

FINAL FOCUSED SITE ASSESSMENT WORK PLAN

FORMER GEDDES MARINA PROPERTY
MARYSVILLE, WASHINGTON



Prepared for
CITY OF MARYSVILLE
MARYSVILLE, WASHINGTON
December 16, 2014
Project No. 0689.01.03

Prepared by
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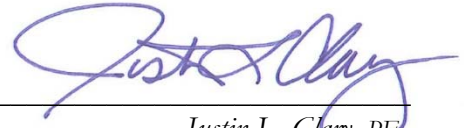
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*The material and data in this work plan were prepared
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ACRONYMS AND ABBREVIATIONS

AESI	Associated Earth Sciences, Inc.
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and total xylenes
the City	City of Marysville, Washington
COI	chemical of interest
cPAH	carcinogenic polycyclic aromatic hydrocarbon
CSL	Cleanup Screening Level
CSM	conceptual site model
CUL	cleanup level
Ecology	Washington State Department of Ecology
ESA	environmental site assessment
IDW	investigation-derived waste
MFA	Maul Foster & Alongi, Inc.
MTCA	Model Toxics Control Act
NWTPH	Northwest Total Petroleum Hydrocarbons
PAH	polycyclic aromatic hydrocarbon
the Property	Geddes Marina property
RCRA	Resource Conservation and Recovery Act
The Riley Group	The Riley Group, Inc.
SAP	sampling and analysis plan
SCO	Sediment Cleanup Objectives
Shannon & Wilson	Shannon & Wilson, Inc.
SIM	selective ion monitoring
SMS	Sediment Management Standards
TPH	total petroleum hydrocarbons
USEPA	U.S. Environmental Protection Agency
UST	underground storage tank
VOC	volatile organic compound
WAC	Washington Administrative Code

1 INTRODUCTION

Maul Foster & Alongi, Inc. (MFA) has prepared this focused site assessment work plan for the City of Marysville, Washington (the City) to further characterize the nature and extent of environmental impacts at the former Geddes Marina property (the Property) at 1326 First Street in Marysville, Washington (Figure 1). Historically, the Property was used for timber industry and marine-related operations, including a marina and boat launch. The Property contains a marine supply store, marine maintenance facilities, and several upland and in-water boat shelters. Potential impacts from a lumber mill and auto repair shops that historically operated adjacent to the east and north, respectively, pose potential environmental concerns to the Property. Subsurface investigations conducted at the Property by The Riley Group, Inc. (The Riley Group) in 2000 and Associated Earth Sciences, Inc. (AESI) in 2010 reported the presence of petroleum hydrocarbons, fuel-associated volatile organic compounds (VOCs), carcinogenic polycyclic aromatic hydrocarbons (cPAHs), and metals-impacted soil and groundwater at concentrations above the Washington State Department of Ecology (Ecology) Model Toxics Control Act (MTCA) Method A cleanup levels (CULs). Elevated concentrations of these chemicals of interest (COIs) have been documented primarily at the north-central and southeastern areas of the Property. Heavy metals and petroleum hydrocarbons impacting sediments in the Ebey Slough arm of the Snohomish River have also been reported. Ebey Slough is tidally influenced at this location, and the sediments are classified as marine sediments.

1.1 Regulatory Framework

The City received an Integrated Planning Grant from Ecology and a Brownfield Cleanup Grant from the U.S. Environmental Protection Agency (USEPA) to support site assessment and remediation, and to develop a community-based plan to transform the Property into a revitalized asset for the community. This work plan has been developed to allow for further assessment of the nature and extent of contamination at the Property. The focused site assessment will be conducted in general accordance with guidance put forth in MTCA (Washington Administrative Code [WAC] 173-340) and Sediment Management Standards (SMS) stipulated in WAC 173-204.

1.2 Purpose and Objectives

The purpose of this focused site assessment is to generate data to further characterize the nature and extent of contaminants in soil, groundwater, and marine sediment at the Property to allow for risk screening and to support an evaluation of potential cleanup actions. The activities outlined in this work plan are also intended to support the following project objectives:

- Development of a conceptual site model (CSM) and data quality objectives for site characterization
- Further characterization of the nature and extent of hazardous substances in environmental media above MTCA CULs and potential sources of contamination

- Evaluation of potential risk to current and reasonably likely future human receptors on the Property
- Evaluation of potential cleanup options for impacted media at the Property

1.3 Work Plan Organization

This document is organized as follows:

- **Section 2** discusses background information and the physical setting of the Property.
- **Section 3** describes the preliminary CSM.
- **Section 4** discusses the site assessment scope of work.
- **Section 5** describes the project management plan.

The following appendices are attached:

- Appendix A—a sampling and analysis plan (SAP). The SAP consists of a field sampling plan and a quality assurance project plan.
- Appendix B—reports of underground storage tank assessments by The Riley Group in April 2000 and Shannon & Wilson, Inc. (Shannon & Wilson) in July 2000, and subsurface investigation by AESI in 2010.

Standard field operating procedures for collecting soil, reconnaissance groundwater, and sediment samples; scheduling analyses; cleaning equipment; and managing investigation-derived waste (IDW) are described in the SAP (Appendix A). If procedures differ from the plan, the deviations will be documented in the site characterization report. The SAP addresses practices related to the handling and disposal of IDW. The quality assurance project plan defines the laboratory and field analytical quality procedures and the quality assurance and quality control requirements for sampling and analysis.

2 BACKGROUND AND PHYSICAL SETTING

The background and physical setting information summarized below for the Property have been obtained from site visits, interviews with the City, and a review of historical sampling and reports completed for the Property.

2.1 Site Description

The Property is located in section 33 of township 30 north and range 5 east of the Willamette Meridian (Figure 1). The approximately 5-acre Property is generally flat and contains a roughly rectangular lagoon with inlets that are connected to the municipal stormwater system to the north

and the Snohomish River by Ebey Slough to the south. The Property is a few feet above sea level. Access to the Property is from First Street, adjacent to the north of the Property.

The physical address for the Property is 1326 First Street in Marysville, Washington. The Property is bordered by First Street and the Town Center retail mall to the north, Ebey Slough to the south, Ebey Waterfront Park and Boat Launch Facility to the east, and a Burlington Northern and Santa Fe railroad embankment and former lumber mill operation (the Welco Lumber Company site) to the west. The Property is zoned Downtown Commercial with a Waterfront Overlay.

The Property currently contains several warehouses, upland and in-water boat shelters, marine repair facilities, and a marine supply store along the northeast and east boundaries of the lagoon (Figure 2). A boat launch and several in-water boat shelters are located along the southern edge of the Property in Ebey Slough. Minor vegetation is present around the lagoon and Ebey Slough, with partially paved surfaces and gravel dominating the ground surface along the boundaries of the Property.

2.2 Site History

The Property has been the location of timber industry- and marine-related operations since the 1800s. In the early 1990s, the Property was converted for use as a marina and boat launch; property uses included boat repair services. In 2010, the City purchased the Property in settlement of a lawsuit filed by the previous owner associated with discharge of the City's stormwater management system to the lagoon, and to help revitalize the waterfront near downtown Marysville. The City has since demolished 18 boat shelters on the Property. Former mill operations were located adjacent to the west and east of the Property (see AESP's 2010 Phase I environmental site assessment [ESA] in Appendix B).

The Riley Group conducted an underground storage tank (UST) assessment of an abandoned 500-gallon UST at the Property in April 2000. The UST was located adjacent northwest of CJ's Marine Supply Store, a boat parts retail store located in the northeastern area of the Property. The Riley Group verified that the UST was closed-in-place and filled with slurry. A former gasoline pump island foundation and associated product line were also identified by The Riley Group. Laboratory analytical results of soil samples collected by hand auger to depths ranging from 5 to 6 feet below ground surface (bgs) identified the petroleum fuel impact as gasoline-range hydrocarbons. Elevated concentrations of gasoline-range total petroleum hydrocarbons (TPH) and associated VOCs (i.e., benzene, toluene, ethylbenzene, and xylenes [BTEX]), at levels above Ecology MTCA Method A CULs, were reported in soil and groundwater samples. The Riley Group reported that moderate to heavy petroleum sheens were observed in soil samples and concluded that the "UST has released petroleum hydrocarbons to the subsurface" (see Appendix B).

Shannon & Wilson conducted supplemental soil sampling at this UST in July 2000. Soil samples were collected from the sidewalls and bottom of an open UST excavation pit. A sample was also collected from groundwater that had seeped into the excavation pit. Laboratory analytical results indicated detections of gasoline-range TPH and benzene in soil samples; however, these concentrations were below the MTCA Method A CULs at that time (note: MTCA Method A CULs were updated in 2001). Shannon & Wilson reported that the groundwater sample was not submitted

for laboratory analysis, based on direction from the Ecology UST site inspector. Shannon & Wilson concluded that “evidence of a release is not present at the site” (see Appendix B).

AESI conducted Phase I and Phase II ESAs in June 2010 (Appendix B). The Phase II ESA was conducted to assess the Property sediment, soil, and groundwater conditions based on environmental concerns identified in their Phase I ESA. Fourteen soil samples were collected by hand auger (0.5 to 1 foot bgs), and seven soil samples were collected by a direct-push probe drilling rig (up to 5 feet bgs). Figure 3 presents locations of previous investigations. Samples were analyzed for TPH and BTEX, polycyclic aromatic hydrocarbons (PAHs), and metals (arsenic, barium, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver, and zinc). Elevated concentrations of carcinogenic PAHs (cPAHs) and metals (arsenic, lead, and cadmium) were identified in shallow soil samples collected primarily at 0.5 to 1 foot bgs. Similarly, arsenic, lead, cadmium and chromium, and diesel-range TPH were also identified at elevated concentrations in groundwater. Soil and groundwater samples were not collected adjacent to or near the former, abandoned UST. Sediment samples were collected from eight locations (18 to 30 inches below mudline) in the lagoon. In sediment samples, mercury and zinc exceeded the Marine Sediment Cleanup Objectives (SCO) but were below the Marine Sediment Cleanup Screening Levels (CSLs) (sediment samples were analyzed for arsenic, cadmium, chromium, copper, lead, mercury, nickel, and zinc). Diesel- and heavy-oil-range TPH were detected at elevated concentrations; while no marine SMS criteria are available for TPH, some concentrations were above the freshwater SCO and CSLs (173-204 WAC) (AESI, 2010 Phase II ESA—see Appendix B).

The nature and extent of soil, groundwater, and sediment contamination at the Property have not been fully characterized. Additional characterization of the Property in all media is necessary to assess the nature and extent of impacts and to provide additional data for remedial cleanup options.

2.3 Geology and Hydrogeology

The Property is located in the Snohomish River valley, which was formerly an arm of Puget Sound and was gradually filled over the past 10,000 years as a delta front moved down the valley to its present location (Century West, 2000). In this valley is the Marysville Trough, which is an expansive, nearly flat, alluvial plain. According to the Geologic Map of the Marysville quadrangle, the Property and vicinity are underlain by Quaternary younger alluvial and estuarine deposits. These deposits consist of “stream-laid stratified sediment containing sand, silt, and clay with considerable amounts of organic matter” (Minard, 1985). Development in the valley required that fill materials be imported to raise grades above flood and tide level.

AESI reported the presence of fill comprising silt, sand, gravel, and crushed shells with organic peat materials and wood debris to approximately 12 feet bgs. These deposits were underlain by silty clay and peat deposits logged as estuarine/alluvial deposits to the maximum depth explored, 16 feet bgs. Groundwater was encountered between 4 and 5 feet bgs (AESI’s 2010 Phase II ESA in Appendix B).

Shallow groundwater underlying the Property is an unconfined aquifer within the fill and valley alluvium. Groundwater elevations are tidally influenced by Ebey Slough, a tidal distributary of the Snohomish River that bounds the Property to the south. Groundwater elevations also fluctuate in

response to regional aquifer conditions. In this area, the shallow groundwater impacts surface water conditions. The groundwater table rises to the ground surface during rainy seasons and restricts rainwater from infiltrating and may result in local flooding (Otak, Inc., 2009).

Groundwater flow directions at the Property have not been well defined to date. However, it is likely that groundwater flow is generally south and southwesterly, subparallel to the net flow in the slough (Parametrix, 2002).

3 PRELIMINARY CONCEPTUAL SITE MODEL

A CSM describes potential chemical sources, release mechanisms, environmental transport processes, exposure routes, and receptors. The primary purpose of the CSM is to describe pathways by which human and ecological receptors could be exposed to site-related chemicals. A complete exposure pathway consists of four necessary elements: (1) a source and mechanism of chemical release to the environment, (2) an environmental transport medium for a released chemical, (3) a point of potential contact with the impacted medium (referred to as the exposure point), and (4) an exposure route (e.g., soil ingestion) at the exposure point. The potential release mechanisms and pathways are described below.

3.1 Potential Sources and Release Mechanisms

Based on documented historical uses described by AESI and data obtained from prior subsurface investigations, it appears that the following historical operations/uses at the Property and/or at adjoining properties may have contributed to contamination at the Property:

- Former leaking fuel UST on the Property
- Former mill operations on and adjacent to the Property
- Former foundry machine and ironworks shop on the Property
- Municipal stormwater system discharge into the lagoon on the Property
- Former and current auto and marine repair shops adjacent northeast of the Property

These potential sources and release mechanisms are most likely to have resulted in contaminant releases to the surface, surface water, subsurface soil, and groundwater.

3.2 Fate and Transport Processes

Contaminant releases to the surface or subsurface have the potential to migrate vertically downward to the water table, resulting in impacts to subsurface soil and dissolved-phase impacts to shallow groundwater beneath the Property. Volatile contaminants in surface and subsurface soil may also partition to the vapor phase; this could result in impacts to indoor or outdoor air quality.

Dissolved-phase contamination also has the potential to migrate via groundwater flow, potentially resulting in downgradient groundwater, vapor, or surface water and sediment impacts via discharge to Ebey Slough. Fish intake of contaminated surface water or sediment could result in the bioaccumulation of contaminants in the fatty tissue of fish.

3.3 Potential Exposure Scenarios

Depending on the extent of impacts at the Property, the following are potentially current or future exposure pathways:

- Incidental ingestion of and dermal contact with chemicals in surface and/or subsurface soil, sediment and groundwater
- Consumption of aquatic organisms that have bioaccumulated chemicals in their tissue
- Inhalation of fugitive dusts generated from surface and/or subsurface soil
- Inhalation of outdoor air vapors that have emanated from soil or groundwater
- Inhalation of indoor air vapors from groundwater and/or subsurface soil due to vapor intrusion inside the buildings
- Ingestion, dermal contact, and inhalation of chemicals in groundwater used as drinking water

These potential exposure pathways will be evaluated further upon completion of the site characterization.

3.4 Potential Receptors

The following current and future human and ecological receptors may potentially be exposed to chemicals originating from the Property:

- Occupational workers on Property
- Construction and trench workers
- On-site and off-site residents
- On-site and off-site aquatic biota
- On-site and off-site receptors (fishers)

4 SCOPE OF WORK

This section describes the objectives and scope of work for the site assessment. The field investigations will be conducted in general accordance with the methods and protocol described in the SAP (Appendix A).

4.1 Site Assessment Objectives

Site assessment objectives as they relate to hazardous substances potentially present at the Property include the following:

- Identification and characterization of hazardous-substance source areas at the Property. Source areas will be characterized through a review of historical information and the results of previously conducted investigations, and the collection of environmental samples for observation, field screening, and chemical analyses.
- Evaluation of contaminant migration pathways at the Property. Key elements relevant to contaminant migration include leaching, groundwater migration, and groundwater discharge including preferential migration pathways, overland flow, stormwater discharge, and volatilization of TPH and VOCs.
- Further determination of the nature, extent, and distribution of hazardous substances in environmental media at the Property.
- Identification of current and reasonably likely future human and ecological receptors that may be exposed to hazardous substances at the Property. Relevant contaminant migration pathways and the nature, extent, and distribution of hazardous substances in affected media will be considered in this evaluation.
- Through the performance of a risk screening, evaluation of the risk to human health and the environment from releases of hazardous substances at the Property. Environmental data will be compared against appropriate MTCA/SMS criteria during preparation of the focused site assessment/analysis of brownfields cleanup alternatives report.
- Generation or use of data of sufficient quality for site characterization and risk screening at the Property.
- Development of the information necessary to evaluate and design source control measures to address contaminant releases from the Property, if deemed necessary.

The proposed site assessment scope of work is intended to meet these objectives as they relate to the COIs identified in the next section.

4.2 Environmental Conditions

Elevated concentrations of gasoline-range TPH and BTEX, at concentrations above Ecology MTCA Method A CULs, were reported in soil and groundwater samples collected adjacent to the former UST at the northeast area of the Property (The Riley Group; see Appendix B). AESI identified elevated concentrations of cPAHs and metals (arsenic, lead, and cadmium) in shallow soil samples collected primarily at 0.5 to 1 foot bgs. Heavy metals (arsenic, lead, cadmium, and chromium) and diesel-range TPH were also identified at elevated concentrations in groundwater. In sediment samples, mercury and zinc exceeded the marine sediment cleanup objective (SCO) but were below the marine sediment CSLs. Diesel- and heavy-oil-range TPH were detected at elevated

concentrations; while no marine SMS criteria are available for TPH, some concentrations were above the freshwater SCO and CSLs (173-204 WAC) (AESI, 2010 Phase II ESA—see Appendix B).

Additional historical features at the Property that are potential source areas have not been investigated. Proposed investigation locations are near potential historical sources of impacts (Figure 4). The potential historical sources of impacts on the Property include:

- Area adjacent to and inferred downgradient generally to the south (southeast and southwest) of the former UST at the northeast area of the Property.
- Areas throughout the Property associated with the boat parts and outboard repair shop (northeast area of the Property), boat shop (east side of Property), and prop shop (southeast area of the Property).
- Areas near the eastern and western perimeters of the Property, to assess potential impacts from adjoining properties with historical and/or current operations, including former mill and auto repair facilities, which may pose environmental concerns to the Property.
- The northern reaches of the lagoon at the Property, adjacent and downgradient of the former UST, stormwater outfall, and near historical sample S-3, where the highest concentrations of TPH and zinc were detected.
- Offshore of the current outboard repair shop.
- Near shore in areas not previously sampled because of the presence of historical structures (e.g., houseboats and docks).
- In marine ways and nearshore sediment of Ebey Slough.

Subsurface investigations at these areas will involve evaluation of soil to approximately 15 feet bgs and collection of shallow groundwater.

4.2.1 Utility Locate

Prior to the subsurface investigation, a public utility locate will be requested and a private utility locate contractor will be retained to locate on-site utilities, including identifying the presence and orientation of electrical, water, and/or side sewer lines at the Property. Sampling locations may be adjusted based on information obtained from the utility locates.

4.2.2 Soil

The subsurface investigation will be conducted to assess the lateral and vertical extent of potential impacts related to TPH, PAHs, VOCs, and metals throughout the upland portion of the Property, including the former leaking UST location. The investigation will be in general accordance with the methodology outlined in the SAP. Soil cores will be advanced from ground surface to the boring completion depth. If there is field evidence of impacts, the sample depths may be altered.

Soil samples will be screened using a photoionization detector or an organic vapor monitor. Visual and olfactory observations will also be recorded. Selected soil samples from borings GM-1 through GM-10 will be collected to further evaluate the extent of historical and/or current source impacts to the subsurface. Soil samples will be analyzed for a varying set of the following COIs dependent upon location (refer to the attached table for analyses specific to each boring):

- Diesel-range TPH and residual-range TPH by Northwest Total Petroleum Hydrocarbons (NWTPH)-Dx Extended Method
- Gasoline-range TPH by NWTPH-Gx Method
- VOCs associated with petroleum fuel, specifically BTEX, by USEPA Method 8021B
- VOCs associated with shop repair services by USEPA Method 8260C
- PAHs by USEPA Method 8270 selective ion monitoring (SIM)
- Metals specific to gasoline, boat yard operations, and site-specific former uses (antimony, arsenic, cadmium, copper, lead, mercury, tin, and zinc by USEPA Method 6020 series

Soil analytical results will be compared to MTCA Method A CULs for unrestricted land use. Selected borings will be completed as established 2-inch-diameter monitoring wells.

