306

Well id: 14081
 Doe site id: ABV990
 Usgs site id: Not Reported
 Internal project no: Not Reported
 Local name: Not Reported
 Local number: 24N/02E-21F04
 Water right permit no: Not Reported
 Parcel id: 45900000290005
 Township: 24
 Range: 2
 Meridian: E
 Section: 21
 Quarter quarter1: SE
 Quarter quarter2: NW
 Elevation: 285
 Well address: 2991 MARTIN ROAD
 Well city: Not Reported
 Well state: Not Reported
 Well zip: Not Reported
 Date entered: 5/19/1997 12:56:58
 Owner first: RICK
 Owner last: TRONDSON
 Owner address1: 2991 MARTIN ROAD
 Owner address2: Not Reported
 Owner city: PORT ORCHARD
 Owner state: WA
 Owner zip: 98366
 WI date: 2/28/1997 0:00:00
 Status: Not Reported

Water level: 147

Well Log Information:

Well log id: 11536
 Startcard: Not Reported
 Proposed use: Domestic
 Type of work: New Well
 Diameter of well: 6
 Well depth completed: 178
 Pumpman: Not Reported
 Pump modelno: Not Reported
 Pump intake: 0
 End construction: 02/28/1997
 Fieldchecked by kpud: 0
 chem anal: 0
 Art flow: 0
 Artpress: Not Reported
 Art elevation: Not Reported
 Bailer airtest yn: 0
 screens yn: 0
 Surface seal yn: 1
 Survey date: Not Reported

Well id: 14081
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: Cable
 Well depth drilled: 178
 Elevation: Not Reported
 Pumptype: Not Reported
 Pump horsepower: Not Reported
 Start construction: 02/14/1997
 Date entered: 05/19/1997
 Water temp: 0
 Artpress date: Not Reported
 Artflow date: Not Reported
 Artcontrol: Not Reported
 By whom: Not Reported
 perf yn: 0
 Gravel packyn: 0
 Well test yn: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Geologic Information:

Well id:	14081	Geolog id:	58630
Geolog from:	1	Geolog to:	51
Material:	BROWN SANDY CLAY		
Date entered:	05/19/1997		

Well id:	14081	Geolog id:	58631
Geolog from:	51	Geolog to:	96
Material:	BROWN SAND		
Date entered:	05/19/1997		

Well id:	14081	Geolog id:	58632
Geolog from:	96	Geolog to:	110
Material:	BROWN TILL		
Date entered:	05/19/1997		

Well id:	14081	Geolog id:	58633
Geolog from:	110	Geolog to:	132
Material:	BROWN ROCKY TILL		
Date entered:	05/19/1997		

Well id:	14081	Geolog id:	58634
Geolog from:	132	Geolog to:	140
Material:	BLUE CLAY ROCKS		
Date entered:	05/19/1997		

Well id:	14081	Geolog id:	58635
Geolog from:	140	Geolog to:	145
Material:	GREY TILL		
Date entered:	05/19/1997		

Well id:	14081	Geolog id:	58636
Geolog from:	145	Geolog to:	175
Material:	BROWN TILL		
Date entered:	05/19/1997		

Well id:	14081	Geolog id:	66122
Geolog from:	175	Geolog to:	180
Material:	BROWN GRAVELWATER BEARING		
Date entered:	08/28/1998		

Casing Information:

Well id:	14081	Casing id:	10972
Casing from:	0	Casing to:	178
Casing diameter:	6	Casing thickness:	Not Reported
Casing type:	Not Reported	Date entered:	05/19/1997

Seal Information:

Well id:	14081	Seal id:	4138
Seal top:	0	Seal bottom:	1.8E+001
Seal material:	Bentonite	Unusable water:	Not Reported
Water type:	Not Reported	Strata depth:	Not Reported
Seal method:	Not Reported	Date entered:	05/19/1997

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Waterlevel Information:

Wellid:	14081	Wlid:	1712317767
Wldate:	04/02/1997	Waterlevel:	147
Status:	ST	Method:	Not Reported
Accuracy:	Not Reported	Installflag:	0
Artpress:	Not Reported	Artdate:	Not Reported
Artcontrol:	Not Reported	Elevation:	Not Reported
Stickup:	Not Reported		
Remark:	PUMPING TEST DONE BY DRILLER		

Wellid:	14081	Wlid:	1737037692
Wldate:	04/02/1997	Waterlevel:	149
Status:	P	Method:	Not Reported
Accuracy:	Not Reported	Installflag:	0
Artpress:	Not Reported	Artdate:	Not Reported
Artcontrol:	Not Reported	Elevation:	Not Reported
Stickup:	Not Reported		
Remark:	PUMPING 15 GPM AT 2 FT DRAWDOWN AFTER ONE HOUR		

Well Test Yield Information:

Wellid:	14081	Date of test:	02/28/1997
Test type:	2	Time:	2
Yield:	10	Drawdown:	1
Date entered:	05/19/1997		

Water Quality Information:

Sample id:	2069	Well id:	14081
Sample id:	3/2/97	sample date:	03/02/1997
Treated YN:	0		
Comments:	COLLECTED BY OLSEN DRILLING. TWISS LAB#01013374		

**AN127
SSW
1/2 - 1 Mile
Higher**

WA WELLS WAK10000003307

Well id:	14326
Doe site id:	ACR303
Usgs site id:	Not Reported
Internal project no:	Not Reported
Local name:	Not Reported
Local number:	24N/02E-21F05
Water right permit no:	Not Reported
Parcel id:	45900000290005
Township:	24
Range:	2
Meridian:	E
Section:	21
Quarter quarter1:	SE
Quarter quarter2:	NW
Elevation:	280
Well address:	LOT 13 & 14 MARTIN AVE E
Well city:	PORT ORCHRD
Well state:	WA
Well zip:	98366

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Date entered: 11/19/1997 11:53:31
 Owner first: Not Reported
 Owner last: TRONDSOON CONST.INC.C/O RICK TRONDSOON
 Owner address1: 7985 VANDECAR ROAD SE
 Owner address2: Not Reported
 Owner city: PORT ORCHARD
 Owner state: WA
 Owner zip: 98367
 WI date: 8/11/1997 0:00:00 Water level: 146
 Status: Not Reported

Well Log Information:

Well log id:	12027	Well id:	14326
Startcard:	Not Reported	Waterright permitno:	Not Reported
Proposed use:	Domestic	Proposed type:	Not Reported
Type of work:	New Well	Drilling method:	Rotary
Diameter of well:	6	Well depth drilled:	177
Well depth completed:	177	Elevation:	Not Reported
Pumpman:	GOULDS	Pumptype:	SUB 10GS10
Pump modelno:	1 HP	Pump horsepower:	Not Reported
Pump intake:	0	Start construction:	07/24/1997
End construction:	07/28/1997	Date entered:	11/19/1997
Fieldchecked by kpud:	0	Water temp:	50
chem anal:	1	Artpress date:	Not Reported
Art flow:	0	Artflow date:	Not Reported
Artpress:	Not Reported	Artcontrol:	Not Reported
Art elevation:	Not Reported	By whom:	by Driller
Bailer airstest yn:	0	perf yn:	0
screens yn:	0	Gravel packyn:	0
Surface seal yn:	1	Well test yn:	1
Survey date:	Not Reported		

Geologic Information:

Well id:	14326	Geolog id:	62395
Geolog from:	0	Geolog to:	56
Material:	BROWN SANDY CLAY		
Date entered:	11/19/1997		
Well id:	14326	Geolog id:	62396
Geolog from:	56	Geolog to:	58
Material:	GRAY SILT		
Date entered:	11/19/1997		
Well id:	14326	Geolog id:	62397
Geolog from:	58	Geolog to:	93
Material:	FINE BROWN SILTY SAND		
Date entered:	11/19/1997		
Well id:	14326	Geolog id:	62398
Geolog from:	93	Geolog to:	122
Material:	LOOSE FINE GRAY SILTY SAND AND GRAVEL		
Date entered:	11/19/1997		
Well id:	14326	Geolog id:	62399
Geolog from:	122	Geolog to:	128
Material:	GRAY HARDPAN		
Date entered:	11/19/1997		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id:	14326	Geolog id:	62400
Geolog from:	128	Geolog to:	145
Material:	GRAY SILTY SAND AND GRAVEL		
Date entered:	11/19/1997		
Well id:	14326	Geolog id:	62401
Geolog from:	145	Geolog to:	152
Material:	GRAY SILTY GRAVEL		
Date entered:	11/19/1997		
Well id:	14326	Geolog id:	62402
Geolog from:	152	Geolog to:	177
Material:	GRAY GRAVEL, WATER		
Date entered:	11/19/1997		
Casing Information:			
Well id:	14326	Casing id:	11259
Casing from:	0	Casing to:	177
Casing diameter:	6	Casing thickness:	Not Reported
Casing type:	Welded	Date entered:	11/19/1997
Seal Information:			
Well id:	14326	Seal id:	4394
Seal top:	0	Seal bottom:	1.8E+001
Seal material:	Bentonite	Unusable water:	Not Reported
Water type:	Not Reported	Strata depth:	Not Reported
Seal method:	Not Reported	Date entered:	11/19/1997
Well test Recovery Information:			
Wellid:	14326	Date of test:	08/11/1997
Testtype:	1	Time:	3
Waterlevel:	146		
Well Test Yield Information:			
Wellid:	14326	Date of test:	08/11/1997
Test type:	1	Time:	2
Yield:	15	Drawdown:	16
Date entered:	11/19/1997		
Wellid:	14326	Date of test:	08/11/1997
Test type:	3	Time:	1
Yield:	30	Drawdown:	0
Date entered:	11/19/1997		
Water Quality Information:			
Sample id:	3270	Well id:	14326
Sample id:	8/11/97	sample date:	08/11/1997
Treated YN:	0		
Comments:	COLLECTED BY OLY'S PUMP SERVICE. TWISS LABS		

128
WSW
1/2 - 1 Mile
Higher

WA WELLS WAK10000003446

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id: 1392
 Doe site id: Not Reported
 Usgs site id: 473357122342501
 Internal project no: Not Reported
 Local name: Not Reported
 Local number: 24N/02E-17Q03
 Water right permit no: Not Reported
 Parcel id: Not Reported
 Township: 24
 Range: 2
 Meridian: E
 Section: 17
 Quarter quarter1: SW
 Quarter quarter2: SE
 Elevation: 300
 Well address: Not Reported
 Well city: Not Reported
 Well state: Not Reported
 Well zip: Not Reported
 Date entered: 2/1/1988 0:00:00
 Owner first: Not Reported
 Owner last: Not Reported
 Owner address1: Not Reported
 Owner address2: Not Reported
 Owner city: Not Reported
 Owner state: Not Reported
 Owner zip: Not Reported
 WI date: Not Reported
 Status: Not Reported

Water level: 6

Well Log Information:

Well log id: 1392
 Startcard: Not Reported
 Proposed use: Not Reported
 Type of work: Not Reported
 Diameter of well: Not Reported
 Well depth completed: 10
 Pumpman: Not Reported
 Pump modelno: Not Reported
 Pump intake: 0
 End construction: Not Reported
 Fieldchecked by kpud: 0
 chem anal: 0
 Art flow: 0
 Artpress: Not Reported
 Art elevation: Not Reported
 Bailer airtest yn: 0
 screens yn: 0
 Surface seal yn: 0
 Survey date: Not Reported

Well id: 1392
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: Not Reported
 Well depth drilled: Not Reported
 Elevation: Not Reported
 Pumptype: Not Reported
 Pump horsepower: Not Reported
 Start construction: Not Reported
 Date entered: 02/01/1988
 Water temp: 0
 Artpress date: Not Reported
 Artflow date: Not Reported
 Artcontrol: Not Reported
 By whom: Not Reported
 perf yn: 0
 Gravel packyn: 0
 Well test yn: 0

Casing Information:

Well id: 1392
 Casing from: Not Reported
 Casing diameter: 72
 Casing type: Not Reported

Casing id: 1191
 Casing to: Not Reported
 Casing thickness: 0
 Date entered: 02/01/1988

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

AJ129
NNE
1/2 - 1 Mile
Lower

WA WELLS WAK10000003659

Well id: 1490
 Doe site id: Not Reported
 Usgs site id: 473500122325203
 Internal project no: Not Reported
 Local name: Not Reported
 Local number: 24N/02E-09J01
 Water right permit no: Not Reported
 Parcel id: Not Reported
 Township: 24
 Range: 2
 Meridian: E
 Section: 9
 Quarter quarter1: NE
 Quarter quarter2: SE
 Elevation: 15
 Well address: Not Reported
 Well city: Not Reported
 Well state: Not Reported
 Well zip: Not Reported
 Date entered: 2/1/1988 0:00:00
 Owner first: Not Reported
 Owner last: Not Reported
 Owner address1: Not Reported
 Owner address2: Not Reported
 Owner city: Not Reported
 Owner state: Not Reported
 Owner zip: Not Reported
 WI date: 5/16/1967 0:00:00
 Status: Not Reported

Water level: 3.5

Well Log Information:

Well log id: 1490
 Startcard: Not Reported
 Proposed use: Not Reported
 Type of work: Not Reported
 Diameter of well: Not Reported
 Well depth completed: 29
 Pumpman: Not Reported
 Pump modelno: Not Reported
 Pump intake: 0
 End construction: 01/01/1950
 Fieldchecked by kpud: 0
 chem anal: 0
 Art flow: 0
 Artpress: Not Reported
 Art elevation: Not Reported
 Bailer airtest yn: 0
 screens yn: 0
 Surface seal yn: 0
 Survey date: Not Reported