4.2.3 Groundwater

MFA will collect reconnaissance groundwater samples from all borings, GM-1 through GM-10, to evaluate the potential presence of COIs. Groundwater sampling will be conducted using the methods and protocol outlined in the SAP (Appendix A). Groundwater samples will be analyzed for a varying set of the following COIs dependent upon location (refer to the attached table for analyses specific to each boring):

- Diesel- and residual-range TPH by NWTPH-Dx Extended Method
- Gasoline-range TPH by NWTPH-Gx Method
- VOCs associated with petroleum fuel, specifically BTEX, by USEPA Method 8021B
- VOCs associated with shop repair services by USEPA Method 8260C
- PAHs by USEPA Method 8270 SIM
- Metals specific to gasoline, boat yard operations, and site-specific former uses (antimony, arsenic, cadmium, copper, lead, mercury, tin, and zinc by USEPA Method 6020 series

To evaluate the potential for biodegradation processes at the Property, selected groundwater samples from GM-1 and GM-7 (see attached table and Figure 4) will also be analyzed for the following geochemical parameters to prescreen for the presence of electron acceptors:

- Nitrate by USEPA 353.2

- Manganese by USEPA 6020A
- Ferrous iron by USEPA ApplEnvMic7-87-1536
- Sulfate by ASTM D516-02
- Methane by RSK 175

Groundwater analytical results will be compared to MTCA Method A groundwater CULs. In the event that chemicals detected are not included in the Method A list, or the Property is determined to be complex (e.g., multiple chemicals of potential concern), then MTCA Method B groundwater CULs may be used.

4.2.4 Sediment

A total of five locations will be sampled. At each location's surface (i.e., top 10 cm) and subsurface (to 5 feet below the mudline or refusal) samples will be collected. Samples will be analyzed in a tiered fashion. Four surface sediment samples collected from the surface are designated Tier 1 samples (see Figure 4) and will be submitted to the laboratory for analysis. The Tier 1 sediment samples collected near the stormwater discharge to the lagoon and in the area with the highest historical concentrations (i.e., S-3) will be analyzed for marine SMS COIs defined in WAC 173-204 and total organic carbon, diesel- and heavy oil-range organics, and dioxins, in the top 10 cm of sediment as summarized in the Table. The remaining samples (i.e., Tier 2 surface sample S-13 and subsurface samples) will be archived at the analytical laboratory for potential future analysis. If S-13 is triggered for analysis, organotins will be analyzed in addition to the parameters evaluated for Tier 1 samples, to characterize potential impacts associated with the nearby historical boat-repair areas.

Surface sediment samples will be collected from the top 10 centimeters, using a Ponar grab sampler. Where sediment is exposed (i.e., not under water), samples will be collected from the surface, using a stainless steel spoon. Deeper samples will be collected from 10 cm to 2.5 feet and from 2.5 feet to feet below mudline using a manually operated coring device and then archived for future potential analysis. Analysis of deeper samples will be triggered upon receipt of surface sample results.

4.3 Risk Screening

MFA will assess the potential risk posed by the COIs to human health and to ecological receptors. The risk screening will be completed in accordance with MTCA and SMS requirements for the potentially complete pathways identified in the preliminary CSM.

5 PROJECT MANAGEMENT PLAN

The following describes the roles of key personnel on the project.

Mr. Shawn Smith will be the project director for the City. Mr. Smith will be kept informed of the status of the project and of project activities. Mr. Smith will be provided with data, reports, and

other project-related documents prepared by MFA before their submittal to Ecology and the USEPA. He will be responsible for communicating with City staff, will participate in discussions with Ecology and USEPA, and will coordinate on-site activities with MFA.

Mr. Justin Clary will be the project manager for MFA. Mr. Clary will coordinate with project task leaders and will communicate with Mr. Smith. He will be responsible for allocating the resources necessary to ensure that the objectives of the site assessment are met. Mr. Clary will also serve as principal engineer and will be responsible for managing the overall completion of the site assessment and for communication of project status to the project director and the Ecology project manager. Mr. Clary will review data, reports, and other project-related documents prepared by MFA before their submittal to the City or to Ecology. Mr. Clary will also assist project staff with technical issues.

Ms. Yen-Vy Van will be responsible for technical assistance to assigned staff; assist with resolution of technical or logistical challenges that may be encountered during the investigation; assist with field activities and write and review reports; and participate in discussions with Ecology and the USEPA at the request of the City. She will also coordinate with project task leaders and be responsible for allocating the resources necessary to ensure that the objectives of the site assessment are met.

Ms. Madi Novak will be responsible for technical assistance on sediment characterization and will also perform the baseline human health and ecological risk screening and overall data management. Ms. Novak will participate in discussions with Ecology at the request of the City.

Ms. Carolyn Wise will assist in field activities and will write and review reports.

5.1 Schedule

Task	Start Date	Completion Time Frame (calendar weeks)
Complete work plan	Week of December 15, 2014.	2
Fieldwork	After completion of the work plan. Time frame includes fieldwork and laboratory analyses and appropriate follow-up analyses.	10
Draft site assessment report	After completion of fieldwork and receipt of final data packages.	4
Final site assessment report	Receipt of Ecology comments on draft site assessment report	2

The time frames for the work to be performed may change, based on changes to the scope of work and issues involving site access, and subject to subcontractor availability and Ecology approval.

LIMITATIONS

The services undertaken in completing this plan were performed consistent with generally accepted professional consulting principles and practices. No other warranty, express or implied, is made. These services were performed consistent with our agreement with our client. This plan is solely for the use and information of our client unless otherwise noted. Any reliance on this plan by a third party is at such party's sole risk.

Opinions and recommendations contained in this plan apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, or the use of segregated portions of this plan.

The purpose of an environmental assessment is to reasonably evaluate the potential for or actual impact of past practices on a given site area. In performing an environmental assessment, it is understood that a balance must be struck between a reasonable inquiry into the environmental issues and an exhaustive analysis of each conceivable issue of potential concern. The following paragraphs discuss the assumptions and parameters under which such an opinion is rendered.

No investigation is thorough enough to exclude the presence of hazardous materials at a given site. If hazardous conditions have not been identified during the assessment, such a finding should not, therefore, be construed as a guarantee of the absence of such materials on the site.

Environmental conditions that cannot be identified by visual observation may exist at the site. Where subsurface work was performed, our professional opinions are based in part on interpretation of data from discrete sampling locations that may not represent actual conditions at unsampled locations.

Except where there is express concern of our client, or where specific environmental contaminants have been previously reported by others, naturally occurring toxic substances, potential environmental contaminants inside buildings, or contaminant concentrations that are not of current environmental concern may not be reflected in this document.

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TABLE



Table
Potential Source Areas and Chemicals of Interest
Former Geddes Marina Property
Marysville, Washington

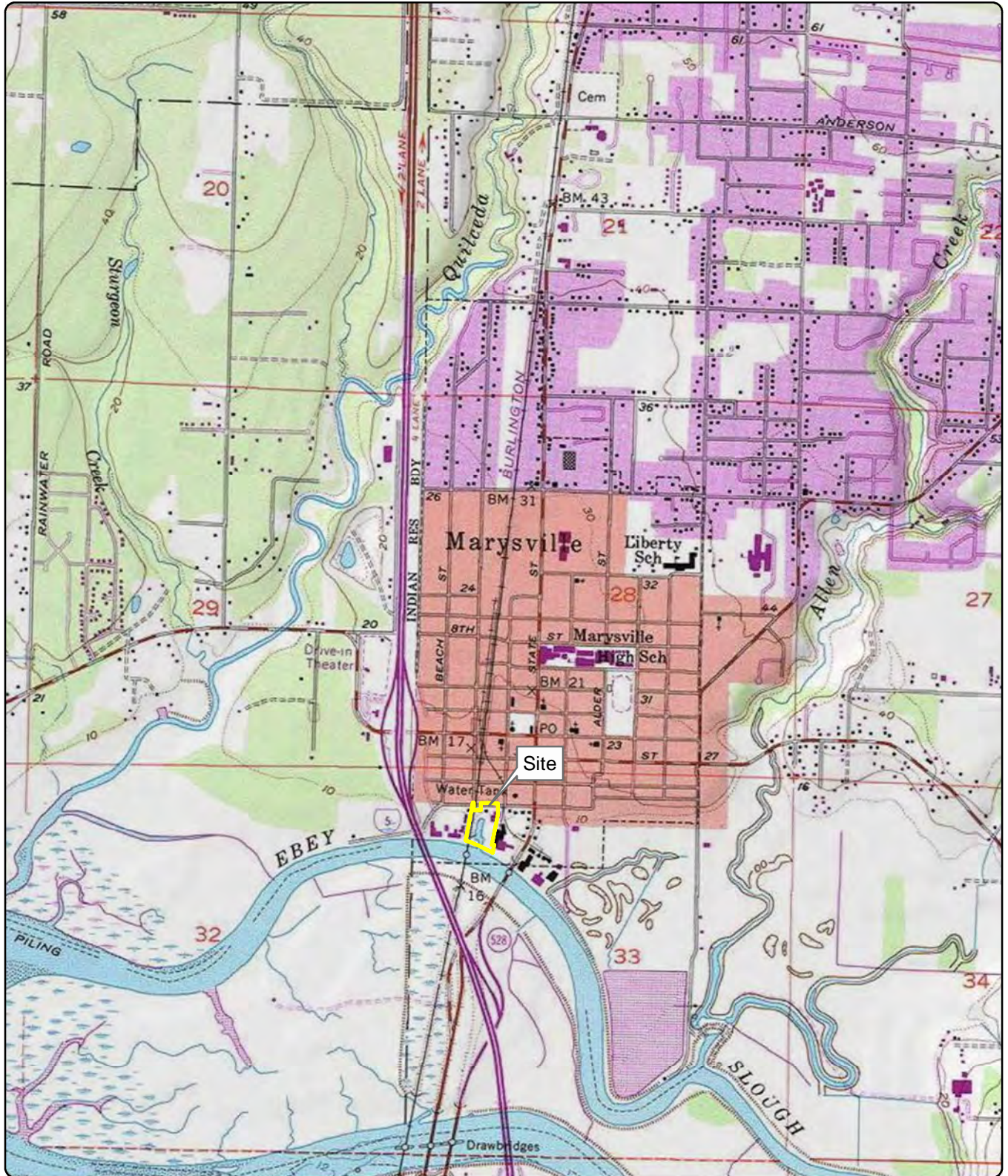
Potential Source Area ^a	Sample Identification	Sample Type	Soil Sample Collection Depth (feet bgs)	Chemicals of Interest in Soil/Sediment	Chemicals of Interest in GW ^a
Former UST—further characterization of UST and downgradient area. Known TPH soil contamination.	GM-1	Boring completed as monitoring well	2 to 15	Table 830-1 GRO suite ^b and TPH-Dx /lead	Table 830-1 GRO suite ^b and TPH-Dx /lead/ nitrate, manganese, iron II, sulfate, methane
Former UST—further characterization of UST and downgradient area. Known TPH soil contamination.	GM-2	Boring completed as monitoring well	2 to 15	Table 830-1 GRO suite ^b and TPH-Dx /SS metals ^c	Table 830-1 GRO suite ^b and TPH-Dx /SS metals ^c
Former UST—further characterization of UST and downgradient area. Known TPH and cPAH soil contamination.	GM-3	Boring completed as monitoring well	2 to 15	Table 830-1 GRO suite ^b and TPH-Dx /cPAHs/HVOCs/BY metals ^d	Table 830-1 GRO suite ^b and TPH-Dx /cPAHs/HVOCs/BY metals ^d / nitrate, manganese, iron II, sulfate, methane
Downgradient of UST and maintenance shop —further characterization of downgradient area.	GM-4	Boring	2 to 15	HVOCs / TPH-Gx/TPH-Dx	HVOCs / TPH-Gx/TPH-Dx
Downgradient of UST; in vicinity of boat shop.	GM-5	Boring completed as monitoring well	2 to 15	TPH-Gx/TPH-Dx/BTEX	TPH-Gx/TPH-Dx/BTEX
Downgradient of UST; in vicinity of boat shop.	GM-6	Boring	2 to 15	HVOCs / TPH-Gx/TPH-Dx/SS metals ^c	HVOCs / TPH-Gx/TPH-Dx/SS metals ^c
In vicinity of prop shop at southeast area of site. Known shallow groundwater contamination of TPH and metals.	GM-7	Boring completed as monitoring well	2 to 15	TPH-Gx/TPH-Dx /HVOCs / BY metals ^d /cPAHs	TPH-Gx/TPH-Dx /HVOCs / BY metals ^d / cPAHs/nitrate, manganese, iron II, sulfate, methane

**Table
Potential Source Areas and Chemicals of Interest
Former Geddes Marina Property
Marysville, Washington**

Potential Source Area ^a	Sample Identification	Sample Type	Soil Sample Collection Depth (feet bgs)	Chemicals of Interest in Soil/Sediment	Chemicals of Interest in GW ^a
Central-south area of property. Downgradient of marina area.	GM-8	Boring completed as a well; dependent upon field observations	2 to 15	TPH-Gx/TPH-Dx/BTEX	TPH-Gx/TPH-Dx/BTEX
West area of property.	GM-9	Boring completed as monitoring well	2 to 15	TPH-Gx/TPH-Dx/BTEX/SS metals ^c	TPH-Gx/TPH-Dx/BTEX/SS metals ^c
Northern area of property.	GM-10	Boring	2 to 15	TPH-Gx/TPH-Dx/BTEX	TPH-Gx/TPH-Dx/BTEX
Northern reaches of lagoon, adjacent and downgradient of former UST, stormwater outfall, and historically elevated detections.	S-09 through S-12 (Tier 1)	Sediment	0 to 0.33 1 to 2.5 2.5 to 5	SMS Marine COIs, TPH-Dx, dioxins	Not applicable
Downgradient of current repair shop.	S-13 (Tier 2)	Sediment	0 to 0.33 1 to 2.5 2.5 to 5	SMS Marine COIs, TPH-Dx, dioxins, organotins	Not applicable
<p>NOTES:</p> <p>bgs = below ground surface. SS = site specific (metals). BY = boat yard (metals). BTEX = benzene, toluene, ethylbenzene, and xylenes. cPAH = carcinogenic polycyclic aromatic hydrocarbon. GRO = gasoline-range organics. GW = groundwater. HVOC = halogenated volatile organic compound. SMS Marine COIs = Marine Sediment Management Standards Chemicals of Interest List. TPH = total petroleum hydrocarbons. TPH-Dx = total petroleum hydrocarbons—diesel- and lube-oil range. TPH-Gx = total petroleum hydrocarbons—gasoline-range. UST = underground storage tank. VOC = volatile organic compound.</p> <p>^aSpecified geochemical parameters (nitrate, iron II, sulfate, sulfide, chloride, and methane) to be analyzed at selected borings. ^bEcology Table 830-1 GRO suite includes TPH-Gx, BTEX, n-hexane, EDB, EDC, MTBE, naphthalenes, total lead ^cSite Specific (SS) metals include metals confirmed as present and above CULs at Site - arsenic, lead, and cadmium. Related metals of concern copper and mercury. ^dPotential metals of concern for boat yard (BY) antifouling painting usage includes lead, zinc, copper, arsenic, mercury, and additional metals of concern due to historical operations at adjoining area include cadmium, tin, and antimony</p>					

FIGURES





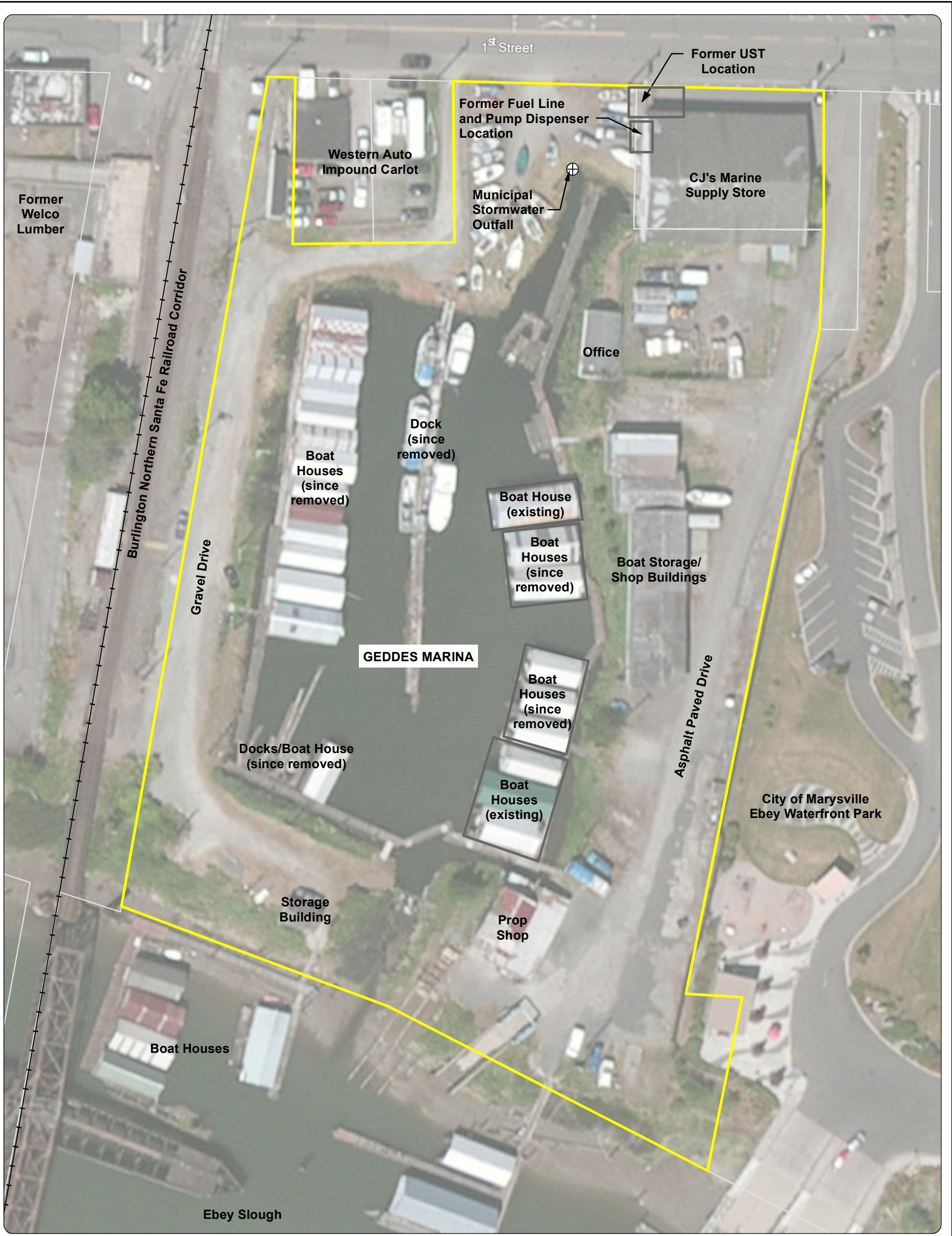
Site Address: 1326 First Street, Marysville, Washington 98270
 Source: US Geological Survey (1990) 7.5-minute
 topographic quadrangle: Marysville
 Section 33, Township 30 North, Range 5 East

Figure 1
Site Location

Former Geddes Marina Property
 Marysville, Washington



Path: X:\0689.01 City of Marysville\Projects\Fig2_Site Features.mxd
Print Date: 12/15/2014
Approved By: yyan
Produced By: jaxelrod
Project: 0689.01.03-01



Source: Aerial photograph (08/01/2011) obtained from Esri ArcGIS Online; taxlots obtained from Snohomish County

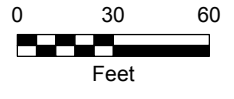
Note: All site features are approximate.