Well id: 1490
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: DUG
 Well depth drilled: Not Reported
 Elevation: Not Reported
 Pumptype: Not Reported
 Pump horsepower: Not Reported
 Start construction: 01/01/1950
 Date entered: 02/01/1988
 Water temp: 0
 Artpress date: Not Reported
 Artflow date: Not Reported
 Artcontrol: Not Reported
 By whom: Not Reported
 perf yn: 0
 Gravel packyn: 0
 Well test yn: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Information:

Well id:	1490	Casing id:	1267
Casing from:	Not Reported	Casing to:	Not Reported
Casing diameter:	42	Casing thickness:	0
Casing type:	Not Reported	Date entered:	02/01/1988

**AL130
SSW
1/2 - 1 Mile
Higher**

FED USGS USGS3277140

Agency cd:	USGS	Site no:	473324122332601
Site name:	24N/02E-21F02	EDR Site id:	USGS3277140
Latitude:	473324	Dec lat:	47.55648552
Longitude:	1223326	Coor meth:	M
Dec lon:	-122.55846773	Latlong datum:	NAD27
Coor accr:	S	District:	53
Dec latlong datum:	NAD83	County:	035
State:	53	Land net:	SE NW S21 T24N R02E W
Country:	US	Map scale:	Not Reported
Location map:	Not Reported		
Altitude:	290		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19670101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	226	Hole depth:	Not Reported
Source of depth data:	reporting agency (generally USGS)		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1971-03-29
Water quality data end date:	1972-04-11	Water quality data count:	2
Ground water data begin date:	1967-04-01	Ground water data end date:	1967-04-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1967-04-01	176	

**AH131
WNW
1/2 - 1 Mile
Higher**

FED USGS USGS3277349

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	473432122341901
Site name:	24N/02E-17B03	EDR Site id:	USGS3277349
Latitude:	473432	Dec lat:	47.5753741
Longitude:	1223419	Coor meth:	M
Dec lon:	-122.57319139	Latlong datum:	NAD27
Coor accr:	S	District:	53
Dec latlong datum:	NAD83	County:	035
State:	53	Land net:	NW NE S17 T24N R02E W
Country:	US	Map scale:	Not Reported
Location map:	Not Reported		
Altitude:	55		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Hilltop		
Site type:	Ground-water other than Spring	Date construction:	19010101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	31	Hole depth:	Not Reported
Source of depth data:	reporting agency (generally USGS)		
Project number:	Not Reported		
Real time data flag:	0		
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Daily flow data count:	0		
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0		
Water quality data begin date:	0000-00-00	Water quality data count:	0
Water quality data end date:	0000-00-00	Ground water data begin date:	1901-01-01
Ground water data begin date:	1901-01-01	Ground water data end date:	1901-01-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1901-01-01	1	

AO132
South
1/2 - 1 Mile
Higher

WA WELLS WAK10000003295

Well id:	1337
Doe site id:	Not Reported
Usgs site id:	473322122330701
Internal project no:	Not Reported
Local name:	Not Reported
Local number:	24N/02E-21G01
Water right permit no:	Not Reported
Parcel id:	Not Reported
Township:	24
Range:	2
Meridian:	E
Section:	21
Quarter quarter1:	SW
Quarter quarter2:	NE

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Elevation: 290
 Well address: Not Reported
 Well city: Not Reported
 Well state: Not Reported
 Well zip: Not Reported
 Date entered: 2/1/1988 0:00:00
 Owner first: Not Reported
 Owner last: Not Reported
 Owner address1: Not Reported
 Owner address2: Not Reported
 Owner city: Not Reported
 Owner state: Not Reported
 Owner zip: Not Reported
 WI date: 4/1/1967 0:00:00
 Status: Not Reported

Water level: 20

Well Log Information:

Well log id: 1337
 Startcard: Not Reported
 Proposed use: Not Reported
 Type of work: Not Reported
 Diameter of well: Not Reported
 Well depth completed: 28
 Pumpman: Not Reported
 Pump modelno: Not Reported
 Pump intake: 0
 End construction: 01/01/1955
 Fieldchecked by kpud: 0
 chem anal: 0
 Art flow: 0
 Artpress: Not Reported
 Art elevation: Not Reported
 Bailer airtest yn: 0
 screens yn: 0
 Surface seal yn: 0
 Survey date: Not Reported

Well id: 1337
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: DUG
 Well depth drilled: Not Reported
 Elevation: Not Reported
 Pumptype: Not Reported
 Pump horsepower: Not Reported
 Start construction: 01/01/1955
 Date entered: 02/01/1988
 Water temp: 0
 Artpress date: Not Reported
 Artflow date: Not Reported
 Artcontrol: Not Reported
 By whom: Not Reported
 perf yn: 0
 Gravel packyn: 0
 Well test yn: 0

Casing Information:

Well id: 1337
 Casing from: Not Reported
 Casing diameter: 36
 Casing type: Not Reported

Casing id: 1142
 Casing to: Not Reported
 Casing thickness: 0
 Date entered: 02/01/1988

133
SSW
1/2 - 1 Mile
Higher

WA WELLS WAK10000003314

Well id: 1344
 Doe site id: Not Reported
 Usgs site id: 473328122335101
 Internal project no: Not Reported
 Local name: Not Reported
 Local number: 24N/02E-21E01
 Water right permit no: Not Reported
 Parcel id: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Township: 24
 Range: 2
 Meridian: E
 Section: 21
 Quarter quarter1: SW
 Quarter quarter2: NW
 Elevation: 140
 Well address: Not Reported
 Well city: Not Reported
 Well state: Not Reported
 Well zip: Not Reported
 Date entered: 2/1/1988 0:00:00
 Owner first: Not Reported
 Owner last: Not Reported
 Owner address1: Not Reported
 Owner address2: Not Reported
 Owner city: Not Reported
 Owner state: Not Reported
 Owner zip: Not Reported
 WI date: 5/1/1950 0:00:00
 Status: Not Reported

Water level: 4

Well Log Information:

Well log id: 1344
 Startcard: Not Reported
 Proposed use: Not Reported
 Type of work: Not Reported
 Diameter of well: Not Reported
 Well depth completed: 17
 Pumpman: Not Reported
 Pump modelno: Not Reported
 Pump intake: 0
 End construction: 01/01/1949
 Fieldchecked by kpud: 0
 chem anal: 0
 Art flow: 0
 Artpress: Not Reported
 Art elevation: Not Reported
 Bailer airtest yn: 0
 screens yn: 0
 Surface seal yn: 0
 Survey date: Not Reported