Legend

- +— Railroad
- ▭ Site Boundary
- ▭ Parcel Boundary

Figure 2 Site Features

Former Geddes Marina Property
Marysville, Washington





Source: Aerial photograph (08/01/2011) obtained from Esri ArcGIS Online; taxlots (2014) obtained from Snohomish County.

Note: All historical investigation locations are approximate and are based on the Site and Exploration Plan prepared by Associated Earth Sciences, Inc. (Phase II Environmental Site Assessment Report, October 2008).

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Legend







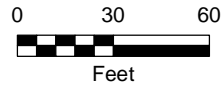
-  Sediment Sample
-  Hand Auger Exploration
-  Exploration Boring
-  Railroad
-  Site Boundary
-  Parcel Boundary

Figure 3
Previous Environmental Investigation

Former Geddes Marina Property
Marysville, Washington





Source: Aerial photograph (08/01/2011) obtained from Esri ArcGIS Online; taxlots (2014) obtained from Snohomish County; elevation data obtained from Puget Sound LiDAR Consortium.

Notes:
 1. All historical investigation locations are approximate and are based on the Site and Exploration Plan prepared by Associated Earth Sciences, Inc. (Phase II Environmental Site Assessment Report, October 2008).
 2. NAVD 88 = North American Vertical Datum of 1988.
 3. The dock and selected boathouses have been removed as of October 2014.

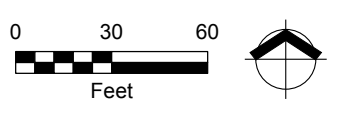
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Legend

- Railroad
- Ordinary High Water (8.86 feet NAVD 88)
- Site Boundary
- Parcel Boundary
- Proposed Boring
- Proposed Sediment Sample - Tier 1
- Proposed Sediment Sample - Tier 2
- Stormwater Outfall
- Sediment Sample
- Hand Auger Exploration
- Exploration Boring

Figure 4
Proposed Sample Locations
 Former Geddes Marina Property
 Marysville, Washington



APPENDIX A

SAMPLING AND ANALYSIS PLAN



FINAL SAMPLING AND ANALYSIS PLAN

FORMER GEDDES MARINA PROPERTY
MARYSVILLE, WASHINGTON



Prepared for
CITY OF MARYSVILLE
MARYSVILLE, WASHINGTON
December 16, 2014
Project No. 0689.01.03

Prepared by
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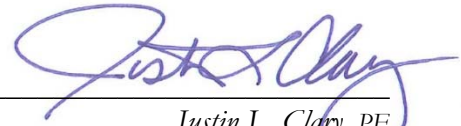
FINAL SAMPLING AND ANALYSIS PLAN
FORMER GEDDES MARINA PROPERTY
MARYSVILLE, WASHINGTON

*The material and data in this report were prepared
under the supervision and direction of the undersigned.*

MAUL FOSTER & ALONGI, INC.



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Principal Engineer*

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ACRONYMS AND ABBREVIATIONS

ASTM	American Society for Testing and Materials
bgs	below ground surface
bml	below mudline
the City	City of Marysville, Washington
cm	centimeter
COC	chain of custody
COI	chemical of interest
DGPS	differential global positioning unit
Ecology	Washington State Department of Ecology
FSDS	field sampling data sheet
GRO	gasoline-range organic
IDW	investigation-derived waste
IPG	Integrated Planning Grant
LCS	laboratory control sample
LDS	laboratory duplicate sample
MFA	Maul Foster & Alongi, Inc.
MS/MSD	matrix spike/matrix spike duplicate
MTCA	Model Toxics Control Act
NWTPH	Northwest Total Petroleum Hydrocarbons
PAH	polycyclic aromatic hydrocarbon
pH	potential hydrogen
the Property	Geddes Marina property
PRT	post run tubing
QA	quality assurance
QC	quality control
SAP	sampling and analysis plan
SIM	selective ion monitoring
SMS	Sediment Management Standards
TPH	total petroleum hydrocarbons
USEPA	U.S. Environmental Protection Agency
VOC	volatile organic compound
WAC	Washington Administrative Code

1 INTRODUCTION

Maul Foster & Alongi, Inc. (MFA) has prepared this sampling and analysis plan (SAP) consistent with the requirements of the Washington Administrative Code (WAC) 173-340-820 for the City of Marysville, Washington (the City) to guide the collection of samples during the focused site assessment investigation at the former Geddes Marina property at 1326 First Street in Marysville, Washington (the Property) (Figure 1 of MFA, 2014). Historically, the Property has been the location of timber industry-and marine-related operations. The Property now contains a marine supply store, upland and in-water boat storage, and marine-related maintenance facilities.

The work described in this SAP is being conducted by the City under an Integrated Planning Grant (IPG) provided by the Washington State Department of Ecology (Ecology). The IPG funds will allow the City to assess the environmental condition of the Property. The procedures described in this SAP will be used for various phases and tasks of the project. The goal of the sampling is to obtain reliable data about physical, environmental, and chemical conditions at the Property in order to support the goals and objectives of the focused site assessment.

This SAP has been prepared consistent with the requirements of Ecology's Guidance on Sampling and Data Analysis Methods (Ecology, 1995), Guidance for Preparing Quality Assurance Project Plans for Environmental Studies (Ecology, 2004), Guidance for Evaluating Soil Vapor Intrusion in Washington State (Ecology, 2009), and the 1993 Model Toxics Control Act (MTCA) (WAC Chapter 173-340).

1.1 Investigation Objectives

The primary objective of the SAP is to establish procedures for the collection of data of sufficient quality to evaluate the nature and extent of impacted soil, groundwater, and sediment at the Property. The site assessment work plan references the relevant procedures and protocols from this SAP, and identifies specific media to be sampled and the locations, frequency, and types of field or laboratory analyses that will be conducted. This SAP is meant to ensure that reliable data are obtained in support of the development of remedial actions at the Property if such actions are necessary for the protection of human health and the environment. It provides a consistent set of procedures that will be used throughout the various work phases identified in the work plan (MFA, 2014).

Once the nature and extent of soil, groundwater, and sediment impacts (if present) have been determined, further investigation, which may involve the collection of other media (e.g., soil gas, indoor or ambient air, slab vapor), may be proposed, as applicable. The procedures for collection of samples of other media are summarized in this SAP, in case these are necessary in future scopes of work.

If a phase of work or otherwise unforeseen change in methodology requires modification to the SAP, an addendum may be prepared that describes the specific revision(s), or the alternative

procedures used will be documented in the site assessment report. The procedures provided in this SAP will direct the investigation process so that the following conditions are met:

- Data collected are of high quality, representative, and verifiable.
- Use of resources is cost effective.
- Data can be used by the City and Ecology to support selection and implementation of remedial actions, if necessary.

This SAP describes methods that will be used for sampling environmental media, decontaminating equipment, and managing investigation-derived waste (IDW). It also includes procedures for collecting, analyzing, evaluating, and reporting useful data. This SAP includes quality assurance (QA) procedures for field activities, quality control (QC) procedures, and data validation.

2 ACCESS AND SITE PREPARATION

2.1 Access

The City, as property owner, has granted access to MFA to conduct subsurface investigations under the IPG. MFA will coordinate activities directly with the City, Ecology, and any current tenants at the Property and will notify the City and the Ecology project manager before beginning work at the Property.

2.2 Site Preparation

Before subsurface field sampling programs begin at the Property, public and private utility-locating services will be used to check for underground utilities and pipelines near the proposed sample locations. MFA will coordinate fieldwork with the City to define the locations of possible on-site utilities and piping and other subsurface obstructions. Ecology will be notified a minimum of 48 hours before field activities begin.

3 SOIL AND GROUNDWATER ASSESSMENT

The proposed locations of soil and reconnaissance groundwater borings are shown on Figure 4 of the site assessment work plan (MFA, 2014). Subsurface soil and reconnaissance groundwater samples will be collected using a direct-push drill rig (i.e., Geoprobe™).

Soil samples will be screened using a photoionization detector or an organic vapor monitor. Visual and olfactory observations will be noted. Soil and groundwater samples will be analyzed following

the program outlined in the work plan table (MFA, 2014). If there is evidence of impacts in the field, the sample depths may be altered in order to collect samples in and/or beneath the impacted areas. Additional analyses may be recommended based on field observations.

3.1 Borings

The borings will be advanced with the direct-push drill rig and samples collected following industry-standard techniques. In the event that refusal is met before the desired boring depth is reached (i.e., significant debris, cobbles, or bedrock are encountered), a different type of drilling technology may be considered.

Reconnaissance groundwater samples may be collected using a stainless steel (e.g., Geoprobe) water sampler. The water sampler will be advanced to the desired depth. The casing around the water sampler will be pulled back, exposing the screen. If water does not flow into the screen within 15 minutes, the sampler will be removed and a temporary well will be installed. This will consist of placing 0.010-inch machine slot screen with polyvinyl chloride riser into the boring and allowing the system to rest for approximately 12 hours. If no water is in the well after the 12 hours, then the well will be abandoned.

If practicable, at least one casing volume of groundwater will be purged before sample collection, using new polyethylene tubing or a disposable bailer and following procedures summarized in Section 5.1. If there is enough water, some will be used to measure water quality field parameters, including potential hydrogen (pH), specific conductance, and temperature.

New disposable tubing will be used at each location to collect water samples. Nondisposable equipment used for water sample collection will be decontaminated both before its use at the facility and after each sample is collected, in accordance with the procedures outlined in Section 3.7 of this plan.

Samples will be labeled, preserved, and shipped to the analytical laboratory under standard chain-of-custody (COC) procedures.

3.2 Documentation

A log of soil samples will be prepared by a geologist or hydrogeologist licensed by the State of Washington or by a person working under the direct supervision of a Washington State-licensed geologist or hydrogeologist. Boring logs will include information such as the project name and location, the name of the drilling contractor, the drilling method, the sampling method, sample depths, blow counts (if applicable), a description of soil encountered, and screened intervals. Soils will be described using American Society for Testing and Materials (ASTM) designation D2488-00, Standard Practice for Description and Identification of Soils (Visual-Manual Procedures). The information will be recorded on the MFA boring log form provided in Appendix A or in field notes.

3.3 Boring Decommissioning

When a boring is no longer needed, it will be decommissioned with bentonite chips or with bentonite grout in accordance with the WAC for Minimum Standards for Construction and Maintenance of Wells (WAC 173-160, 1998).

3.4 Monitoring Wells

Monitoring wells will be constructed according to the Washington State well construction standards (Chapter 173-160 WAC) and as described below:

- Monitoring wells will be constructed with 2-inch-diameter polyvinyl chloride or stainless steel riser pipe and screened sections. The well screens will consist of 0.010-inch machine slots. The monitoring wells may be constructed with pre-packed well screen with 10 x 20 washed silica sand or by placing materials downhole, following the WAC regulation listed above.
- Additional filter pack may be placed around the pre-packed screen (if used). The additional filter pack will consist of graded 10 x 20 washed silica sand and will extend a maximum of 1 foot below the bottom of the screen and 3 feet above the top of the screen. A weighted line will be used to monitor the level of the filter pack during installation. The filter pack may be surged during installation.
- Bentonite grout or hydrated chips (e.g., 0.75-inch minus) will be used to seal the annulus above the filter pack. Potable water will be used. A weighted line will be used to measure the top of the bentonite chips as they are poured into place.
- At least 24 hours after installation of a well, the well will be developed by surging, bailing, or pumping to remove sediment that may have accumulated during installation and to improve the hydraulic connection with the water-bearing zone.
- Water quality field parameters such as specific conductance, pH, temperature, and turbidity will be measured during well development, as deemed appropriate. The wells will be developed until the turbidity measurements are 10 nephelometric turbidity units or less, or until there is no noticeable decrease in turbidity. To the extent practical, water quality field parameters will be considered stable when the specific conductance is within 10 percent of the previous reading, pH is within 0.1 standard unit of the previous reading, and temperature is within 0.1 degree Celsius (°C) of the previous reading.

3.5 Groundwater Elevations

Water level measurements to the nearest 0.01 foot will be taken, using an electronic water level indicator. If it is not known, the depth of the boring or the monitoring well will also be measured. The depth to water will be measured from the top of the casing (typically the polyvinyl chloride riser pipe) at the surveyed elevation point. This reference point will be marked so that readings are taken from the same reference point in future measurements. In addition, the well condition (including the condition of the lock, monument integrity, and legibility of well labels) will be recorded for each

location. Gauging equipment will be decontaminated between wells in accordance with the procedures outlined in Section 3.7.

3.6 Surveying

The locations of the borings, surface samples, and other features of interest will be surveyed using a global positioning unit (e.g., Trimble™) capable of sub-meter accuracy. If monitoring wells are installed, they will be surveyed by a licensed surveyor.

3.7 Equipment Cleaning and Decontamination

3.7.1 Drilling Equipment

The working area of the drill rig and downhole drilling equipment will be steam-cleaned or pressure-washed after arrival on the Property and after use in each borehole or monitoring well. Decontamination fluids will be transferred to drums approved by the Washington State Department of Transportation, and will be managed according to the procedures outlined in Section 3.8.

3.7.2 Sampling Equipment

Nondisposable sampling equipment and reusable materials that contact the soil or water will be decontaminated on site and before and after use at each sampling location. Decontamination will consist of the following:

- Tap-water rinse (may consist of an equivalent high-pressure or hot-water rinse). Visible soil to be removed by scrubbing.
- Non-phosphate detergent wash, consisting of a dilute mixture of Liqui-Nox® (or equivalent) and tap water.
- Distilled-water rinse.
- Methanol solution rinse (1:1 solution of methanol with distilled water).
- Distilled-water rinse.

Decontamination fluids will be transferred to drums for management.

3.8 Management of Investigation-Derived Waste

IDW may include items such as soil cuttings, purged groundwater, decontamination fluids, sampling debris, and personal protective equipment. The IDW will be segregated into solids, liquids, and sampling debris (e.g., personal protective equipment, tubing, bailers). IDW will be stored in a designated area on the Property in drums approved by the Washington State Department of Transportation.

Drums will be labeled with their contents, the approximate volume of material, the date of collection, and the origin of the material. Pending characterization, the drums will be sealed, secured, and transferred to a designated area on the Property. Analytical data from the soil- and groundwater-sampling activities previously described may be used to characterize the soil cuttings, drilling fluids, purge water, and decontamination fluids generated during drilling and monitoring well sampling.

4 SOIL SAMPLING

Soil samples will be collected for lithologic description, field screening, and chemical analyses, as described below. The sampling intervals, depths, and initial sample analysis schedule are specified in the work plan (MFA, 2014).

4.1 Procedure

Samples will be prepared, handled, and documented as follows:

- Soil-sampling equipment will be decontaminated before it is used at each sampling location (see Section 3.7).
- Samples will be obtained by hand, using a new, uncontaminated glove; or with a decontaminated stainless steel spoon, trowel, or knife, in accordance with the sample intervals defined in the Work Plan table.
- Soil that will be analyzed for volatile organic compounds (VOCs) and gasoline-range organics (GROs) will be transferred directly from freshly exposed soil into laboratory-supplied containers, using the appropriate USEPA Method 5035A sampling procedures. The samples will be placed in 40-milliliter vials. Depending on the soil type, five milligrams of soil will be added to the prepared vials preserved with sodium bisulfate monohydrate or methanol. A soil sample will also be collected in an unpreserved glass jar to be analyzed for petroleum hydrocarbons, heavy metals, and other analytes specified in Table 1.
- Large particles (i.e., larger than 0.25 inch) may be removed before the sample is placed in a laboratory-supplied container.
- Soil samples will be transferred directly from the sampling device into laboratory-supplied glass jars by hand, using a new, uncontaminated glove; or with a decontaminated stainless steel spoon, trowel, or knife.
- Sample containers will be labeled, packed in iced shipping containers with COC documentation (see Section 10), and delivered or shipped to the laboratory.
- Sampling information will be recorded in a field notebook, on a field sampling data sheet (FSDS), and on the COC form.

Generally, duplicate soil samples should be collected at the frequency of one duplicate sample for every 20 samples collected.

4.2 Nomenclature

Soil samples will be labeled with a prefix to denote the location identification number, an “S” to indicate a soil sample matrix, and the sample depth in feet. The depth interval should be specified as the middle of the sampling interval. For example, a soil sample collected from a boring at location 12 and at depth interval from 18 to 22 feet below ground surface (bgs) will have the sample nomenclature of GM1-S-20.0.

Duplicate soil samples will replace the location number with “DUP,” and the sample will have the same sample time as the primary sample. A duplicate sample of the abovementioned sample would appear as GMDUP-S-20.0. To avoid confusion, duplicate samples should not be collected from multiple locations at the same depth on the same day and at the same time.

Relevant sample information will be documented on the exploratory boring log (see Appendix A) or an FSDS (see Appendix B).

4.3 Composite Soil Sampling

Should soil stockpiles be created on site in the future, characterization of each stockpile will be completed through collection of representative composite soil samples. A clean shovel or hand auger will be used to dig up to 1.5 feet into the pile from at least three subsample locations. Each of the subsamples will be collected by hand with clean, disposable gloves. Subsample locations will be selected to obtain representative material, based on visual inspection and best professional judgment. To the extent possible, subsamples should consist of fine-particle-sized material, with larger rocks and debris removed. Subsamples will be combined and homogenized. The composite sample of the material source will be transferred to a laboratory-supplied glass container(s).

5 GROUNDWATER SAMPLING

During drilling, reconnaissance groundwater samples may be collected for chemical analyses, as described below. Should monitoring wells be installed, groundwater samples may be collected following the procedure outlined below.

5.1 Reconnaissance Groundwater Sampling

Reconnaissance groundwater samples will be collected using conventional methods associated with the drilling method (e.g., inertia or peristaltic pump). Before groundwater sampling, the borehole will be purged to minimize solids and ensure that a representative sample is collected.

Groundwater will be transferred directly into laboratory-supplied containers specific to the analysis required, as outlined in Table 2 and in Section 10. If there is enough water, water quality field parameters (e.g., temperature, specific conductance, pH, turbidity) will be measured.

5.2 Monitoring Well Groundwater Sampling

If monitoring wells are installed, a peristaltic pump will be used collect groundwater samples, using standard low-flow sampling techniques. If possible, groundwater samples should be collected from the middle of the screened interval or, if the water level is below the top of the screen, from the middle of the water column. New, disposable tubing will be used at each monitoring location.

Before collection of groundwater samples, the water level will be measured and the well will be purged. If a peristaltic pump is used, the well should be purged at a low flow rate (e.g., 0.1 to 0.5 liter per minute). A minimum of one well volume will be purged before sample collection, or purging will continue until selected water quality field parameters (e.g., temperature, specific conductance, pH, turbidity) have stabilized. If the well goes dry during purging, a sample can be collected once the well recharges enough water. During purging, the flow rates, water levels, and water quality parameters will be recorded on an appropriate field form or in the field notes. Groundwater will be transferred directly into laboratory-supplied containers specific to the analysis required.

5.3 Nomenclature

Groundwater samples will be labeled with a prefix to denote the sampling location identification number, a “W” to indicate a water sample matrix, and the midpoint of the screened or open area sample depth in feet. For example, a reconnaissance groundwater sample collected from a boring at location 4 and with a screen from 30 feet to 35 feet bgs will have the sample nomenclature of GM4-W-32.5.

Duplicate reconnaissance groundwater samples will replace the location number with “DUP,” and the sample will have the same sample time as the primary sample. To avoid confusion, avoid collecting more than one duplicate sample from the same depth on the same date and at the same time. A duplicate sample of the abovementioned sample would appear as GMDUP-W-32.5.