Well id: 1344
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: DUG
 Well depth drilled: Not Reported
 Elevation: Not Reported
 Pumptype: Not Reported
 Pump horsepower: Not Reported
 Start construction: 01/01/1949
 Date entered: 02/01/1988
 Water temp: 0
 Artpress date: Not Reported
 Artflow date: Not Reported
 Artcontrol: Not Reported
 By whom: Not Reported
 perf yn: 0
 Gravel packyn: 0
 Well test yn: 0

AN134
SSW
1/2 - 1 Mile
Higher

FED USGS USGS3277141

Agency cd: USGS
 Site name: 24N/02E-21F03
 Latitude: 473324
 Longitude: 1223330
 Dec lon: -122.5595789
 Coor accr: S
 Dec latlong datum: NAD83
 State: 53
 Country: US
 Location map: Not Reported

Site no: 473324122333003
 EDR Site id: USGS3277141
 Dec lat: 47.5564855
 Coor meth: M
 Latlong datum: NAD27
 District: 53
 County: 035
 Land net: SE NW S21 T24N R02E W
 Map scale: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude: 280
 Altitude method: Interpolated from topographic map
 Altitude accuracy: 10
 Altitude datum: National Geodetic Vertical Datum of 1929
 Hydrologic: Puget Sound. Washington. Area = 2550 sq.mi.
 Topographic: Not Reported
 Site type: Ground-water other than Spring Date construction: 19670101
 Date inventoried: Not Reported Mean greenwich time offset: PST
 Local standard time flag: Y
 Type of ground water site: Single well, other than collector or Ranney type
 Aquifer Type: Not Reported
 Aquifer: Not Reported
 Well depth: 81 Hole depth: Not Reported
 Source of depth data: reporting agency (generally USGS)
 Project number: Not Reported
 Real time data flag: 0 Daily flow data begin date: 0000-00-00
 Daily flow data end date: 0000-00-00 Daily flow data count: 0
 Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00
 Peak flow data count: 0 Water quality data begin date: 0000-00-00
 Water quality data end date: 0000-00-00 Water quality data count: 0
 Ground water data begin date: 1967-04-01 Ground water data end date: 1967-04-01
 Ground water data count: 1

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1967-04-01	73	

AJ135
NNE
1/2 - 1 Mile
Lower

WA WELLS WAK10000003665

Well id: 1492
 Doe site id: Not Reported
 Usgs site id: 473501122325302
 Internal project no: Not Reported
 Local name: Not Reported
 Local number: 24N/02E-09J02
 Water right permit no: Not Reported
 Parcel id: Not Reported
 Township: 24
 Range: 2
 Meridian: E
 Section: 9
 Quarter quarter1: NE
 Quarter quarter2: SE
 Elevation: 15
 Well address: Not Reported
 Well city: Not Reported
 Well state: Not Reported
 Well zip: Not Reported
 Date entered: 2/1/1988 0:00:00
 Owner first: Not Reported
 Owner last: Not Reported
 Owner address1: Not Reported
 Owner address2: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Owner city:	Not Reported	Water level:	3.5
Owner state:	Not Reported		
Owner zip:	Not Reported		
WI date:	5/16/1967 0:00:00		
Status:	Not Reported		

Well Log Information:

Well log id:	1492	Well id:	1492
Startcard:	Not Reported	Waterright permitno:	Not Reported
Proposed use:	Not Reported	Proposed type:	Not Reported
Type of work:	Not Reported	Drilling method:	DUG
Diameter of well:	Not Reported	Well depth drilled:	Not Reported
Well depth completed:	24	Elevation:	Not Reported
Pumpman:	Not Reported	Pumptype:	Not Reported
Pump modelno:	Not Reported	Pump horsepower:	Not Reported
Pump intake:	0	Start construction:	01/01/1941
End construction:	01/01/1941	Date entered:	02/01/1988
Fieldchecked by kpud:	0	Water temp:	0
chem anal:	0	Artpress date:	Not Reported
Art flow:	0	Artflow date:	Not Reported
Artpress:	Not Reported	Artcontrol:	Not Reported
Art elevation:	Not Reported	By whom:	Not Reported
Bailer airtest yn:	0	perf yn:	0
screens yn:	0	Gravel packyn:	0
Surface seal yn:	0	Well test yn:	0
Survey date:	Not Reported		

Casing Information:

Well id:	1492	Casing id:	1269
Casing from:	Not Reported	Casing to:	Not Reported
Casing diameter:	48	Casing thickness:	0
Casing type:	Not Reported	Date entered:	02/01/1988

AL136
South
1/2 - 1 Mile
Higher

WA WELLS WAK10000003294

AH137
WNW
1/2 - 1 Mile
Higher

FED USGS USGS3277356

Agency cd:	USGS	Site no:	473435122341801
Site name:	24N/02E-17B04	EDR Site id:	USGS3277356
Latitude:	473435	Dec lat:	47.57620744
Longitude:	1223418	Coor meth:	M
Dec lon:	-122.57291363	Latlong datum:	NAD27
Coor accr:	S	District:	53
Dec latlong datum:	NAD83	County:	035
State:	53	Land net:	NW NE S17 T24N R02E W
Country:	US	Map scale:	Not Reported
Location map:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude:	50		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19350101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	72	Hole depth:	Not Reported
Source of depth data:	driller		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**AO138
South
1/2 - 1 Mile
Higher**

FED USGS USGS3277135

Agency cd:	USGS	Site no:	473322122330701
Site name:	24N/02E-21G01		
Latitude:	473322	EDR Site id:	USGS3277135
Longitude:	1223307	Dec lat:	47.55593005
Dec lon:	-122.55318963	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	53
State:	53	County:	035
Country:	US	Land net:	SW NE S21 T24N R02E W
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	285		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19550101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	28	Hole depth:	Not Reported
Source of depth data:	reporting agency (generally USGS)		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0	Water quality data begin date: 0000-00-00
Water quality data end date: 0000-00-00	Water quality data count: 0
Ground water data begin date: 1967-04-01	Ground water data end date: 1967-04-01
Ground water data count: 1	

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1967-04-01	20	

AK139
WNW
1/2 - 1 Mile
Higher

FED USGS USGS3277359

Agency cd: USGS	Site no: 473437122341701
Site name: 24N/02E-17B01	
Latitude: 473437	EDR Site id: USGS3277359
Longitude: 1223417	Dec lat: 47.576763
Dec lon: -122.57263585	Coor meth: M
Coor accr: S	Latlong datum: NAD27
Dec latlong datum: NAD83	District: 53
State: 53	County: 035
Country: US	Land net: NW NE S17 T24N R02E W
Location map: Not Reported	Map scale: Not Reported
Altitude: 60	
Altitude method: Interpolated from topographic map	
Altitude accuracy: 10	
Altitude datum: National Geodetic Vertical Datum of 1929	
Hydrologic: Puget Sound. Washington. Area = 2550 sq.mi.	
Topographic: Hillside (slope)	
Site type: Ground-water other than Spring	Date construction: 19350101
Date inventoried: Not Reported	Mean greenwich time offset: PST
Local standard time flag: Y	
Type of ground water site: Single well, other than collector or Ranney type	
Aquifer Type: Not Reported	
Aquifer: Not Reported	
Well depth: 620	Hole depth: Not Reported
Source of depth data: driller	
Project number: Not Reported	
Real time data flag: Not Reported	Daily flow data begin date: Not Reported
Daily flow data end date: Not Reported	Daily flow data count: Not Reported
Peak flow data begin date: Not Reported	Peak flow data end date: Not Reported
Peak flow data count: Not Reported	Water quality data begin date: Not Reported
Water quality data end date: Not Reported	Water quality data count: Not Reported
Ground water data begin date: Not Reported	Ground water data end date: Not Reported
Ground water data count: Not Reported	