Relevant sample information will be documented on the exploratory boring log (see Appendix A) or an FSDS (see Appendix B); documentation may include items such as the screened interval or open space, equipment used, water quality field parameters, and the amount of water purged before sampling. The screened interval or open borehole will be recorded on the boring log.

6 SEDIMENT SAMPLING

Sediment samples will be collected for chemical analyses as described below. The sampling intervals, depths, and initial sample analysis schedule are specified in the work plan (MFA, 2014).

6.1 Procedure

Proposed sediment sample locations are presented on Figure 4 of the work plan (MFA, 2014). Sediment samples will be collected at 19 locations; 12 locations are identified as “Tier I” samples. Tier I samples will be submitted to the laboratory for analysis. All other samples, i.e., “Tier II” samples, will be submitted to the laboratory for archiving, pending results of soil, groundwater, and Tier I surface sediment sample results.

Surface sediment will be collected from the 0- to 10-centimeter (cm) biologically active zone. Subsurface sediment cores will be collected at the proposed locations at the Property to a depth of 5 feet below mudline (bml) or refusal. Samples will be collected by staff trained and certified in handling potentially contaminated materials.

A manually deployed Ponar® grab sampling device (i.e., modified Van Veen) with a 10-cm penetration capacity will be used to collect surface sediment samples in the lagoon. Sampling locations will be approached at slow boat speeds with minimal wake to minimize disturbance of bottom sediments before sampling. Sediment samples will be handled carefully to minimize disturbance during collection and transportation to the laboratory. The grab sampler will be lowered over the side of the boat at an approximate speed of 0.3 foot per second. When the sampler reaches the mudline, the cable will be drawn taut and differential global positioning unit (DGPS) location measurements recorded. Each surface grab sample will be retrieved aboard the vessel and evaluated for the following acceptance criteria:

- Adequate penetration depth is achieved.
- Sampler is not overfilled.
- Sediment surface is undisturbed.
- There are no signs of winnowing or leaking from sampling device.

Grab samples not meeting these criteria will be rejected near the location of sample collection, and the process will be repeated until acceptance criteria have been met. Deployments will be repeated within a 20-foot radius of the proposed sample location. If adequate penetration is not achieved after multiple attempts, less volume will be accepted, and this will be noted in the field notebook. Once the samples have been accepted, the Ponar device will be emptied into a decontaminated stainless steel bowl and the samples will be homogenized.

Sediment cores will be manually advanced. A decontaminated, stainless steel sediment-sampling device will be used to retrieve sediment from the surface to 5 feet bml or to refusal. Sediment from each core location will be transferred to decontaminated stainless steel bowls for homogenization.

The reusable stainless steel sampling devices will be decontaminated between stations, as described in Section 6.3.

6.2 Sample Location

The locations of the borings, surface samples, and other features of interest will be surveyed using a global positioning unit (e.g., Trimble™) capable of sub-meter accuracy. The vertical elevation of each sediment station will be measured using a lead line.

6.3 Decontamination Procedures

Sample containers, instruments, working surfaces, technician protective gear, and other items that may come into contact with sediment sample material must meet high standards of cleanliness. All equipment that comes into direct contact with the sediment collected for analysis will be made of stainless steel and will be cleaned prior to use at each sampling location. Decontamination of all items will follow Puget Sound Estuary Program protocols. The decontamination procedure is:

1. Prewash/rinse with tap water.
2. Wash with solution of tap water and Alconox soap (brush).
3. Rinse with tap water.
4. First rinse with distilled water.
5. Rinse three more times with distilled water.
6. Cover (no contact) all decontaminated items with aluminum foil.
7. Store in clean, closed container for next use.

Liquid generated by decontamination will be properly handled, according to procedures described in Section 3.8.

6.4 Sample Processing

The 10 cm of surface sediment collected in the Ponar sampler will be transferred to a large, decontaminated, stainless steel bowl, using a decontaminated stainless steel spoon. Sediment from each sediment core location will be transferred to three individual decontaminated stainless steel bowls, one for each sediment core tier (i.e., 0 to 10 cm, 10 cm to 2.5 feet, and 2.5 to 5 feet bml), and homogenized.

Before homogenization, sediment will be physically described, noting presence of woody debris. If woody debris is identified, it will be recorded in the field notebook. Sediment will then be homogenized and spooned immediately into appropriate pre-cleaned, pre-labeled sample containers, placed in coolers filled with ice, and maintained at approximately 4 °C. Sample holding times and preservation methods are presented in Table 3. Debris and materials more than 2 inches in diameter will be omitted from sample containers.

6.5 Sample Containers and Labels

Sample containers and preservatives will be provided by the analytical laboratory. The analytical laboratory will maintain documentation certifying the cleanliness of the sample containers and the

purity of preservatives provided. Specific container requirements will be determined by the analytical laboratory.

Each sample will have an adhesive plastic or waterproof paper label affixed to the container and will be labeled at the time of collection. The following information will be recorded on the container label at the time of collection:

- Project name
- Sample identification
- Date and time of sample collection
- Preservative type (if applicable)

Samples will be uniquely identified with a sample identification that, at a minimum, specifies sample number and sample location.

6.6 Field Documentation

After sample collection, the following information will be recorded in the project field notebook:

- Date and time; name of person logging sample
- Weather conditions
- Sample location number
- Percentage of woody debris
- Depth of water at the location
- Sediment penetration and depth

Each sample will be photographed. Sediment will be described in the field, using the visual-manual description procedure (Method ASTM D-2488 modified). This information will also be recorded in the field notebook. Visual-manual characterization includes the following:

- Grain size distribution
- Density/consistency
- Plasticity
- Color and moisture content
- Biological structures (e.g., shells, tubes, macrophytes, bioturbation)
- Presence of debris and quantitative estimate (e.g., wood chips or fibers, paint chips, concrete, sandblast grit, metal debris)
- Presence of oily sheen
- Odor (e.g., hydrogen sulfide)

7 SOIL VAPOR SCREENING

If soil vapor sampling is performed, it should be conducted as described below.

7.1 Procedure

Soil borings for soil vapor sample collection will be advanced using direct-push technology (e.g., Geoprobe). A “post run tubing” (PRT) system will be used to reduce problems that are more likely to occur with sampling directly through the steel rods. The PRT system uses an adapter and tubing to isolate the soil gas sample from the drill rods, thereby reducing possible leaks of ambient air from the rod joints into the sample. A PRT point holder and expendable point are attached to the leading end of a sampling screen. The drill rods will be advanced to the desired sample depth. The PRT adapter attached to the sample tubing is threaded into the reverse thread fitting in the top of the point holder. The rods are then retracted to release the expendable point, exposing the screen and creating an opening where soil gas can enter the PRT system.

The upper end of the tubing will be connected to the purging/sampling system (Figure 1). A flow controller may be attached to the sample setup to regulate the flow of soil vapor into the sample container. The line will be purged for one minute or a period of time sufficient to achieve a purge volume that equals at least three volumes of the PRT system and sampling train, and then the sample will be collected using a laboratory-supplied stainless steel canister (e.g., Summa canister), or other appropriate container.

If a leak check is deemed necessary, helium will be contained around the sampling apparatus and sampling location, using a small, tent-like structure or shroud, to serve as a leak-check compound to verify the integrity of the sampling system before the sample is collected. See the attached Figure 1 for sample system configuration.

7.2 Nomenclature

Soil vapor samples will be labeled with a prefix to denote the sampling location identification number, “SV” to indicate the soil vapor sample matrix, and the midpoint of the screened or open area sample depth. For example, a soil vapor sample collected from a boring at location 4 and with an open screen from 5 feet to 7 feet bgs will have the sample number GP4-SV-6.0.

Duplicate soil vapor samples will replace the location number with “DUP,” and the sample will have the same sample time as the primary sample. A duplicate sample of the abovementioned sample would appear as GPDUP-SV-6.0.

Relevant sample information will be documented on the exploratory boring log (see Appendix A) or an FSDS (see Appendix B); documentation should include the screened interval or open space, equipment used, and helium meter readings.

8 SUBSLAB SOIL VAPOR SAMPLING

If subslab soil vapor sampling is performed, it should be conducted as described below.

8.1 Procedure

Subslab soil vapor sampling may be performed to evaluate vapors that collect under a building's foundation. The following procedures may be followed to install subslab soil vapor sampling points.

Subslab utilities, such as water, sewer, and electrical, should be located and marked on the slab prior to drilling or cutting. If a building is determined to have a moisture barrier and/or a tension slab, special care should be taken when drilling or cutting through the concrete slab. Subslab samples will not be collected if the slab is in contact with, or potentially could come into contact with, groundwater.

After removal of the floor covering, a 1.0- to 1.25-inch-diameter hole will be drilled through the concrete slab (see Figure 2). A hammer drill can be used to drill the holes. The holes should be advanced 3 to 4 inches into the engineering fill below the slab. Drill cuttings should be removed from the borehole, using a vacuum.

Vapor probes will be constructed of 1/8-inch- or 1/4-inch-diameter stainless steel tubing (e.g., Swagelok®) with a permeable probe tip). A Teflon™ sealing disk should be placed, as needed, between the probe tip and the blank riser pipe to prevent the downward migration of materials into the sand pack.

Dry granular bentonite should be used to fill the borehole annular space to above the base of the concrete foundation. Hydrated bentonite should then be placed above the dry granular bentonite. The bentonite for this portion of probe construction should be hydrated to ensure proper sealing. Care should be used in placement of the bentonite to prevent post-emplacment expansion, which might compromise both the probe and the cement seal. The remainder of the hole should be filled with bentonite grout if the probe installation is permanent. Before the introduction of the bentonite grout or cement, the existing concrete surfaces in the borehole should be cleaned with a damp towel to increase the potential for a good seal. The vapor probe tip should be surrounded by a sand filter pack to ensure proper airflow to the probe tip.

Water used in the construction of the probe should be deionized, the bentonite grout should be contaminant-free and quick-drying, and the metal probe components should be stainless steel and should be cleaned to remove manufacturer-applied cutting oils.

Prior to sampling, at least two hours of time should elapse following installation of a probe to allow the construction materials to cure and the subsurface to equilibrate (USEPA, 2006).

The upper end of the tubing will be connected to the purging/sampling system (see Figure 3). A flow controller will be attached to the sample setup to regulate the flow of soil vapor into the sample container. Before sampling, the line will be purged for one minute or a period of time sufficient to achieve a purge volume that equals at least three volumes held by the purging/sampling system before sampling began. Relevant sampling information should be recorded, including items such as the sampling start and stop times, the initial and final canister vacuum readings, and weather conditions. If a stainless steel canister is used, the sample should be rejected or the data qualified if the initial canister pressure is not at least -28 inch of mercury or if the final canister pressure is greater than -5 inch of mercury.

Upon completion of the sampling events, the foundation probes will be decommissioned by overdrilling the probe tip, probe tubing, bentonite, and grout. The borehole will be filled with grout and concrete patch material.

8.2 Nomenclature

Subslab soil vapor samples will be labeled with a prefix to denote the sampling location identification number, "BV" to indicate the subslab soil vapor sample matrix, and the midpoint of the screened or open area sample depth. For example, a subslab soil vapor sample collected from location 4 and with an open screen from 5 feet to 7 feet bgs will have the sample number L04-BV-6.0.

Duplicate soil vapor samples will replace the location number with "DUP," and the sample will have the same sample time as the primary sample. A duplicate sample of the abovementioned sample would appear as LDUP-BV-6.0.

Samples will be documented in field notes and will include the equipment used and the screened interval or open space.

9 INDOOR/OUTDOOR AIR SAMPLING

If indoor or outdoor air sampling is performed, it should be conducted as described below.

9.1 Procedure

Indoor air samples should be collected from each level, if applicable, of each building included in the assessment. Indoor air samples will be collected approximately 3 to 5 feet above the floor. If outdoor ambient air samples are collected, they should be taken from locations upwind of the building around the same time as the indoor air sample collection.

A flow controller should be attached to the sample setup to regulate the flow of air into the sample container. If a 6-liter, stainless steel canister is used, the valve will be opened to collect the sample over a 24-hour period. Field data will be recorded, including items such as a description of the

sample location, sampling start and stop times, the initial and final canister vacuum readings, and weather conditions. The sample should be rejected or the data qualified if the initial canister pressure is not at least -28 inch of mercury or if the final canister pressure is greater than -5 inch of mercury.

9.2 Nomenclature

Indoor air samples will be labeled with a prefix to denote the sampling location identification number prefixed by L, "IA" to indicate the indoor air sample matrix, and a height above ground, in feet. Background air samples will be labeled with a prefix to describe the sampling location identification number prefixed by L, "BA" to indicate the background air sample matrix, and a height above ground, in feet. For example, an indoor air sample collected at location 4, 3 feet off the ground, will have the sample number L04-IA-3.0.

Duplicate air samples will replace the location number with "DUP," and the sample will have the same sample time as the primary sample. A duplicate sample of the abovementioned sample would appear as LDUP-IA-3.0.

Relevant sample information may be documented on an FSDS (see Attachment B) and should include items such as a description of the sample location, the screened interval or open space, and equipment used. Record field data before and after the sampling, including items such as the sampling start and stop times, the initial and final canister vacuum readings, temperature, relative humidity, and observations of conditions that may influence sampling results (e.g., presence or use of products that may contain chemicals of interest [COIs]; open windows/doors; ventilation systems).

10 ANALYTICAL METHODS

10.1 Chemicals of Interest

Elevated concentrations of gasoline-range total petroleum hydrocarbons (TPH) and associated VOCs, i.e., at levels above Ecology MTCA Method A cleanup levels, were reported in soil and groundwater samples collected adjacent to the former UST at the northeast area of the Property (The Riley Group, 2000). Associated Earth Sciences, Inc. identified elevated concentrations of carcinogenic polycyclic aromatic hydrocarbons (cPAHs) and metals (arsenic, lead, and cadmium) in shallow soil samples collected primarily at 0.5 to 1 foot bgs. Heavy metals (arsenic, lead, cadmium, and chromium) and diesel-range TPH were also identified at elevated concentrations in groundwater. Additionally, elevated levels of mercury, zinc, and diesel- and heavy-oil range TPH were identified in sediment samples (AESI, 2010).

The following chemicals may be associated with known or suspected former site activities and have been identified as COIs: gasoline- and diesel-range TPH; VOCs; metals; PAHs; and, for selected

samples, butyltins. Proposed COIs for laboratory analyses are outlined in the work plan table (MFA, 2014).

10.2 Laboratory Test Methods and Reporting Limits

10.2.1 Soil and Groundwater

In accordance with the QA/QC requirements set forth in this SAP, an accredited laboratory may perform the following analyses. Laboratory methods are summarized in the work plan table (MFA, 2014).

- Diesel- and residual-range TPH by Northwest Total Petroleum Hydrocarbons (NWTPH)-Dx Extended Method
- Gasoline-range TPH by NWTPH-Gx Method
- VOCs associated with petroleum fuel, specifically BTEX (benzene, toluene, ethylbenzene, and xylenes), by USEPA Method 8021B
- VOCs associated with former shop repair services by USEPA Method 8260C
- PAHs by USEPA Method 8270 selective ion monitoring (SIM)
- Metals specific to gasoline, boat yard operations, and site-specific former uses (antimony, arsenic, cadmium, copper, lead, mercury, tin, and zinc by USEPA Method 6020 series

To evaluate the potential for biodegradation process, selected groundwater samples will also be analyzed for the following geochemical parameters to prescreen for the presence of electron acceptors:

- Nitrate by USEPA Method 353.2
- Manganese by USEPA Method 6020A
- Ferrous iron by USEPA Method ApplEnvMic7-87-1536
- Sulfate by ASTM D516-02
- Methane by RSK 175

10.2.2 Sediment

In accordance with the QA/QC requirements set forth in this SAP, an accredited laboratory may perform the following analyses. Laboratory methods are summarized in the work plan table (MFA, 2014). Tier 1 samples will be analyzed for the SMS Marine COIs, diesel- and heavy-oil range organics, and dioxins (see attached Table for summary of analytes). In addition, organotins will be analyzed in Tier 2 sample S-13 (see Figure) if analysis of this sample is triggered (see work plan). Limits of quantitation and SMS criteria are shown in Table 4. Additional sediment volume will be collected at all locations for archiving at the analytical laboratory.

10.2.3 Soil Vapor/Subslab Vapor Sampling

In the event that soil vapor/subslab vapor sampling at the Property is recommended, chemical analyses will be determined based on chemical impacts observed in soil and/or groundwater. For example, samples may be analyzed for selected compounds by Modified USEPA Method TO-15 SIM or USEPA Method TO-17. An accredited laboratory will provide a 1-liter, stainless steel canister (e.g., Summa canister) or sorbent tube for each sample to be analyzed for VOCs.

10.2.4 Indoor/Outdoor Air Sampling

In the event that indoor air/outdoor air sampling at the Property is recommended, chemical analyses will be determined based on chemical impacts observed in soil, groundwater, and/or vapor sampling. For example, samples may be analyzed for selected VOC compounds by Modified USEPA Method TO-15 SIM to achieve low reporting limits. An accredited laboratory may provide a 6-liter, stainless steel canister (e.g., Summa canister) or sorbent tube for each sample.

10.3 QA/QC Samples Generated in Field

To ensure that field samples and quantitative field measurements are representative of the media collected and conditions being measured, sample collection and measurement methods will follow procedures documented in Section 4.1. QC samples collected in the field include field equipment rinse blanks, trip blanks, and field duplicates. Field QC samples will be identified on the FSDSs. Field and trip blank results may indicate possible contamination introduced by field or laboratory procedures; field duplicates indicate precision both in field and laboratory procedures.

10.4 Laboratory Operations

In the laboratory, QC samples may include matrix spike and matrix spike duplicate (MS/MSD) samples, laboratory control samples (LCSs), surrogate spike samples, and method blanks, as well as other QC samples and procedures required by the individual methods.

10.5 Sample Containers, Preservations, and Handling

10.5.1 Preservation

Soil, water, and sediment samples will be collected in laboratory-supplied containers, as generally specified; see the summaries in Tables 1 through 3.

Soil samples for GRO and VOC analyses will be collected in 40-milliliter glass vials, using the USEPA 5035A Method. Other soil samples will be collected in glass jars. The soil and groundwater samples will be stored in iced coolers at approximately 4 °C. Sample containers will be supplied by the laboratory.

10.5.2 Sample Packaging and Shipping

Soil, groundwater, and sediment samples will be stored in iced shipping containers or a refrigerator designated for samples, and then transported to the analytical laboratory in containers. Air samples will be transported to the analytical laboratory in shipping containers or boxes.

10.6 Sample Custody

Sample custody will be tracked from point of origin through analysis and disposal, using a COC form, which will be filled out with the appropriate sample and analytical information after samples are collected.

The following items will be recorded on the COC form:

- Project name
- Project number
- MFA project manager
- Sampler name(s)
- Sample number, date and time collected, media, number of bottles submitted
- Requested analyses for each sample
- Type of data package required
- Turnaround requirements
- Signature, printed name, and organization name of persons having custody of samples, and date and time of transfer
- Additional instructions or considerations that would affect analysis (nonaqueous layers, archiving, etc.)

Persons in possession of the samples will be required to sign and date the COC form whenever samples are transferred between individuals or organizations. The COC will be included in the shipping containers. The laboratory will implement its in-house custody procedures, which begin when sample custody is transferred to laboratory personnel.

If samples are shipped via air or ground transportation (by a third party), the following custody procedures will be followed. The COC will be signed and custody will be relinquished to the carrier. The signed COC(s) will be packed in shipping containers with the samples, and a custody seal will be placed on the container. The shipping documentation will be used by the carrier to document custody of the package while it is in transit to the laboratory.

At the analytical laboratory, a designated sample custodian will accept custody of the samples and will verify that the COC form matches the samples received. The shipping container or set of

containers is given a laboratory identification number, and each sample is assigned a unique sequential identification number.

10.7 Instrumentation

10.7.1 Field Instrumentation

Field instruments will be used during the investigations. The following field equipment may require calibration before use and periodically during sampling activities:

- pH meter
- Conductivity meter
- Dissolved-oxygen meter
- Oxygen/reduction potential meter
- Turbidity meter
- Thermometer
- Photoionization detector
- Electronic water-level probe

Field-instrument calibration and preventive maintenance will follow the manufacturers' guidelines, and deviations from the established guidelines will be documented.

10.7.1.1 Field Calibration

Generally, field instruments should be calibrated daily before work begins. Field personnel may decide to calibrate more than once a day if inconsistent or unusual readings occur, or if conditions warrant more frequent calibration. Calibration activities should be recorded in logbooks or field notebooks. To ensure that field instruments are properly calibrated and remain operational, the following procedures will be used, at a minimum:

- Operation, maintenance, and calibration will be performed in accordance with the instrument manufacturers' specifications.
- Standards used to calibrate field instruments will meet the minimum requirements for source and purity recommended in the equipment operation manual. Standards will be checked for expiration dates that may be printed on the bottle. Standards that have expired should not be used.
- Acceptable criteria for calibration will be based on the limits set in the operations manual.
- Users of the equipment should be trained in the proper calibration and operation of the instrument.
- Operation and maintenance manuals for each field instrument should be available to persons using the equipment.

- Field instruments will be inspected before they are taken to the site.
- Field instruments will be calibrated at the start of each workday. Meters will be recalibrated, as necessary, during the work period.

Calibration procedures (including items such as time, standards used, and calibration results) should be recorded in a field notebook. The information should be available if problems are encountered.

10.7.1.2 Preventive Maintenance

Preventive maintenance of field instruments and equipment will follow the operations manuals. A schedule of preventive-maintenance activities should be followed to minimize downtime and ensure the accuracy of measurement systems. Maintenance will be documented in the field notebook.

10.7.2 Laboratory Instrumentation

Specific laboratory instrument calibration procedures, frequency of calibration, and preparation of calibration standards will be according to the method requirements as developed by the USEPA, following procedures presented in SW-846 (USEPA, 1986).

10.7.2.1 Laboratory Calibration and Preventive Maintenance

The laboratory calibration ranges specified in SW-846 (USEPA, 1986) will be followed.

Preventive maintenance of laboratory equipment will be the responsibility of the laboratory personnel and analysts. This maintenance includes routine care and cleaning of instruments and inspection and monitoring of carrier gases, solvents, and glassware used in analyses. The preventive-maintenance approach for specific equipment should follow the manufacturers' specifications, good laboratory practices, and industry standard techniques.

Precision and accuracy data will be examined for trends and excursions beyond control limits to determine evidence of instrument malfunction. Maintenance should be performed when an instrument begins to change, as indicated by the degradation of peak resolution, shift in calibration curves, decrease in sensitivity, or failure to meet any of the QC criteria.

10.8 Laboratory QA/QC Samples

The laboratory QC samples will be used to assess the accuracy and precision of the laboratory analysis. Each category of laboratory QA/QC will be performed by the laboratory as required by method-specific guidelines. The acceptance criteria presented in the guidelines will be adhered to and samples that do not meet the criteria will be reanalyzed or qualified, as appropriate.

10.8.1 Calibration Verification

Instruments will initially be calibrated at the start of the project or sample run, as required, and when any ongoing calibration does not meet control criteria. The number of points used in the initial

calibration is defined in the analytical method. Calibration will be continued as specified in the analytical method to track instrument performance. If a continuing calibration does not meet control limits, analysis of project samples will be suspended until the source of the control failure is either eliminated or reduced to within control specifications.

10.8.2 Matrix Spike/Matrix Spike Duplicate

MS samples are analyzed to assess the matrix effects on the accuracy of analytical measurements. MS/MSD samples will be prepared by spiking investigative samples with known amounts of analytes before extraction and preparation and analysis. The recoveries for the MS/MSD samples will be used to assess the accuracy and precision in the analytical method by measuring how well the analytical method recovers the target compounds in the investigative matrices. For each matrix type, at least one set of MS/MSD samples will be analyzed for each batch of samples (consisting of 20 or fewer samples) received.

10.8.3 Method Blanks

Method blanks are prepared using analyte-free (reagent) water and are processed with the same methodology (e.g., extraction, digestion) as the associated investigative samples. Method blanks are used to document contamination resulting in the laboratory from the analytical process. A method blank shall be prepared and analyzed in every analytical batch. The method blank results are used to verify that reagents and preparation do not impart unacceptable bias to the investigative sample results. The presence of analytes in the method blank sample will be evaluated against method-specific thresholds. If analytes are present in the method blank above the method-specific threshold, corrective action will be taken to eliminate the source of contamination before proceeding with analysis. Investigative samples of an analytical batch associated with method blank results outside acceptance limits will be qualified, as appropriate, by the data validation contractor.

10.8.4 Laboratory Control Samples

LCSs are prepared by spiking laboratory-certified, reagent-grade water with the analytes of interest or a certified reference material that has been prepared and analyzed. The result for percent recovery of the LCS is a data quality indicator of the accuracy of the analytical method and laboratory performance.

10.8.5 Laboratory Duplicate Samples

Laboratory duplicate samples (LDSs) are prepared by the laboratory by splitting an investigative sample into two separate aliquots and performing separate sample preparation and analysis on each aliquot. The results for relative percent difference of the primary investigative sample and the respective LDSs are used to measure precision in the analytical method and laboratory performance. For nonaqueous matrices, sample heterogeneity may affect the measured precision for the LDSs.

10.9 Field QC

The following samples will be prepared by the sampling personnel in the field and will be submitted to the laboratory:

- **Equipment Rinsate Blanks**—To ensure that decontamination procedures are sufficient, an equipment rinsate blank will be collected when nondedicated, nondisposable equipment is used. At least one equipment rinsate blank will be collected for every 20 samples collected. If more than 20 samples are collected with the same equipment, or if high concentrations of contaminants are encountered, additional equipment rinsate blanks may be collected. Equipment rinsate blanks will be collected by passing laboratory deionized/distilled water through or over nondisposable sampling equipment.
- **Trip Blanks**—A trip blank monitors the potential for sample contamination during sample collection and transport. A trip blank consists of reagent-grade water in a new sample container, which is prepared at the same time as the sample containers. The trip blank will accompany the samples throughout collection, shipment, and storage. At least one trip blank should be included with each cooler in which samples for VOC analyses are stored.
- **Field Duplicates**—Field duplicates are collected to measure sampling and laboratory precision. At least one duplicate sample will be collected for every 20 samples.

10.10 Data Reduction, Validation, and Reporting

The analytical laboratory will submit analytical data packages that include laboratory QA/QC results to permit independent and conclusive determination of data quality. MFA will determine the data quality, using the data evaluation procedures described in this section. The results of the MFA evaluation will be used to determine if the project data quality objectives are met.

10.10.1 Field Data Reduction

Daily internal QC checks will be performed for field activities. Checks will consist of reviewing field notes and field activity memoranda to confirm that the specified measurements, calibrations, and procedures are being followed. The need for corrective action will be assessed on an ongoing basis, in consultation with the project manager.

10.10.2 Laboratory Evaluation

Initial data reduction, evaluation, and reporting at the analytical laboratory will be carried out as described in USEPA SW-846 manuals for analyses (USEPA, 1986), as appropriate. Additional laboratory data qualifiers may be defined and reported to further explain the laboratory's QC concerns about a particular sample result. Additional data qualifiers will be defined in the laboratory's case narrative reports.

10.10.3 Data Deliverables

Laboratory data deliverables are listed below. Electronic deliverables will contain the same data that are presented in the hard-copy report.

- Transmittal cover letter
- Case narrative
- Analytical results
- COC
- Surrogate recoveries
- Method blank results
- MS/MSD results
- Laboratory duplicate results

10.10.4 MFA Evaluation

10.10.4.1 Data QA/QC Review

MFA will evaluate the laboratory data for precision, completeness, accuracy, and compliance with the analytical method. MFA will review data according to applicable sections of USEPA organics and inorganics procedures (USEPA, 2008, 2010), as well as appropriate laboratory, method-specific guidelines (USEPA, 1986).

Data qualifiers, as defined by the USEPA, are used to classify sample data according to their conformance to QC requirements. Common qualifiers are listed below:

- J—Estimate, qualitatively correct but quantitatively suspect.
- R—Reject, data not suitable for any purpose.
- U—Not detected at a specified reporting limit.

Poor surrogate recovery, blank contamination, or calibration problems, among other things, can require qualification of the sample data. When sample data are qualified, the reasons for the qualification should be stated in the data evaluation report.

QC criteria not defined in the guidelines for evaluating analytical data are adopted, where appropriate, from the analytical method.

The following information will be reviewed during data evaluation, as applicable:

- Sampling locations and blind sample numbers
- Sampling dates
- Requested analysis
- COC documentation
- Sample preservation

- Holding times
- Method blanks
- Surrogate recoveries
- MS/MSD results
- Laboratory duplicates (if analyzed)
- Field duplicates
- Field blanks
- LCSs
- Method reporting limits above requested levels
- Additional comments or difficulties reported by the laboratory
- Overall assessment

The results of the data evaluation review will be summarized for each data package. Data qualifiers will be assigned to sample results on the basis of USEPA guidelines, as applicable.

10.10.4.2 Data Management and Reduction

MFA uses a database (e.g., EQuIST™) to manage laboratory data. The laboratory will provide the analytical results in electronic, EQuIS-compatible format. Following data evaluation, data qualifiers will be entered into the database.

Data may be reduced to summarize particular data sets and to aid interpretation of the results. Statistical analyses may also be applied to results. Data reduction QC checks will be performed on hand-entered data, calculations, and data graphically displayed. Data may be further reduced and managed using one or more of the following computer software applications:

- Microsoft Excel (spreadsheet)
- EQuIS (database)
- Microsoft Access (database)
- AutoCad and/or Arc GIS (graphics)
- USEPA ProUCL (statistical software)

11 REPORTING

After the data are received, MFA will generate a data report, which will summarize and screen the data against the applicable criteria. All analytical data will be uploaded to Ecology's Environmental Information Management database within 30 days of receipt of validated data.

LIMITATIONS

The services undertaken in completing this plan were performed consistent with generally accepted professional consulting principles and practices. No other warranty, express or implied, is made. These services were performed consistent with our agreement with our client. This plan is solely for the use and information of our client unless otherwise noted. Any reliance on this plan by a third party is at such party's sole risk.

Opinions and recommendations contained in this plan apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, or the use of segregated portions of this plan.

REFERENCES

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TABLES



**Table 1
Soil Sample Handling Summary
Former Geddes Marina Property
Marysville, Washington**

Analyte	Method	Suggested Volume	Container	Number of Containers	Preservative	Storage Temperature	Holding Time from Collection
Total Petroleum Hydrocarbons—Diesel and Residual Oil	NWTPH-Dx	4 ounces	Glass Jar	1	none	4 degrees C	14 days
Total Petroleum Hydrocarbons—Gasoline	NWTPH-Gx	5035 Sample Kit	VOA/Glass Jar	1 5035 Sample Kit	5035 Sample Kit	4 degrees C	14 days
Benzene, Toluene, Ethylbenzene, and Xylenes	USEPA 8021	4 ounces	Glass Jar	1	none	4 degrees C	14 days
Total Metals	USEPA 6020	4 ounces	Glass Jar	1	none	4 degrees C	six months
Mercury	USEPA SW7471	4 ounces	Glass Jar	1	none	4 degrees C	28 days
PAHs	USEPA 8270 SIM	4 ounces	Glass Jar	1	none	4 degrees C	14 days
VOCs	USEPA 8260B	5035 Sample Kit	VOA/Glass Jar	1 5035 Sample Kit	5035 Sample Kit	4 degrees C	14 days
1,2-dibromoethane	USEPA 8260B SIM	5035 Sample Kit	VOA/Glass Jar	1 5035 Sample Kit	5035 Sample Kit	4 degrees C	14 days
<p>NOTES:</p> <p>5035 Sample Kit consists of two prepared 40-milliliter VOAs with 5 milliliters of sodium bisulfate, two prepared 40-milliliter VOAs with 5 milliliters of methanol, OR two prepared, capped soil plungers; and one 2-ounce jar for moisture content determination.</p> <p>Total metals are antimony, arsenic, cadmium, copper, lead, mercury, tin, and zinc.</p> <p>C = Celsius.</p> <p>NWTPH = Northwest Total Petroleum Hydrocarbons.</p> <p>PAH = polycyclic aromatic hydrocarbon.</p> <p>SIM = selective ion monitoring.</p> <p>SVOC = semivolatile organic compound.</p> <p>SW = solid waste.</p> <p>USEPA = U.S. Environmental Protection Agency.</p> <p>VOA = volatile organic analysis vial.</p> <p>VOC = volatile organic compound.</p>							

Table 2
Groundwater Sample Handling Summary
Former Geddes Marina Property
Marysville, Washington

Analyte	Method	Suggested Volume	Container	Number of Containers	Preservative	Storage Temperature	Holding Time from Collection
Gasoline-range organics	NWTPH-Gx	40 milliliter	VOA	3	HCL pH < 2	4 degrees C	14 days
Diesel- and residual-range organics	NWTPH-Dx	125 milliliter	Amber Glass	1	HCL pH < 2	4 degrees C	14 days
Benzene, Toluene, Ethylbenzene, and Xylenes	USEPA 8021	40 milliliter	VOA	2	HCL pH < 2	4 degrees C	14 days
Total and dissolved metals	USEPA 6020	500 milliliter	Polyethylene	1	HNO ₃ pH < 2	4 degrees C	six months
VOCs	USEPA 8260C	40 milliliter	VOA	3	HCL pH < 2	4 degrees C	14 days
PAHs	USEPA 8270	1 liter	Amber Glass	2	none	4 degrees C	7 days
EDB	USEPA 8011	40 milliliter	VOA	3	none	4 degrees C	7 days

NOTES:

Total metals are antimony, arsenic, cadmium, copper, lead, mercury, tin, and zinc.

C = Celsius.

EDB = 1,2-dibromoethane.

HCL = hydrochloric acid.

HNO₃ = nitric acid.

NWTPH = Northwest Total Petroleum Hydrocarbons.

PAH = polycyclic aromatic hydrocarbon.

USEPA = U.S. Environmental Protection Agency.

VOA = volatile organic analysis vial.

VOC = volatile organic compound.

**Table 3
Sediment Sample Handling Summary
Former Geddes Marina Property
Marysville, Washington**

Sample Type	Sediment Samples			
	Hold Time (4°C)	Hold Time on Archive (-18°C)	Preservative	Method
SVOAs	14 days	one year	None	USEPA 8270
PCBs	14 days	one year	None	USEPA 8082
Metals except mercury	six months	two years	None	USEPA 200.8/6010
Mercury	28 days	N/A	None	USEPA 7471
TOC	14 days	six months	None	Plumb
Diesel-range organics	14 days	one year	None	NWTPH-Dx
Butyltins	14 days	one year	None	Krone (1989)/GCMS
Grain Size	six months	N/A	None	PSEP
Archiving	14 days	--	None	Frozen upon receipt at laboratory
<p>NOTES:</p> <p>-- = not analyzed in this matrix.</p> <p>°C = degrees centigrade.</p> <p>GC/MS = gas chromatography/mass spectrometry.</p> <p>N/A = not applicable.</p> <p>PCB = polychlorinated biphenyl.</p> <p>PSEP = Puget Sound Estuary Program.</p> <p>SVOA = semivolatile analyte.</p> <p>TOC = total organic carbon.</p> <p>USEPA = U.S. Environmental Protection Agency.</p>				

Table 4
Sediment SMS Marine Criteria and Limits of Quantitation
Former Geddes Marina Property
Marysville, Washington

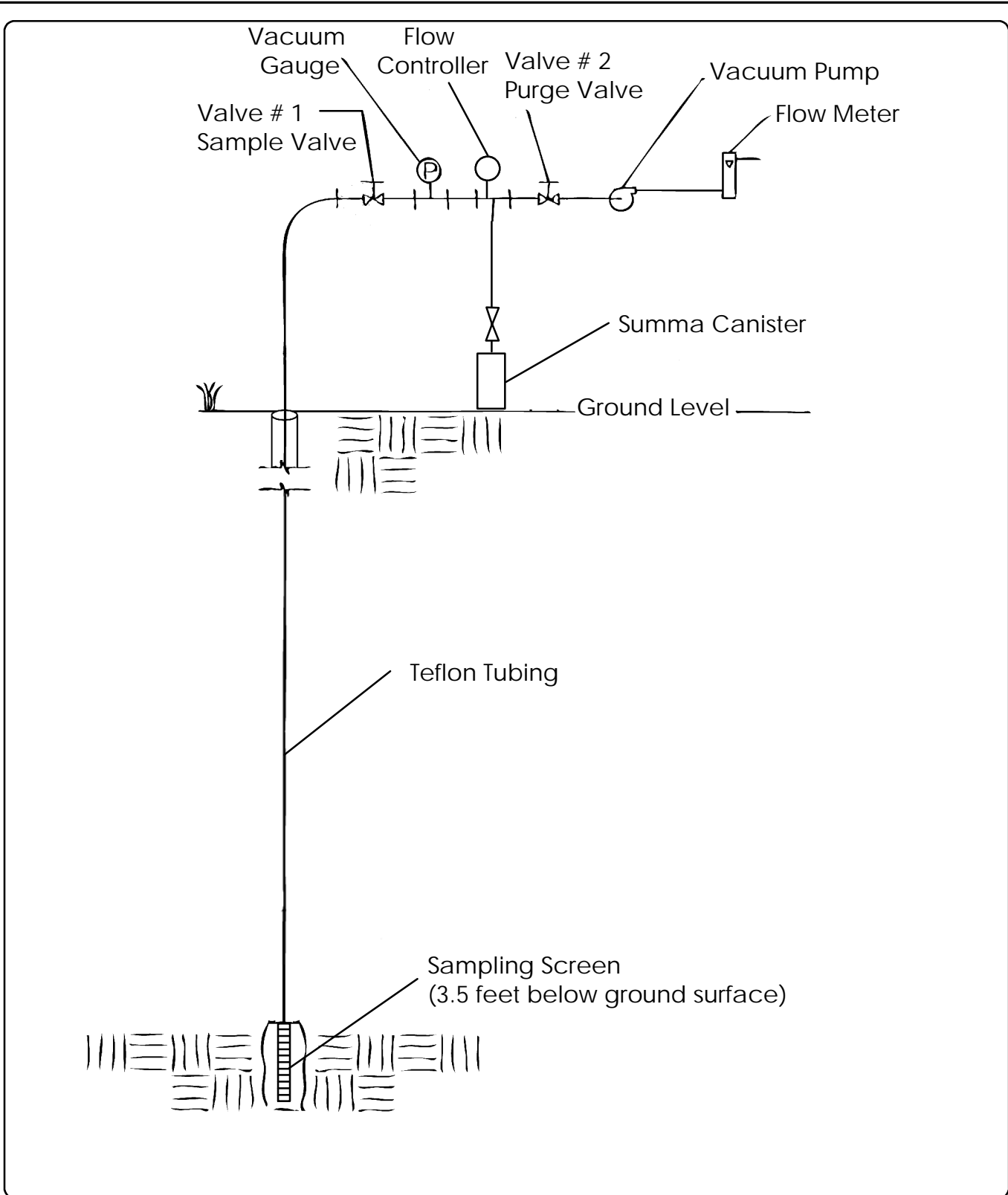
Chemical Parameter	SQS	SIZ _{max} , CSL, MCUL	LOQ
Metals (mg/kg - wet weight)			
Arsenic	57	93	5.0
Cadmium	5.1	6.7	0.2
Chromium	260	270	0.5
Copper	390	390	0.2
Lead	450	530	2.0
Mercury	0.41	0.59	0.025
Nickel ¹	26	110	1.0
Selenium ¹	11	>20	5.0
Silver	6.1	6.1	0.3
Zinc	410	960	1.0
Organic Chemicals (mg/kg - organic carbon)			
Total LPAH	370	780	NA
Naphthalene	99	170	0.02
Acenaphthylene	66	66	0.02
Acenaphthene	16	57	0.02
Fluorene	23	79	0.02
Phenanthrene	100	480	0.02
Anthracene	220	1,200	0.02
2-methylnaphthalene	38	64	0.02
Total HPAH	960	5,300	NA
Fluoranthene	160	1,200	0.02
Pyrene	1,000	1,400	0.02
Benz(a)anthracene	110	270	0.02
Chrysene	110	460	0.02
Total benzofluoranthenes	230	450	0.04
Benzo(a)pyrene	99	210	0.02
Indeno (1,2,3-c,d)pyrene	34	88	0.02
Dibenzo(a,h)anthracene	12	33	0.02
Dibenzo(g,h,i)perylene	31	78	0.02
1,2-dichlorobenzene	2.3	2.3	0.02
1,4-dichlorobenzene	3.1	9	0.02
1,2,4-trichlorobenzene	0.81	1.8	0.02
Hexachlorobenzene	0.38	2.3	0.02
Dimethyl phthalate	53	53	0.02
Diethyl phthalate	61	110	0.02
Di-n-butyl phthalate	220	1,700	0.02
Butyl-benzyl phthalate	4.9	6.4	0.02
bis(2-ethylhexyl)phthalate	47	78	0.02
Di-n-octyl phthalate	58	4,500	0.02
Dibenzofuran	15	58	0.02
Hexachlorobutadiene	3.9	6.2	0.02
n-Nitrosodiphenylamine	11	11	0.02
Total PCBs	12	65	0.231