Ground-water levels, Number of Measurements: 0

AP140
West
1/2 - 1 Mile
Higher

WA WELLS WAK10000003537

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id:	14727		
Doe site id:	Not Reported		
Usgs site id:	473418122343002		
Internal project no:	Not Reported		
Local name:	Not Reported		
Local number:	24N/02E-17G04		
Water right permit no:	Not Reported		
Parcel id:	Not Reported		
Township:	24		
Range:	2		
Meridian:	E		
Section:	17		
Quarter quarter1:	SW		
Quarter quarter2:	NE		
Elevation:	Not Reported		
Well address:	Not Reported		
Well city:	Not Reported		
Well state:	Not Reported		
Well zip:	Not Reported		
Date entered:	8/27/1998 14:47:03		
Owner first:	Not Reported		
Owner last:	Not Reported		
Owner address1:	Not Reported		
Owner address2:	Not Reported		
Owner city:	Not Reported		
Owner state:	Not Reported		
Owner zip:	Not Reported		
WI date:	Not Reported	Water level:	Not Reported
Status:	Not Reported		

Waterlevel Information:			
Wellid:	14727	Wlid:	-1680460415
Wldate:	03/18/1992	Waterlevel:	6.21999979
Status:	Not Reported	Method:	Not Reported
Accuracy:	Not Reported	Installflag:	0
Artpress:	Not Reported	Artdate:	Not Reported
Artcontrol:	Not Reported	Elevation:	Not Reported
Stickup:	1.1499999999999999		
Remark:	PRIVATE WELL PROGRAM		

AP141
West
1/2 - 1 Mile
Higher

WA WELLS WAK10000003536

Well id:	1438
Doe site id:	Not Reported
Usgs site id:	473418122343001
Internal project no:	Not Reported
Local name:	FLAGG
Local number:	24N/02E-17G02
Water right permit no:	Not Reported
Parcel id:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Township: 24
 Range: 2
 Meridian: E
 Section: 17
 Quarter quarter1: SW
 Quarter quarter2: NE
 Elevation: 100
 Well address: Not Reported
 Well city: Not Reported
 Well state: Not Reported
 Well zip: Not Reported
 Date entered: 1/25/1994 0:00:00
 Owner first: Not Reported
 Owner last: Not Reported
 Owner address1: Not Reported
 Owner address2: Not Reported
 Owner city: Not Reported
 Owner state: Not Reported
 Owner zip: Not Reported
 WI date: Not Reported
 Status: Not Reported

Water level: 7.910000000000001

Well Log Information:

Well log id: 1438
 Startcard: Not Reported
 Proposed use: Not Reported
 Type of work: Not Reported
 Diameter of well: Not Reported
 Well depth completed: Not Reported
 Pumpman: Not Reported
 Pump modelno: Not Reported
 Pump intake: 0
 End construction: Not Reported
 Fieldchecked by kpud: 0
 chem anal: 0
 Art flow: 0
 Artpress: Not Reported
 Art elevation: Not Reported
 Bailer airtest yn: 0
 screens yn: 0
 Surface seal yn: 0
 Survey date: Not Reported

Well id: 1438
 Waterright permitno: Not Reported
 Proposed type: Not Reported
 Drilling method: Not Reported
 Well depth drilled: Not Reported
 Elevation: Not Reported
 Pumptype: Not Reported
 Pump horsepower: Not Reported
 Start construction: Not Reported
 Date entered: 01/25/1994
 Water temp: 0
 Artpress date: Not Reported
 Artflow date: Not Reported
 Artcontrol: Not Reported
 By whom: Not Reported
 perf yn: 0
 Gravel packyn: 0
 Well test yn: 0

Waterlevel Information:

Wellid: 1438
 Wldate: 03/18/1992
 Status: Not Reported
 Accuracy: Not Reported
 Artpress: Not Reported
 Artcontrol: Not Reported
 Stickup: 1.55
 Remark: PRIVATE WELL PROGRAM

Wlid: -1096156288
 Waterlevel: 9.46000004
 Method: Not Reported
 Installflag: 0
 Artdate: Not Reported
 Elevation: Not Reported

Water Quality Information:

Sample id: 1276
 Sample id: 3/18/92
 Treated YN: 0
 Comments: COLLECTED BY KPUD/BA. DEPARTMENT OF HEALTH LAB#630732

Well id: 1438
 sample date: 03/18/1992

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

AJ142
NNE
1/2 - 1 Mile
Higher

FED USGS USGS3277456

Agency cd:	USGS	Site no:	473503122325301
Site name:	24N/02E-09J01	EDR Site id:	USGS3277456
Latitude:	473503	Dec lat:	47.58398558
Longitude:	1223253	Coord meth:	M
Dec lon:	-122.54930127	Latlong datum:	NAD27
Coord acc:	S	District:	53
Dec latlong datum:	NAD83	County:	035
State:	53	Land net:	NE SE S09 T24N R02E W
Country:	US	Map scale:	Not Reported
Location map:	Not Reported		
Altitude:	15		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Alluvial or marine terrace		
Site type:	Ground-water other than Spring	Date construction:	19460101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	51	Hole depth:	Not Reported
Source of depth data:	reporting agency (generally USGS)		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1967-05-01	Ground water data end date:	1967-05-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

	Feet below	Feet to
Date	Surface	Sealevel

1967-05-01 3

143
WNW
1/2 - 1 Mile
Higher

FED USGS USGS3277345

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	473430122342201
Site name:	24N/02E-17B06	EDR Site id:	USGS3277345
Latitude:	473430	Dec lat:	47.57481854
Longitude:	1223422	Coor meth:	M
Dec lon:	-122.57402476	Latlong datum:	NAD27
Coor accr:	S	District:	53
Dec latlong datum:	NAD83	County:	035
State:	53	Land net:	NW NE S17 T24N R02E W
Country:	US	Map scale:	Not Reported
Location map:	Not Reported		
Altitude:	80		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Puget Sound. Washington. Area = 2550 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19480101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	140	Hole depth:	Not Reported
Source of depth data:	owner		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1948-01-01	Ground water data end date:	1948-01-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1948-01-01	110	

AM144
SW
1/2 - 1 Mile
Higher

WA WELLS WAK10000003379

Well id:	6216
Doe site id:	ABA739
Usgs site id:	Not Reported
Internal project no:	Not Reported
Local name:	Not Reported
Local number:	24N/02E-20A04
Water right permit no:	Not Reported
Parcel id:	Not Reported
Township:	24
Range:	2
Meridian:	E
Section:	20
Quarter quarter1:	NE
Quarter quarter2:	NE

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Elevation:	302		
Well address:	3129 WOODS RD E		
Well city:	PORT ORCHARD		
Well state:	WA		
Well zip:	983366		
Date entered:	8/4/1995 0:00:00		
Owner first:	CHARLES		
Owner last:	JESCH		
Owner address1:	5070 SW DAISY STREET		
Owner address2:	Not Reported		
Owner city:	PORT ORCHARD		
Owner state:	WA		
Owner zip:	983366		
WI date:	5/22/1995 0:00:00	Water level:	4.2999999999999998
Status:	Not Reported		

Well Log Information:

Well log id:	5316	Well id:	6216
Startcard:	W058151	Waterright permitno:	Not Reported
Proposed use:	Domestic	Proposed type:	Not Reported
Type of work:	New Well	Drilling method:	Cable
Diameter of well:	6	Well depth drilled:	51.9000015
Well depth completed:	51.899999999999999	Elevation:	Not Reported
Pumpman:	Not Reported	Pumptype:	Not Reported
Pump modelno:	Not Reported	Pump horsepower:	Not Reported
Pump intake:	0	Start construction:	05/17/1995
End construction:	05/22/1995	Date entered:	Not Reported
Fieldchecked by kpud:	0	Water temp:	0
chem anal:	0	Artpress date:	Not Reported
Art flow:	0	Artflow date:	Not Reported
Artpress:	Not Reported	Artcontrol:	Not Reported
Art elevation:	Not Reported	By whom:	Not Reported
Bailer airtest yn:	0	perf yn:	0
screens yn:	1	Gravel packyn:	0
Surface seal yn:	1	Well test yn:	0
Survey date:	Not Reported		

Geologic Information:

Well id:	6216	Geolog id:	26034
Geolog from:	0	Geolog to:	1
Material:	PIPE STICK-UP		
Date entered:	Not Reported		

Well id:	6216	Geolog id:	26035
Geolog from:	1	Geolog to:	4
Material:	BROWN TOP SOIL		
Date entered:	Not Reported		

Well id:	6216	Geolog id:	26036
Geolog from:	4	Geolog to:	51
Material:	BROWN FINE SAND WATER BEARING		
Date entered:	Not Reported		

Well id:	6216	Geolog id:	26037
Geolog from:	51	Geolog to:	52
Material:	GRAY SAND FINE WATER BEARING		
Date entered:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing Information:

Well id:	6216	Casing id:	5574
Casing from:	0	Casing to:	41.600000000000001
Casing diameter:	6	Casing thickness:	0
Casing type:	Welded	Date entered:	Not Reported

Screen Information:

Well id:	6216	Screen id:	3841
Screen from:	41.399999999999999	Screen to:	51.899999999999999
Screen man:	COOK	Screen type:	SS
Model num:	Not Reported	Screen diam:	6
Screen slotsize:	.01	Date entered:	Not Reported

Seal Information:

Well id:	6216	Seal id:	3966
Seal top:	0	Seal bottom:	1.8E+001
Seal material:	Bentonite	Unusable water:	Not Reported
Water type:	Not Reported	Strata depth:	Not Reported
Seal method:	Not Reported	Date entered:	02/20/1997

Well Test Yield Information:

Wellid:	6216	Date of test:	05/22/1995
Test type:	2	Time:	1
Yield:	12	Drawdown:	26.699999999999999
Date entered:	05/27/1996		

Water Quality Information:

Sample id:	1281	Well id:	6216
Sample id:	5/24/95	sample date:	05/24/1995
Treated YN:	0		
Comments:	COLLECTED BY NICHOLSON DRILLING. TWISS LAB#01002421		

**145
SW
1/2 - 1 Mile
Higher**

WA WELLS WAK10000003325

Well id:	-2019288180
Doe site id:	AKR026
Usgs site id:	Not Reported
Internal project no:	Not Reported
Local name:	BOB MILLER
Local number:	24N/02E-20H02
Water right permit no:	Not Reported
Parcel id:	20240210032007
Township:	24
Range:	2
Meridian:	E
Section:	20
Quarter quarter1:	SE
Quarter quarter2:	NE
Elevation:	265
Well address:	WOODS ROAD E
Well city:	PORT ORCHARD
Well state:	WA
Well zip:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Date entered:	4/8/2005 11:54:44	Water level:	159.80000000000001
Owner first:	BOB		
Owner last:	MILLER		
Owner address1:	Not Reported		
Owner address2:	Not Reported		
Owner city:	Not Reported		
Owner state:	Not Reported		
Owner zip:	Not Reported		
WI date:	1/14/2004 0:00:00		
Status:	Not Reported		

Well Log Information:

Well log id:	1872273309	Well id:	-2019288180
Startcard:	Not Reported	Waterright permitno:	Not Reported
Proposed use:	Domestic	Proposed type:	Not Reported
Type of work:	New Well	Drilling method:	Rotary
Diameter of well:	6	Well depth drilled:	237
Well depth completed:	237	Elevation:	Not Reported
Pumpman:	GOULDS	Pumptype:	SUBMERSIBLE
Pump modelno:	1.5	Pump horsepower:	Not Reported
Pump intake:	0	Start construction:	01/10/2004
End construction:	01/13/2004	Date entered:	04/08/2005
Fieldchecked by kpud:	0	Water temp:	0
chem anal:	1	Artpress date:	Not Reported
Art flow:	0	Artflow date:	Not Reported
Artpress:	Not Reported	Artcontrol:	Not Reported
Art elevation:	Not Reported	By whom:	GRESHAM
Bailer airstest yn:	0	perf yn:	0
screens yn:	1	Gravel packyn:	0
Surface seal yn:	1	Well test yn:	1
Survey date:	Not Reported		

Geologic Information:

Well id:	-2019288180	Geolog id:	-1953097146
Geolog from:	8	Geolog to:	37
Material:	BLUE CLAY		
Date entered:	04/08/2005		
Well id:	-2019288180	Geolog id:	-1462465259
Geolog from:	154	Geolog to:	166
Material:	GRAVEL, LOW H2O		
Date entered:	04/08/2005		
Well id:	-2019288180	Geolog id:	710077771
Geolog from:	166	Geolog to:	176
Material:	CEMENTED GRAVEL W/ CLAY		
Date entered:	04/08/2005		
Well id:	-2019288180	Geolog id:	1508041188
Geolog from:	68	Geolog to:	154
Material:	BLUE CLAY		
Date entered:	04/08/2005		
Well id:	-2019288180	Geolog id:	226826288
Geolog from:	176	Geolog to:	224
Material:	BLUE CLAY		
Date entered:	04/08/2005		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id:	-2019288180	Geolog id:	1641474937
Geolog from:	0	Geolog to:	8
Material:	BROWN SAND		
Date entered:	04/08/2005		