Table 4
Sediment SMS Marine Criteria and Limits of Quantitation
Former Geddes Marina Property
Marysville, Washington

Chemical Parameter	SQS	SIZ _{max} , CSL, MCUL	LOQ
Organic Chemicals (ug/kg - dry weight)			
Monobutyltin ^{1,2}	540	>4,800	4.08
Dibutyltin ^{1,2}	910	130,000	4.33
Tributyltin ^{1,2}	47	320	3.86
Tetrabutyltin ^{1,2}	97	>97	N/A
Bulk Petroleum Hydrocarbons (mg/kg - dry weight)			
Diesel-range Organics ¹	340	510	5
Heavy oil-range organics ¹	3,600	4,400	10
PCDDs/PCDFs and PCBs Congeners (ng/kg - dry weight)			
PCDDs/PCDFs congeners	NV	NV	1 to 10
Ionizable Organic Compounds (ug/kg - dry weight)			
Phenol	420	1,200	20
2-methylphenol	63	63	20
4-methylphenol	670	670	20
2,4-dimethylphenol	29	29	25
Pentachlorophenol	360	690	200
Benzyl Alcohol	57	73	20
Benzoic Acid	650	650	400
NOTES: ¹ Marine criteria are not available, freshwater criteria area shown. ² Organotins will only be analyzed if analysis of sample S-13 is triggered. CSL = cleanup screening level. HPAH = high molecular weight polycyclic aromatic hydrocarbon. LOQ = limit of quantitation. LPAH = low molecular weight polycyclic aromatic hydrocarbon. MCUL = minimum cleanup level. mg/kg = milligrams per kilogram. µg/kg = micrograms per kilogram. NA=not applicable. NV = no value. PCB = polychlorinated biphenyl. SIZ _{max} = Sediment Impact Zone maximum allowable concentration (WAC 173-204-420). SQS = Sediment Quality Standards (WAC 173-294-320). WAC = Washington Administrative Code.			

FIGURES





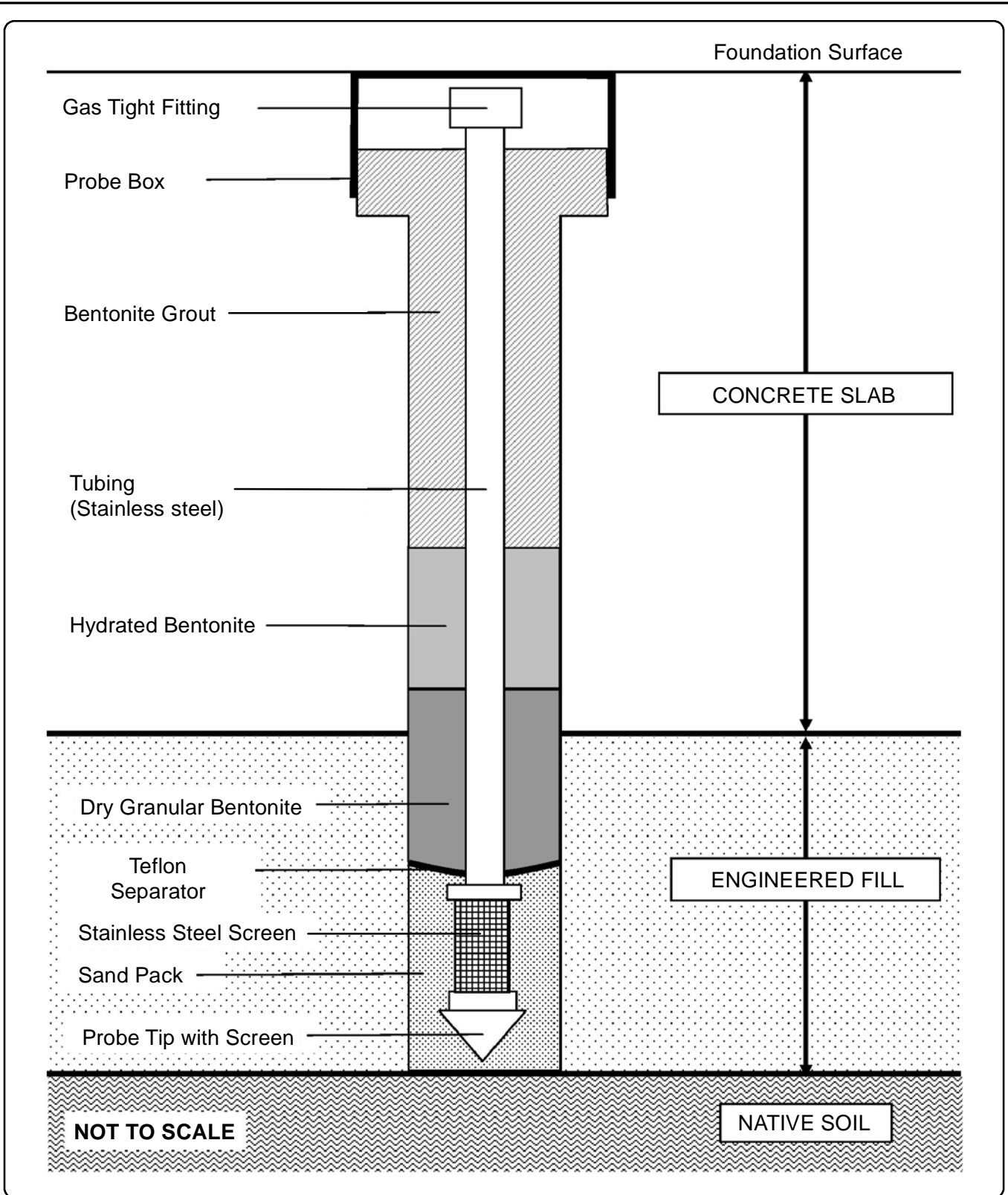
Source: CH2MHill, Corvallis Applied Sciences Laboratory

Figure 1
Soil Gas/Evacuated
Sampler System

Geddes Marina Property
Marysville, Washington



This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.



Source: State of California Vapor Intrusion Document
October 2011 (DTSC - Cal/EPA).

Figure 2
Schematic Diagram of a
Subslab Sampling Probe

Geddes Marina Property
Marysville, Washington



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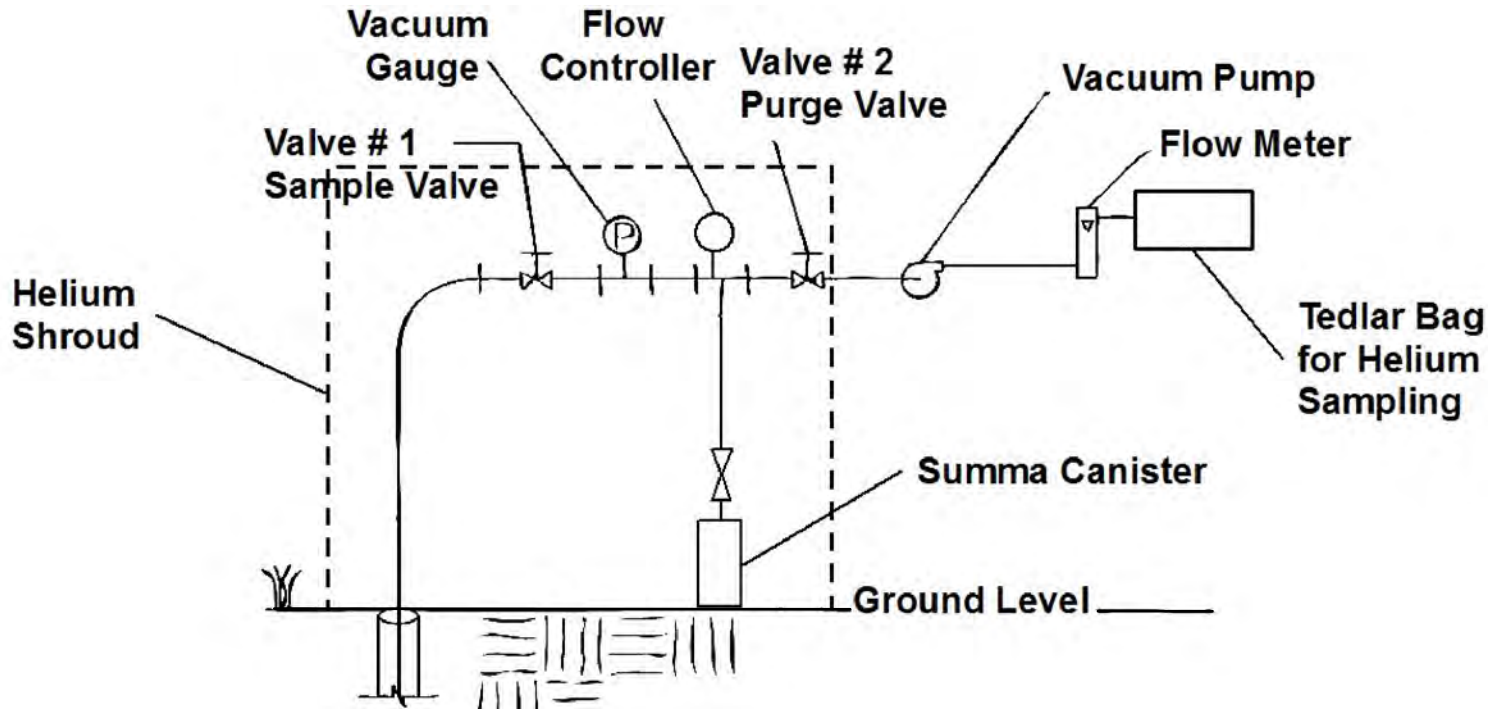


Figure 3
Subslab Soil Gas
Evacuated Sampler System
Ground Level
Geddes Marina Property
Marysville, Washington

Source: CH2MHill, Corvallis Applied Sciences Laboratory

APPENDIX A

BORING LOG FORM





Boring/Well No.:

Boring Log Form

Site:

Location:

Project #:

Drill Rig		MFA Staff:		Hole Dia:		Total Depth:	
Drilling Co.:				Water Level:		WLE Note:	
Start Date:		End Date:		Water Level:		WLE Note:	

Completion	Sample			Lithology			
	Top:	Time:	Depth:	Soil Type:		Color:	
Length:			Top:	Fines:			Moisture:
Type:	Sample ID		Bottom:	Sand:			PID:
% Recov:			Soil Class:	Gravel:			Line Type:
			Trace:	Impacts:			
			Notes:				
Top:	Time:	Depth:	Soil Type:		Color:		
Length:			Top:	Fines:			Moisture:
Type:	Sample ID		Bottom:	Sand:			PID:
% Recov:			Soil Class:	Gravel:			Line Type:
			Trace:	Impacts:			
			Notes:				
Top:	Time:	Depth:	Soil Type:		Color:		
Length:			Top:	Fines:			Moisture:
Type:	Sample ID		Bottom:	Sand:			PID:
% Recov:			Soil Class:	Gravel:			Line Type:
			Trace:	Impacts:			
			Notes:				
Top:	Time:	Depth:	Soil Type:		Color:		
Length:			Top:	Fines:			Moisture:
Type:	Sample ID		Bottom:	Sand:			PID:
% Recov:			Soil Class:	Gravel:			Line Type:
			Trace:	Impacts:			
			Notes:				
Top:	Time:	Depth:	Soil Type:		Color:		
Length:			Top:	Fines:			Moisture:
Type:	Sample ID		Bottom:	Sand:			PID:
% Recov:			Soil Class:	Gravel:			Line Type:
			Trace:	Impacts:			
			Notes:				

Borehole Notes:

APPENDIX B

FIELD SAMPLING DATA SHEET FORMS



Maul Foster & Alongi, Inc.

7223 NE Hazel Dell Avenue, Suite B, Vancouver, WA 98665 (360) 694-2691 Fax. (360) 906-1958

Soil Field Sampling Data Sheet

Client Name		Sample Location					
Project Number		Sampler					
Project Name		Sampling Date					
Sampling Event		Sample Name					
Sub Area		Sample Depth					
FSDS QA:		Easting		Northing		TOC	

Sample Information

Sampling Method	Sample Type	Sample Category	PID/FID	Sampling Time	Container Code	#
(1) Backhoe	Liquid	Composite			2 oz. soil	
					4 oz. soil	
					8 oz. soil	
					Other	
					Total Containers	0

Sample Description:

General Sampling Comments

Sampling Method Code:

(1) Backhoe, (2) Hand Auger, (3) Drill Bit Cutting Head, (4) Geoprobe, (5) Split Spoon, (6) Shelby Tube, (7) Grab, (8) Other (Specify)

Signature _____

Maul Foster & Alongi, Inc.

7223 NE Hazel Dell Avenue, Suite B, Vancouver, WA 98665 (360) 694-2691 Fax. (360) 906-1958

Water Field Sampling Data Sheet

Client Name		Sample Location	
Project #		Sampler	
Project Name		Sampling Date	
Sampling Event		Sample Name	
Sub Area		Sample Depth	
FSDS QA:		Easting	<input style="width: 50px;" type="text"/>
		Northing	<input style="width: 50px;" type="text"/>
		TOC	<input style="width: 50px;" type="text"/>

Hydrology/Level Measurements

Date	Time	DT-Bottom	DT-Product	DT-Water	(Product Thickness)	(Water Column)	(Gallons/ft x Water Column)
					DTP-DTW	DTB-DTW	Pore Volume

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	Time	Purge Vol (gal)	Flowrate l/min	pH	Temp (C)	E Cond (uS/cm)	DO (mg/L)	EH	Turbidity
Final Field Parameters									

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations:

Sample Information

Sampling Method	Sample Type	Sampling Time	Container Code/Preservative	#	Filtered
	Groundwater		VOA-Glass		
			Amber Glass		
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly		
			Total Bottles	0	

General Sampling Comments

Signature _____

APPENDIX B

THE RILEY GROUP, INC. 2000 UST SITE ASSESSMENT
SHANNON & WILSON, INC. 2000 UNDERGROUND
STORAGE TANK EXCAVATION SOIL SAMPLING RESULTS
ASSOCIATED EARTH SCIENCES, INC. 2010 PHASE I
ENVIRONMENTAL SITE ASSESSMENT
ASSOCIATED EARTH SCIENCES, INC. 2010 PHASE II
ENVIRONMENTAL SITE ASSESSMENT





The Riley Group, Inc.

Geotechnical Engineering • Environmental Earth Sciences • Materials Testing Laboratory

April 10, 2000

Mr. Ed Geddes
Geddes Marine Sales
1326 First Street
Marysville, Washington 98270

**RE: UST Site Assessment Letter Report
Geddes Marine Sales
1326 First Street
Marysville, Washington 98270
Project #2000-33**

Dear Mr. Geddes:

This letter report presents The Riley Group, Inc.'s (Riley) site assessment findings for a single abandoned underground storage tank (UST) located at the Geddes Marine Sales (site) property in Marysville, Washington.

In January of 2000, Riley was contracted to perform a Transaction Screen site assessment at the site. During the Transaction Screen site visit, one abandoned gasoline UST was identified at the site. The UST reportedly has a maximum capacity of 500 gallons, and was used at the site to fuel the boat lift, delivery trucks, and tractors. Riley understands that the UST was closed in-place and filled with a sand slurry in approximately 1975. It is unknown whether soil sampling was performed in the vicinity of the UST during or following UST closure. Geddes Marine Sales contracted Riley to perform an additional investigation to establish the status of soil and groundwater in the vicinity of the UST. This investigation was performed to evaluate environmental concerns regarding the UST identified in our Transaction Screen report. For a more details regarding our findings, please refer to our *Transaction Screen Report* dated January 21, 2000.

The objectives of this project were to determine if:

- Subsurface soil adjacent to and beneath the abandoned UST has been affected by a historic release petroleum hydrocarbons;
- Compare concentrations of the contaminants of concern (petroleum hydrocarbons, gasoline) in soil, if any, to the Washington State Department of Ecology (Ecology) Model Toxics Control Act (MTCA) routine Method A Soil Cleanup Regulations (173-340-740); and to
- Prepare a final UST Site Assessment report. The report will present Riley's findings, conclusions, and recommendations, if any.

EXHIBIT 5

This work was performed in general accordance with our *UST Site Assessment* proposal dated February 16, 2000. Riley was authorized to perform the work by Mr. Ed Geddes on February 17, 2000.

SITE LOCATION & DESCRIPTION

The subject site is located at 1326 First Street, north of the Ebey Slough waterway in Marysville, Washington (Figure 1). The property is currently owned and occupied by Geddes Marine Sales, a boat and equipment retail business.

UST LOCATION AND DESCRIPTION

The abandoned UST is located approximately five feet north of the northwest corner of the retail building. A former gasoline pump island foundation is located adjacent to the building and is connected to the UST via steel product piping (Figure 2).

Prior to Riley's arrival on site, Mr. Geddes removed soil above the UST where accessible. Removal of surficial soil indicated that the UST is orientated east-west and is covered with a concrete slab. The majority of the UST was buried beneath a strip of asphalt paving that runs in front of the building. Approximately one foot of the concrete slab overlying the UST was visible; the remaining portion of the slab was buried beneath overlying asphalt pavement. Inspection of the fill port suggested that the UST had been filled with a sand slurry.

Washington regulates all USTs used to store gasoline fuel with the exception farm or residential USTs (<1,000 gallons), and USTs with a capacity of less than 100 gallons. Because the UST has a capacity of 500 gallons, it is regulated under Washington UST regulations (Chapter 173-360 WAC), including associated assessment, closure and reporting requirements.

UST SITE ASSESSMENT

On February 22, 2000 Riley advanced a total of three borings (HA-1 to HA-3) adjacent to the abandoned UST system. Borings were advanced to a maximum depth of 6 feet below ground surface (BGS) utilizing a hand auger. Borings HA-1 and HA-2 were advanced north and south of the exposed portion of the UST and near the fill port, respectively. Boring HA-3 was advanced south of and adjacent to the former fuel dispenser location. Riley attempted two additional borings west of the UST but encountered refusal at two feet BGS.

SUBSURFACE CONDITIONS

Soils intercepted in all borings generally consisted of gravelly silty sand from grade to approximately 4 feet BGS. From 4 to 5 feet BGS a layer of organic material and wood was encountered. This organic layer was underlain by a clayey silt layer.