Well id:	-2019288180	Geolog id:	410878543
Geolog from:	37	Geolog to:	68
Material:	BROWN CLAY		
Date entered:	04/08/2005		

Well id:	-2019288180	Geolog id:	270557297
Geolog from:	224	Geolog to:	237
Material:	SAND, H2O		
Date entered:	04/08/2005		

Casing Information:			
Well id:	-2019288180	Casing id:	1400577178
Casing from:	1	Casing to:	227
Casing diameter:	6	Casing thickness:	Not Reported
Casing type:	Welded	Date entered:	04/08/2005

Screen Information:			
Well id:	-2019288180	Screen id:	-321494253
Screen from:	227	Screen to:	237
Screen man:	JOHNSON	Screen type:	STAINLESS STEEL
Model num:	Not Reported	Screen diam:	5
Screen slotsize:	.01	Date entered:	04/08/2005

Seal Information:			
Well id:	-2019288180	Seal id:	-462259112
Seal top:	0	Seal bottom:	1.8E+001
Seal material:	Bentonite	Unusable water:	NO
Water type:	Not Reported	Strata depth:	Not Reported
Seal method:	Not Reported	Date entered:	04/08/2005

Well Water Rights Information:			
Well id:	-2019288180	Description:	Exempt
Wnumber:	Not Reported	Priority date:	Not Reported
Dblwrqi:	Not Reported	Dblwrqa:	Not Reported
Dblwrqas:	Not Reported		

Well test Recovery Information:			
Wellid:	-2019288180	Date of test:	01/14/2004
Testtype:	1	Time:	4
Waterlevel:	0		

Well Test Yield Information:			
Wellid:	-2019288180	Date of test:	01/14/2004
Test type:	1	Time:	1
Yield:	16	Drawdown:	5.4000000000000004
Date entered:	04/08/2005		

Wellid:	-2019288180	Date of test:	01/14/2004
Test type:	2	Time:	1
Yield:	20	Drawdown:	12
Date entered:	03/29/2006		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Water Quality Information:

Sample id:	-1818854946	Well id:	-2019288180
Sample id:	1/21/04	sample date:	01/21/2004
Treated YN:	0		
Comments:	TWISS LAB #01001405		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for KITSAP County: 3

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

Federal Area Radon Information for Zip Code: 98366

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.400 pCi/L	100%	0%	0%
Living Area - 2nd Floor	0.400 pCi/L	100%	0%	0%
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

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

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2009 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

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

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

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

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

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

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

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

SSURGO: Soil Survey Geographic Database

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

Telephone: 800-672-5559

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

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

PHYSICAL SETTING SOURCE RECORDS SEARCHED

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

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

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

STATE RECORDS

Water Wells

Source: Department of Health

Telephone: 360-236-3148

Group A and B well locations.

Water Well Listing

Source: Public Utility District

Telephone: 206-779-7656

A listing of water well locations in Kitsap County.

OTHER STATE DATABASE INFORMATION

RADON

Area Radon Information

Source: USGS

Telephone: 703-356-4020

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

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

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

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

STREET AND ADDRESS INFORMATION

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**Environmental Assessment Summary and
Finding Of No Significant Impact for
National Oceanic and Atmospheric Administration
Northwest Fisheries Science Center
Manchester Research Station Salmon Recovery Building**

Environmental Assessment Summary

Purpose and Need

The National Oceanic and Atmospheric Administration (NOAA) has been providing safety net rearing of Chinook salmon listed as endangered under the United States Endangered Species Act (ESA) at the Northwest Fisheries Science Center (NWFSC) Manchester Research Station (MRS) since 1991. Captive broodstocks for these fish have been reared in facilities at MRS facilities since 1994.

NOAA is currently engaged in a cooperative program with various state and tribal entities to preserve and recover two ESA listed Puget Sound Chinook stocks, the South Fork Nooksack River spring Chinook and the Stillaguamish River fall Chinook. This action calls for the creation of captive broodstock programs for each stock. NOAA's participation in this program involves rearing of these captive broodstocks in seawater at the MRS. Rearing in seawater is a natural and critical phase of the Chinook salmon life cycle. The MRS will receive juvenile fish each year, raise the juveniles to adult size, and return them to Nooksack and Stillaguamish hatcheries for spawning. This type of program allows for amplification of depressed or declining stocks to provide immediate aid toward recovery. In 2008 the NWFSC began providing safety net rearing at MRS for one of the two constraining stocks of Puget Sound Chinook, with rearing of the second stock scheduled to begin in 2011. However, due to an expansion of the current endangered Redfish Lake sockeye captive broodstock program at MRS, NOAA has a lack of available space for the Puget Sound Chinook. Therefore a new facility has been proposed for construction to provide sufficient capacity to rear these stocks over a ten year period. Without the new facility, NOAA will be unable to satisfy current obligations under the ESA.

Proposed Action

The proposed action is to construct a new pole building at the NWFSC MRS, adjacent to existing facilities. The building will be 7,128 square feet (54' X 132') with a shallow spread footing foundation. It will house twelve circular saltwater fish rearing tanks, each 16.5 feet in diameter and 5 feet deep (1,070 cubic feet). Each year, approximately 1,000 juvenile fish would be brought into the facility and 500 mature fish would be shipped out to hatcheries.

This proposed action would provide sufficient broodstock capacity to meet NOAA ESA obligations for the South Fork Nooksack River spring Chinook and the Stillaguamish

River fall Chinook for the next 10 years.

Site Alternative Considered

The No Action Alternative would result in the NWFSC MRS continuing operation at its current levels of activity. If adapted, there would not be adequate space to support current NOAA obligations under the ESA for the two listed Puget Sound Chinook stocks, the South Fork Nooksack River spring Chinook and the Stillaguamish River fall Chinook.

Environmental Impacts and Mitigation Measures

NOAA prepared an EA analyzing the proposed action in conformance with procedural requirements of the National Environmental Policy Act of 1969 (NEPA). The document adheres to requirements of NOAA Administrative Order 216-6, Environmental Review Procedures for Implementing the National Environmental Policy Act (amended May 20, 1999).

Based on an evaluation of the proposed action's effect on the human environment, it was determined that no significant impacts would result. The EA analyzed the following issue areas:

- Land Use
- Coastal Zone Management
- Traffic and Circulation
- Visual Quality
- Noise
- Recreational Resources
- Topography
- Climate
- Air Quality
- Geology
- Hydrology
- Hydrogeology
- Floodplains
- Marine Environment
- Biotic Environment (including vegetation, wildlife and endangered species)
- Historical Resources
- Cultural Resources
- Wildlife Refuges
- Contaminated Sites
- Public Services
- Growth Inducing Impacts
- Cumulative Impacts

No significant unavoidable adverse impacts to any resource area were identified. The proposed action will not result in any significant impacts to the environment. The proposed building site is situated adjacent to the existing research facility and would use available capacity from existing infrastructure. Best management practices would be employed during construction for minimizing the impacts to the air, water, and noise environment, and for proper handling of hazardous materials. At the request of the Suquamish Tribe, a professional archaeologist would be on site to monitor all ground-disturbing activities during building construction. No additional mitigation measures have been identified for this project. There should be virtually no impact once the facility is operational.

The Draft EA was made available for public and agency comments from July 2, 2010 until August 2, 2010. No comments were received.

Finding of No Significant Impact

The Council on Environmental Quality (CEQ) Regulations state that the determination of significance using an analysis of effects requires examination of both context and intensity, and lists ten criteria for intensity (40 CFR 1508.27). In addition, NOAA Administrative Order (NAO) 216-6, Section 6.01(b) 1 – 11, provides eleven criteria, the same ten as the CEQ Regulations and one additional for determining whether the impacts of a proposed action are significant. Each criterion is discussed below with respect to the proposed action and considered individually as well as in combination with the others.

1. Can the proposed action reasonably be expected to cause both beneficial and adverse impacts that overall may result in a significant effect, even if the effect will be beneficial?

The proposed action is not expected to result in any significant impacts. A small positive impact on the socioeconomics of the community is anticipated. There would be minor, temporary, adverse impacts to traffic, noise, air quality, hydrology, vegetation, and wildlife, but only during construction. The overall effect is not considered to be significant, either beneficial or adverse.

2. Can the proposed action reasonably be expected to significantly affect public health or safety?

The proposed action is not expected to result in any significant affect to public health or safety. Best Management Practices should be employed during construction to minimize potential temporary impacts to traffic, air, water, and noise environment, and for proper handling of hazardous materials. There should be virtually no impact once the facility is operational.

3. Can the proposed action reasonably be expected to result in significant impacts to unique characteristics of the geographic area, such as proximity to historic or cultural resources, park lands, prime farmlands, wetlands, wild and scenic rivers, or ecologically critical areas?

The proposed action is not expected to result in significant impacts to unique characteristics of the geographic area. No historic or cultural resources, park lands, farmlands, wetlands, wild and scenic rivers or ecologically critical areas were identified within the boundary of the proposed action. There will be no perceptible change to the aesthetics of the MRS since the proposed building is similar in structure and purpose to those already existing at the facility and will be located adjacent to existing MRS buildings.

4. Are the proposed action's effects on the quality of the human environment likely to be highly controversial?

None of the proposed action's effects are likely to be highly controversial. The MRS is located in the Manchester Annex which houses other federal facilities and is isolated from the general population of Port Orchard, Washington. The proposed pole building will be an extension to the existing MRS and will be similar in aesthetics and purpose. There will be no significant negative impact to the quality of the human environment. No comments from the public were received during the public comment period for the Draft EA; therefore, no controversy is anticipated as a result of the proposed action.

5. Are the proposed action's effects on the human environment likely to be highly uncertain or involve unique or unknown risks?

The effects of the proposed action are not likely to involve unique or unknown risks. The proposed building will be constructed on a previously disturbed site and the building will be relatively small in scale (7,128 ft²). In addition, the building will be an extension of the existing MRS facility and will be used for similar purposes.

6. Can the proposed action reasonably be expected to establish a precedent for future actions with significant effects or represent a decision in principle about a future consideration?

The proposed action is not expected to set a precedent for future actions with significant effects or represent a decision in principle about a future consideration. The action is being proposed to expand fish rearing capacity at the NWFSC MRS to support NOAA obligations under the Endangered Species Act.

7. Is the proposed action related to other actions that when considered together will have individually insignificant but cumulatively significant impacts?

The proposed action is not expected to have significant impacts or to cause cumulatively significant impacts when considered together with other related projects. Upon completion of the proposed action, a positive impact will be progress toward the recovery of two ESA listed Puget Sound Chinook Salmon stocks.

8. Can the proposed action reasonably be expected to adversely affect districts, sites, highways, structures, or objects listed in or eligible for listing in the National Register of Historic Places or may cause loss or destruction of significant scientific, cultural, or historical resources?

The proposed action is not anticipated to adversely affect districts, sites, highways, structures, or objects listed in or eligible for listing in the National Register of Historic Places or cause loss or destruction of significant scientific, cultural, or historical resources. The proposed building site is on pre-disturbed land. The Washington Department of Archaeology and Historic Preservation and three Kitsap County Tribes were consulted regarding the proposed action. In addition, as a precautionary measure, a professional archaeologist will be present to monitor all ground-disturbing construction excavation activities.

9. Can the proposed action reasonably be expected to have a significant impact on endangered or threatened species or their critical habitat as defined under the Endangered Species Act of 1973?

Coordination with the U.S. Fish and Wildlife Service has indicated that no significant resources will be impacted by the proposed action.

10. Can the proposed action reasonably be expected to threaten a violation of Federal, state, or local law or requirements imposed for environmental protection?

The proposed action is not expected to threaten a violation of Federal, state, or local law or requirements imposed for environmental protection. The Washington State Department of Ecology was consulted regarding the proposed action and has agreed that the action is consistent with the Coastal Zone Management Program.

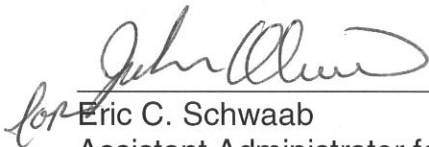
11. Can the proposed action reasonably be expected to result in the introduction or spread of a non-indigenous species?

The proposed action is not expected to result in the introduction or spread of any non-indigenous species. Sufficient precautionary measures will be

taken to ensure that no introduction or spread of non-indigenous species occurs. The project will comply with all local, state, and federal regulations minimizing the risk of introducing a non-indigenous species.

Determination

In view of the information presented in this document and the analysis contained in the supporting Environmental Assessment prepared for the Northwest Fisheries Science Center (NWFSC) Manchester Research Station (MRS) Salmon Recovery Building, it is hereby determined that the proposed action (construction of a pole building at NWFSC MRS) will not significantly impact the quality of the human environment as described above and in the supporting Environmental Assessment. In addition, all beneficial and adverse impacts of the proposed action have been addressed to reach the conclusion of no significant impacts. Accordingly, preparation of an environmental impact statement for this action is not necessary.



for Eric C. Schwaab
Assistant Administrator for Fisheries
NOAA National Marine Fisheries Service

8-16-10

Date