Groundwater was encountered in all borings at approximately 4 feet BGS.

SAMPLING & FIELD SCREENING RESULTS

A total of seven discrete soil samples were collected during this project. Samples were collected from the hand auger at approximate 1 to 2-foot intervals. In addition, one

groundwater grab sample was collected from boring HA-2 using a clean, disposable hand bailer.

All soil samples were field screened for the presence of volatile organic compounds (VOCs) using a portable gas analyzer equipped with a photoionization detector (PID). The PID is useful for detecting VOCs typically associated with petroleum hydrocarbons.

Soil samples had VOC concentrations ranging from non-detect (ND) to 58 parts per million (ppm). The highest VOC concentration was detected in a soil sample collected from the boring HA-2 at 5 feet BGS.

Soil discoloration, moderate to heavy petroleum sheens, and petroleum odors were detected in soil samples collected from borings HA-1 and HA-2. Petroleum contamination was generally encountered at depths of between 3 to 6 feet BGS. No odors, staining, or sheens were observed in soil samples collected from boring HA-3.

Samples were placed in a chilled cooler for transport to the analytical laboratory. Samples were submitted to CCI Laboratories, Inc. of Everett, Washington for laboratory analysis.

Laboratory Analytical Test Methods

One worst-case soil sample from boring HA-2 (HA2-5.0) was analyzed to determine the presence of gasoline, diesel, and oil-range petroleum hydrocarbons using Ecology Test Method NWTPH-HCID. Based on the laboratory's interpretation of the sample chromatograph used in the HCID analysis, weathered gasoline was identified in the sample.

A total of three discrete soil samples were selected for laboratory analysis based on field screening results. Based on the identification of gasoline range petroleum indicated in HCID results, these samples were analyzed to determine the respective concentrations of gasoline range petroleum hydrocarbons using Ecology Test Method NWTPH-Gx/BTEX.

In addition, one groundwater grab sample was analyzed to determine the concentration of gasoline range petroleum hydrocarbons using Ecology Test Method NWTPH-Gx/BTEX.

Results of Laboratory Analysis

Laboratory analytical results are presented in Tables 1 and 2 are summarized below. Copies of the laboratory analytical report and chain of custody are included in Appendix A.

Petroleum hydrocarbons were detected in the analyzed soil samples at concentrations ranging from ND to 3,900 milligrams per kilogram (mg/kg) for total petroleum hydrocarbons (TPH) as gasoline, ND to 1.8 mg/kg for benzene, ND to 8.3 mg/kg for toluene, ND to 47 mg/kg for ethylbenzene, and ND to 260 mg/kg for total xylenes.

The groundwater sample collected from boring HA-2 contained detectable concentrations of petroleum hydrocarbons at a concentration of 26,000 micrograms per

liter (ug/l) for TPH as gasoline, 260 ug/l for benzene, 170 ug/l for ethylbenzene, 870 ug/l for toluene, and 4,600 ug/l for total xylenes.

CONCLUSIONS & RECOMMENDATIONS

Gasoline range petroleum hydrocarbons were present in soil and groundwater in the vicinity of the abandoned UST at concentrations exceeding Ecology's MTCA Method A soil and groundwater cleanup levels (WAC 173-340-720 & 740).

Soil samples collected from the boring adjacent to the former gasoline pump dispenser did not have detectable concentrations of petroleum hydrocarbons.

Data suggests that the UST has released petroleum hydrocarbons to the subsurface environment. The lateral and vertical extent of petroleum hydrocarbon affected soil and groundwater has not been determined.

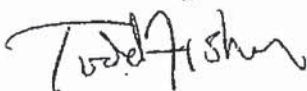
Riley recommends that an additional investigation be performed at the site to determine both the extent and magnitude of petroleum hydrocarbon-affected soil and groundwater. This additional work should be performed following removal of the UST.

In addition, in accordance with petroleum release requirements, UST owners and operators are required to report confirmed releases to Ecology within 24 hours of discovery.

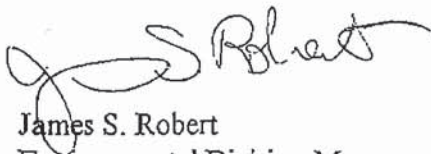
Please contact us at (206) 417-0810, or by fax (206) 417-0552, if you have any questions or need additional information.

Sincerely,

THE RILEY GROUP, INC.

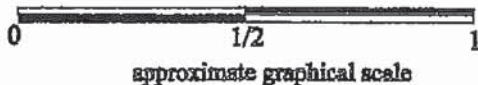
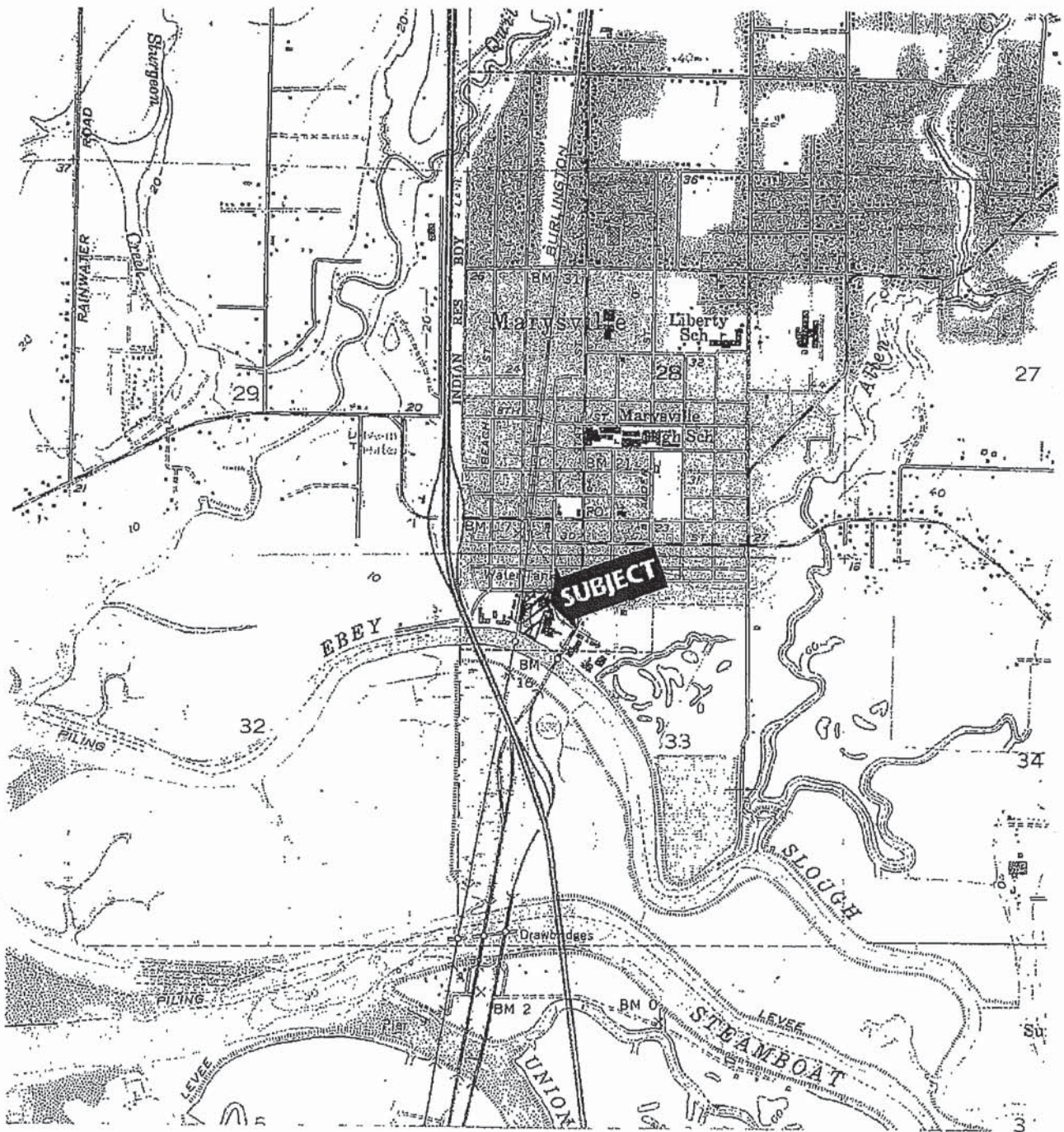


Todd Fisher
Project Geologist



James S. Robert
Environmental Division Manager

Attachments: *Figures 1 & 2*
Tables 1 & 2
Analytical Laboratory Report



SCALE 1: 24 000
CONTOUR INTERVAL 20 FEET

USGS 7.5 X 15 MINUTE QUADRANGLE
MARYSVILLE - WA, REVISED 1973



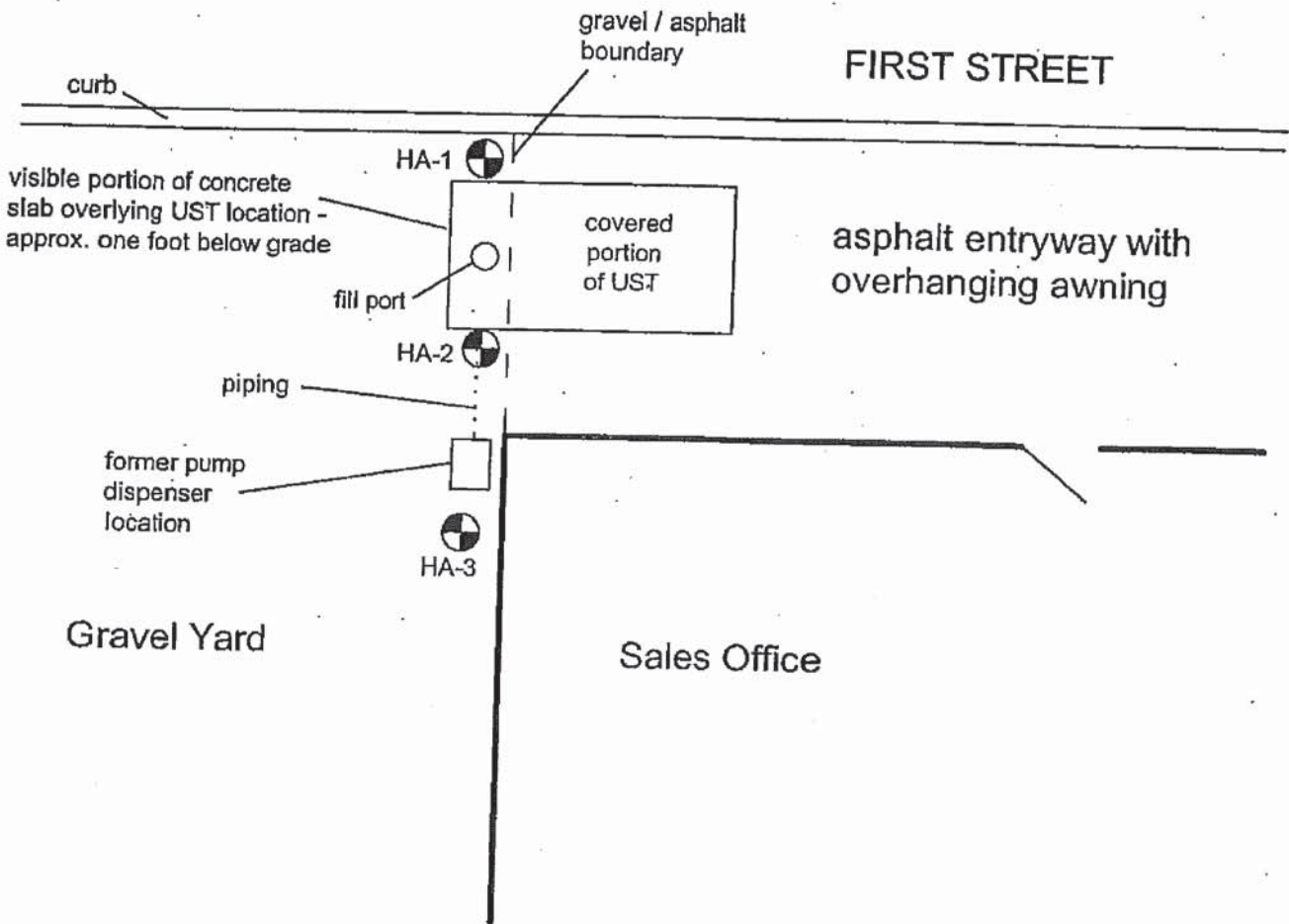
The Riley Group, Inc.
10728 LAKE CITY WAY NE
SEATTLE, WASHINGTON 98125

Geddes Marine Sales Property

Site Vicinity Map

Figure 1

Site Address: 1326 First Street, Marysville, Washington 98270



DRAWING NOT TO SCALE



The Riley Group, Inc.
 10728 LAKE CITY WAY NE
 SEATTLE, WASHINGTON 98125

Geddes Marine Sales Property

UST & Boring Location Map

Figure 2

Site Address: 1326 First Street, Marysville, Washington 98270

Table 1. Summary of Analytical Results for Subsurface Soil Samples Collected In Vicinity of Closed UST System - Geddes Marine Sales, Marysville, WA.

Sample ID	Sample Depth	PID (ppm)	HCID			NWTPH-Gx/BTEX TPH				
			Gas	Diesel	Oil	Gasoline	B	T	E	X
HA1-5.0	5	30	---	---	---	---	---	---	---	---
HA1-6.0	6	30	---	---	---	79	1.8	0.2	1.7	10
HA1-6.5	6.5	30	---	---	---	---	---	---	---	---
HA2-4.5	4.5	58	---	---	---	---	---	---	---	---
HA2-5.0	5	60	GAS	ND<50	ND<100	3,900	ND<3	8.3	47	260
HA2-6.0	6	5	---	---	---	---	---	---	---	---
HA3-6.0	6	0	---	---	---	ND < 6.0	ND < 0.1	ND < 0.1	ND < 0.1	ND < 0.3
Existing MTCA	---	---	---	---	---	100	0.5	20	40	20

Samples collected by The Riley Group, Inc. on February 22, 2000. All samples collected as discrete samples.

PID, photo-ionization detector calibrated to benzene with 100 ppm isobutylene.

HCID, Hydrocarbon Identification, determined by Ecology Test Method NWTPH-HCID.

Gasoline TPH/BTEX determined by Ecology Test Method NWTPH-Gx/BTEX.

BTEX, Benzene, Toluene, Ethyl Benzene, and Xylene.

TPH, total petroleum hydrocarbons.

ND, non-detect, contaminant not detected at noted analytical detection limit.

All results and detection limits given in ppm, parts per million (mg/kg soil).

---, not analyzed or not applicable.

Existing MTCA, Current Washington Department of Ecology Model Toxics Control Act Method A Soil Cleanup Levels (WAC 173-340-740).

Table 2. Summary of Analytical Results for Groundwater Grab Sample Collected From Boring HA-2, Geddes Marine Sales, Marysville, WA.

Sample ID	Sample Depth	HCID			NWTPH-Gx/BTEX TPH				
		Gas	Diesel	Oil	Gasoline	B	T	E	X
HA2-H20	3	---	---	---	26,000	260	170	870	4,600
Existing MTCA	---				1,000	5.0	40	30	20

Samples collected by The Riley Group, Inc. on February 22, 2000. All samples collected as discrete samples.

HCID, Hydrocarbon Identification, determined by Ecology Test Method NWTPH-HCID.

Gasoline TPH/BTEX determined by Ecology Test Method NWTPH-Gx/BTEX.

BTEX, Benzene, Toluene, Ethyl Benzene, and Xylene.

TPH, total petroleum hydrocarbons.

ND, non-detect, contaminant not detected at noted analytical detection limit.

All results and detection limits given in micrograms per liter (ug/l water).

---, not analyzed or not applicable.

Existing MTCA, Current Washington Department of Ecology Model Toxics Control Act Method A Groundwater Cleanup Levels (WAC 173-340-740).

APPENDIX A
ANALYTICAL LABORATORY REPORT
& CHAIN OF CUSTODY



CERTIFICATE OF ANALYSIS

CLIENT: THE RILEY GROUP, INC.
10728 LAKE CITY WAY NE
SEATTLE, WA 98125

DATE: 3/1/00
CCIL JOB #: 002091
CCIL SAMPLE #: 2
DATE RECEIVED: 2/22/00
WDOE ACCREDITATION #: C142

CLIENT CONTACT: TODD FISHER

CLIENT PROJECT ID: GEDDES MARINE
CLIENT SAMPLE ID: HA1-6.0 2/22/00 10:40

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ACTION LEVEL***	ANALYSIS DATE	ANALYSIS BY
TPH-VOLATILE RANGE	NWTPH-GX	79	MG/KG		2/29/00	LAH
BENZENE	EPA-8021	1.8	MG/KG	.5MG/KG	2/29/00	LAH
TOLUENE	EPA-8021	0.2	MG/KG	40MG/KG	2/29/00	LAH
ETHYLBENZENE	EPA-8021	1.7	MG/KG	20MG/KG	2/29/00	LAH
XYLENES	EPA-8021	10	MG/KG	20MG/KG	2/29/00	LAH

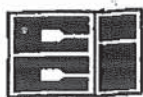
NOTE: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCT WHICH IS LIKELY WEATHERED GASOLINE

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:
GASOLINE(VOLATILE RANGE) REPORTING LIMIT IS 5 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

*** ACTIONS LEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY. THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAKING ANY DECISIONS BASED ON ANALYTICAL DATA

APPROVED BY:



CERTIFICATE OF ANALYSIS

CLIENT: THE RILEY GROUP, INC.
10728 LAKE CITY WAY NE
SEATTLE, WA 98125

DATE: 3/1/00
CCIL JOB #: 002091
CCIL SAMPLE #: 5
DATE RECEIVED: 2/22/00
WDOE ACCREDITATION #: C142

CLIENT CONTACT: TODD FISHER

CLIENT PROJECT ID: GEDDES MARINE
CLIENT SAMPLE ID: HA2-5.0 2/22/00 11:40

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ACTION LEVEL***	ANALYSIS DATE	ANALYSIS BY
TPH-VOLATILE RANGE	NWTPH-GX	3900	MG/KG		2/29/00	LAH
BENZENE	EPA-8021	ND(<3)	MG/KG	.5MG/KG	2/29/00	LAH
TOLUENE	EPA-8021	8.3	MG/KG	40MG/KG	2/29/00	LAH
ETHYLBENZENE	EPA-8021	47	MG/KG	20MG/KG	2/29/00	LAH
XYLENES	EPA-8021	260	MG/KG	20MG/KG	2/29/00	LAH
HCID-GAS RANGE	NWTPH-HCID	> 20	MG/KG GAS		2/24/00	SNC
HCID-DIESEL RANGE	NWTPH-HCID	ND(<50)	MG/KG DSL		2/24/00	SNC
HCID-OIL RANGE	NWTPH-HCID	ND(<100)	MG/KG OIL		2/24/00	SNC

NOTE: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCT WHICH IS LIKELY WEATHERED GASOLINE

* "ND" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

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CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY.
THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAKING ANY
DECISIONS BASED ON ANALYTICAL DATA

APPROVED BY:



CERTIFICATE OF ANALYSIS

CLIENT: THE RILEY GROUP, INC.
10728 LAKE CITY WAY NE
SEATTLE, WA 98125

DATE: 3/1/00
CCIL JOB #: 002091
CCIL SAMPLE #: 7
DATE RECEIVED: 2/22/00
WDOE ACCREDITATION #: C142

CLIENT CONTACT: TODD FISHER

CLIENT PROJECT ID: GEDDES MARINE
CLIENT SAMPLE ID: HA3-6.0 2/22/00 12:45

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ACTION LEVEL***	ANALYSIS DATE	ANALYSIS BY
TPH-VOLATILE RANGE	NWTPH-GX	ND	MG/KG		2/29/00	LAH
BENZENE	EPA-8021	ND(<0.1)	MG/KG	.5MG/KG	2/29/00	LAH
TOLUENE	EPA-8021	ND(<0.1)	MG/KG	40MG/KG	2/29/00	LAH
ETHYLBENZENE	EPA-8021	ND(<0.1)	MG/KG	20MG/KG	2/29/00	LAH
XYLENES	EPA-8021	ND(<0.3)	MG/KG	20MG/KG	2/29/00	LAH

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:
GASOLINE(VOLATILE RANGE) REPORTING LIMIT IS 5 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

*** ACTIONS LEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY. THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAKING ANY DECISIONS BASED ON ANALYTICAL DATA

APPROVED BY:  _____



CERTIFICATE OF ANALYSIS

CLIENT: THE RILEY GROUP, INC.
10728 LAKE CITY WAY NE
SEATTLE, WA 98125

DATE: 3/1/00
CCIL JOB #: 002091
CCIL SAMPLE #: 8
DATE RECEIVED: 2/22/00
WDOE ACCREDITATION #: C142

CLIENT CONTACT: TODD FISHER

CLIENT PROJECT ID: GEDDES MARINE
CLIENT SAMPLE ID: HAZ-H2O 2/22/00 2:00

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ACTION LEVEL***	ANALYSIS DATE	ANALYSIS BY
TPH-VOLATILE RANGE	NWTPH-GX	26000	UG/L		2/29/00	LAH
BENZENE	EPA-8021	260	UG/L	5 UG/L	2/29/00	LAH
TOLUENE	EPA-8021	170	UG/L	40 UG/L	2/29/00	LAH
ETHYLBENZENE	EPA-8021	870	UG/L	30 UG/L	2/29/00	LAH
XYLENES	EPA-8021	4600	UG/L	20 UG/L	2/29/00	LAH

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:
GASOLINE(VOLATILE RANGE) REPORTING LIMIT IS 50 UG/L

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

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APPROVED BY: CND

The Riley Group
10728 Lake City Way
Seattle, WA 98125
(206) 417-0551

facsimile transmittal

To: Susan Geddes Fax: (360) 653-3786

From: James Robert Date: 6/7/2000

Re: Geddes Marines Sales Pages: 3

CC: Paul Riley

Urgent For Review Please Comment Please Reply Please Recycle



Susan,

Here are the lab results for the grab water sample collected from the tank excavation. Rebecca Kriveton, an environmental professional with our firm, collected the sample on May 18, 2000. If you have any problems or questions, please feel free to call me at (206) 417-0551.

Jim Robert

10-26-05
Copies delivered
to Mary Swenson
(City Hall)





CCI
ANALYTICAL
LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT: THE RILEY GROUP, INC.
10728 LAKE CITY WAY NE
SEATTLE, WA 98125

DATE: 5/24/00
CCIL JOB #: 005081
CCIL SAMPLE #: 1
DATE RECEIVED: 5/18/00
WDOE ACCREDITATION #: C142

CLIENT CONTACT: JIM ROBERTS

CLIENT PROJECT ID: GEDDES
CLIENT SAMPLE ID: GW-1 5/18/00 10:30

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ACTION LEVEL***	ANALYSIS DATE	ANALYSIS BY
TPH-VOLATILE RANGE	NWTPH-GX	ND	UG/L		5/22/00	HJK
BENZENE	EPA-8021	ND(<1)	UG/L	5 UG/L	5/22/00	HJK
TOLUENE	EPA-8021	ND(<1)	UG/L	40 UG/L	5/22/00	HJK
ETHYLBENZENE	EPA-8021	ND(<1)	UG/L	30 UG/L	5/22/00	HJK
XYLENES	EPA-8021	ND(<3)	UG/L	20 UG/L	5/22/00	HJK

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:
CASOLINE(VOLATILE RANGE) REPORTING LIMIT IS 50 UG/L.

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

*** ACTIONS LEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY. THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAKING ANY DECISIONS BASED ON ANALYTICAL DATA.

APPROVED BY: CMB



CCI
ANALYTICAL
LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT: THE RILEY GROUP, INC.
10728 LAKE CITY WAY NE
SEATTLE, WA 98125

DATE: 5/24/00
CCIL JOB #: 005081

DATE RECEIVED: 5/18/00
WDOE ACCREDITATION #: C142

CLIENT CONTACT: JIM ROBERTS

CLIENT PROJECT ID: GEDDES

QUALITY CONTROL RESULTS

SURROGATE RECOVERY

CCIL SAMPLE ID	ANALYTE	SUR ID	% RECV
005081-01	NWTPH-GX	TFT	79
005081-01	EPA-8021	TFT	84

APPROVED BY: 

July 18, 2000

Mr. Ed Geddes
Geddes Marine Sales
1326 - 1st St.
Marysville, WA 98270

**RE: UNDERGROUND STORAGE TANK EXCAVATION SOIL SAMPLING
RESULTS, GEDDES MARINE SALES PROPERTY, 1326 - 1ST STREET,
MARYSVILLE, WASHINGTON**

Dear Mr. Geddes:

The purpose of this letter is to provide results of soil sampling at an open underground storage tank (UST) excavation in the north-central area of the referenced site. The work was performed in accordance with our proposal dated June 27, 2000, and authorized by you on June 27, 2000. Our scope of work followed informal guidance provided to you by Mr. John Bails of the Washington Department of Ecology (Ecology) on June 7, 2000.

FIELD ACTIVITIES

A Shannon & Wilson representative visited the site on June 28, 2000. The excavation was field-screened using a photo-ionization detector (PID), and soil and groundwater samples were collected from the UST excavation. A number of locations within the excavation that showed elevated PID readings were selected for laboratory testing. Results of field screening are shown on the field notes. Hydrocarbon odors were not noted during field activities.

A soil sample was collected from the bottom of the excavation and one soil sample was collected from each of the four sidewalls. Each sidewall sample was collected from 6 inches behind the sidewall at the bottom center of the sidewall. Groundwater had seeped into the excavation, filling an approximately 4-foot by 2-foot by 0.5-foot deep sump in the bottom of the excavation.

Soil samples were delivered to CCI Analytical Laboratories, Inc. of Everett, Washington for analysis for total petroleum hydrocarbons as gasoline (TPH-G) and benzene, toluene,

ethylbenzene, and xylenes (BTEX). Based on guidance from Mr. Bails, the groundwater sample was not submitted for analysis.

RESULTS

Analytical results for soil samples are summarized in Table 1 below. Copies of laboratory analytical reports are attached. TPH-G and BTEX were not detected at concentrations greater than Washington Model Toxics Control Act (MTCA) Method A cleanup criteria. No anomalies were noted in the laboratory report.

TABLE 1
SUMMARY OF ANALYTICAL RESULTS

Sample ID	Location	Results in mg/kg				
		TPH-G	Benzene	Toluene	Ethylbenzene	Xylenes
198401	North sidewall	< 8	< 0.1	< 0.1	< 0.1	< 0.3
198402	West sidewall	41	0.5	< 0.2	< 0.2	8
198403	South sidewall	< 5	< 0.1	< 0.1	< 0.1	< 0.3
198404	East sidewall	11	< 0.1	< 0.1	0.2	2.1
198405	Bottom of excavation	27	0.3	< 0.1	0.2	3.6
MTCA Method A Cleanup Criteria		100	0.5	40	20	20

Notes:

TPH-G results by Northwest Method NWTPH-Gx
BTEX results by EPA Method 8021
< = Not detected at indicated concentration

DISCUSSION

Based on analytical results from the five soil samples, it is our opinion that evidence of a petroleum release is not present at the site. It is not necessary to report these results to Ecology according to our conversation with Mr. Bails on July 10, 2000.

CLOSURE

The data presented in this report are based on limited research at the site and should be considered representative at the time of our observations. Changes in the conditions of the

Mr. Ed Geddes
Geddes Marine Sales
July 18, 2000
Page 3

SHANNON & WILSON, INC.

property can occur with time from both natural processes and human activities. In addition, changes in governmental codes, regulations, or law may occur. Because of such changes beyond our control, our observations and recommendations applicable to this facility may need to be revised, either wholly or in part.

This report was prepared for the exclusive use of Geddes Marine Sales and in no way guarantees that an agency or its staff will reach the same conclusions as Shannon & Wilson, Inc. We have prepared "Important Information About Your Environmental Report," attached, to assist you and others in understanding the use and limitations of our reports.

We appreciate this opportunity to be of service to Geddes Marine Sales. If you have any questions or concerns, please feel free to call Stephen Dailey at (206) 695-6706.

Sincerely,

SHANNON & WILSON, INC.



Stephen M. Dailey, P.E.
Project Manager

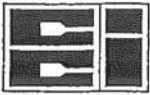


Scott W. Gaulke
Associate

SMD:SWG/smd

Enclosures: Field Notes
Laboratory Analytical Data Report (CCI Analytical Laboratories, Inc.)
Important Information About Your Environmental Report

c: Mel Takahara, Western Bank



CERTIFICATE OF ANALYSIS

CLIENT: SHANNON & WILSON
400 N. 34TH STREET, SUITE 100
SEATTLE, WA 98103

DATE: 7/6/00
CCIL JOB #: 006127
CCIL SAMPLE #: 1
DATE RECEIVED: 6/28/00
WDOE ACCREDITATION #: C142

CLIENT CONTACT: SCOTT GAULKE

CLIENT PROJECT ID: GEDDES MARINE 21-1-11984-001
CLIENT SAMPLE ID: 198401 6/28/00 0955

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ACTION LEVEL***	ANALYSIS DATE	ANALYSIS BY
TPH-GASOLINE	NWTPH-GX	ND	MG/KG		7/5/00	LAH
BENZENE	EPA-8021	ND(<0.1)	MG/KG	.5MG/KG	7/5/00	LAH
TOLUENE	EPA-8021	ND(<0.1)	MG/KG	40MG/KG	7/5/00	LAH
ETHYLBENZENE	EPA-8021	ND(<0.1)	MG/KG	20MG/KG	7/5/00	LAH
XYLENES	EPA-8021	ND(<0.3)	MG/KG	20MG/KG	7/5/00	LAH

* "ND" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES
GASOLINE(VOLATILE RANGE) REPORTING LIMIT IS 8 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

*** ACTIONS LEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY
CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY.
THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAKING ANY
DECISIONS BASED ON ANALYTICAL DATA

APPROVED BY: 



CERTIFICATE OF ANALYSIS

CLIENT: SHANNON & WILSON
400 N. 34TH STREET, SUITE 100
SEATTLE, WA 98103

DATE: 7/6/00
CCIL JOB #: 006127
CCIL SAMPLE #: 2
DATE RECEIVED: 6/28/00
WDOE ACCREDITATION #: C142

CLIENT CONTACT: SCOTT GAULKE

CLIENT PROJECT ID: GEDDES MARINE 21-1-11984-001
CLIENT SAMPLE ID: 198402 6/28/00 1000

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ACTION LEVEL***	ANALYSIS DATE	ANALYSIS BY
TPH-GASOLINE	NWTPH-GX	41	MG/KG		7/6/00	LAH
BENZENE	EPA-8021	0.5	MG/KG	.5MG/KG	7/6/00	LAH
TOLUENE	EPA-8021	ND(<0.2)	MG/KG	40MG/KG	7/6/00	LAH
ETHYLBENZENE	EPA-8021	ND(<0.2)	MG/KG	20MG/KG	7/6/00	LAH
XYLENES	EPA-8021	8	MG/KG	20MG/KG	7/6/00	LAH

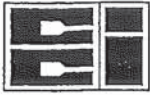
NOTE: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCT WHICH IS LIKELY WEATHERED GASOLINE

* "ND" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES
GASOLINE(VOLATILE RANGE) REPORTING LIMIT IS 5 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

*** ACTIONS LEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY.
THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAKING ANY DECISIONS BASED ON ANALYTICAL DATA

APPROVED BY: 



CERTIFICATE OF ANALYSIS

CLIENT: SHANNON & WILSON
400 N. 34TH STREET, SUITE 100
SEATTLE, WA 98103

DATE: 7/6/00
CCIL JOB #: 006127
CCIL SAMPLE #: 3
DATE RECEIVED: 6/28/00
WDOE ACCREDITATION #: C142

CLIENT CONTACT: SCOTT GAULKE

CLIENT PROJECT ID: GEDDES MARINE 21-1-11984-001
CLIENT SAMPLE ID: 198403 6/28/00 1005

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ACTION LEVEL***	ANALYSIS DATE	ANALYSIS BY
TPH-GASOLINE	NWTPH-GX	ND	MG/KG		7/5/00	LAH
BENZENE	EPA-8021	ND(<0.1)	MG/KG	.5MG/KG	7/5/00	LAH
TOLUENE	EPA-8021	ND(<0.1)	MG/KG	40MG/KG	7/5/00	LAH
ETHYLBENZENE	EPA-8021	ND(<0.1)	MG/KG	20MG/KG	7/5/00	LAH
XYLENES	EPA-8021	ND(<0.3)	MG/KG	20MG/KG	7/5/00	LAH

* "ND" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES
GASOLINE(VOLATILE RANGE) REPORTING LIMIT IS 5 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

*** ACTIONS LEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY
CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY.
THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAKING ANY
DECISIONS BASED ON ANALYTICAL DATA

APPROVED BY: 



CERTIFICATE OF ANALYSIS

CLIENT: SHANNON & WILSON
400 N. 34TH STREET, SUITE 100
SEATTLE, WA 98103

DATE: 7/6/00
CCIL JOB #: 006127
CCIL SAMPLE #: 4
DATE RECEIVED: 6/28/00
WDOE ACCREDITATION #: C142

CLIENT CONTACT: SCOTT GAULKE

CLIENT PROJECT ID: GEDDES MARINE 21-1-11984-001
CLIENT SAMPLE ID: 198404 6/28/00 1010

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ACTION LEVEL***	ANALYSIS DATE	ANALYSIS BY
TPH-GASOLINE	NWTPH-GX	11	MG/KG		7/6/00	LAH
BENZENE	EPA-8021	ND(<0.1)	MG/KG	.5MG/KG	7/6/00	LAH
TOLUENE	EPA-8021	ND(<0.1)	MG/KG	40MG/KG	7/6/00	LAH
ETHYLBENZENE	EPA-8021	0.2	MG/KG	20MG/KG	7/6/00	LAH
XYLENES	EPA-8021	2.1	MG/KG	20MG/KG	7/6/00	LAH

NOTE: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCT WHICH IS LIKELY WEATHERED GASOLINE

* "ND" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES
GASOLINE(VOLATILE RANGE) REPORTING LIMIT IS 5 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

*** ACTIONS LEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY. THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAKING ANY DECISIONS BASED ON ANALYTICAL DATA

APPROVED BY: 



CERTIFICATE OF ANALYSIS

CLIENT: SHANNON & WILSON
400 N. 34TH STREET, SUITE 100
SEATTLE, WA 98103

DATE: 7/6/00
CCIL JOB #: 006127
CCIL SAMPLE #: 5
DATE RECEIVED: 6/28/00
WDOE ACCREDITATION #: C142

CLIENT CONTACT: SCOTT GAULKE

CLIENT PROJECT ID: GEDDES MARINE 21-1-11984-001
CLIENT SAMPLE ID: 198505 6/28/00 1015

DATA RESULTS

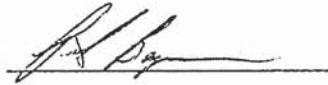
ANALYTE	METHOD	RESULTS*	UNITS**	ACTION LEVEL***	ANALYSIS DATE	ANALYSIS BY
TPH-GASOLINE	NWTPH-GX	27	MG/KG		7/5/00	LAH
BENZENE	EPA-8021	0.3	MG/KG	.5MG/KG	7/5/00	LAH
TOLUENE	EPA-8021	ND(<0.1)	MG/KG	40MG/KG	7/5/00	LAH
ETHYLBENZENE	EPA-8021	0.2	MG/KG	20MG/KG	7/5/00	LAH
XYLENES	EPA-8021	3.6	MG/KG	20MG/KG	7/5/00	LAH

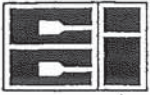
NOTE: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCT WHICH IS LIKELY WEATHERED GASOLINE

* "ND" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES
GASOLINE(VOLATILE RANGE) REPORTING LIMIT IS 5 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

*** ACTIONS LEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY. THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAKING ANY DECISIONS BASED ON ANALYTICAL DATA

APPROVED BY: 



CCI
ANALYTICAL
LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT: SHANNON & WILSON
400 N. 34TH STREET, SUITE 100
SEATTLE, WA 98103

DATE: 7/6/00
CCIL JOB #: 006127

DATE RECEIVED: 6/28/00
WDOE ACCREDITATION #: C142

CLIENT CONTACT: SCOTT GAULKE

CLIENT PROJECT ID: GEDDES MARINE 21-1-11984-001

QUALITY CONTROL RESULTS

SURROGATE RECOVERY

CCIL SAMPLE ID	ANALYTE	SUR ID	% RECV
006127-01	NWTPH-GX	TFT	59
006127-01	EPA-8021	TFT	75
006127-02	NWTPH-GX	TFT	57
006127-02	EPA-8021	TFT	64
006127-03	NWTPH-GX	TFT	54
006127-03	EPA-8021	TFT	65
006127-04	NWTPH-GX	TFT	55
006127-04	EPA-8021	TFT	69
006127-05	NWTPH-GX	TFT	87
006127-05	EPA-8021	TFT	83

APPROVED BY: 



Date: July 18, 2000

To: Mr. Ed Geddes

Geddes Marine Sales

Important Information About Your Geotechnical/Environmental Report

CONSULTING SERVICES ARE PERFORMED FOR SPECIFIC PURPOSES AND FOR SPECIFIC CLIENTS.

Consultants prepare reports to meet the specific needs of specific individuals. A report prepared for a civil engineer may not be adequate for a construction contractor or even another civil engineer. Unless indicated otherwise, your consultant prepared your report expressly for you and expressly for the purposes you indicated. No one other than you should apply this report for its intended purpose without first conferring with the consultant. No party should apply this report for any purpose other than that originally contemplated without first conferring with the consultant.

THE CONSULTANT'S REPORT IS BASED ON PROJECT-SPECIFIC FACTORS.

A geotechnical/environmental report is based on a subsurface exploration plan designed to consider a unique set of project-specific factors. Depending on the project, these may include: the general nature of the structure and property involved; its size and configuration; its historical use and practice; the location of the structure on the site and its orientation; other improvements such as access roads, parking lots, and underground utilities; and the additional risk created by scope-of-service limitations imposed by the client. To help avoid costly problems, ask the consultant to evaluate how any factors that change subsequent to the date of the report may affect the recommendations. Unless your consultant indicates otherwise, your report should not be used: (1) when the nature of the proposed project is changed (for example, if an office building will be erected instead of a parking garage, or if a refrigerated warehouse will be built instead of an unrefrigerated one, or chemicals are discovered on or near the site); (2) when the size, elevation, or configuration of the proposed project is altered; (3) when the location or orientation of the proposed project is modified; (4) when there is a change of ownership; or (5) for application to an adjacent site. Consultants cannot accept responsibility for problems that may occur if they are not consulted after factors which were considered in the development of the report have changed.

SUBSURFACE CONDITIONS CAN CHANGE.

Subsurface conditions may be affected as a result of natural processes or human activity. Because a geotechnical/environmental report is based on conditions that existed at the time of subsurface exploration, construction decisions should not be based on a report whose adequacy may have been affected by time. Ask the consultant to advise if additional tests are desirable before construction starts; for example, groundwater conditions commonly vary seasonally.

Construction operations at or adjacent to the site and natural events such as floods, earthquakes, or groundwater fluctuations may also affect subsurface conditions and, thus, the continuing adequacy of a geotechnical/environmental report. The consultant should be kept apprised of any such events, and should be consulted to determine if additional tests are necessary.

MOST RECOMMENDATIONS ARE PROFESSIONAL JUDGMENTS.

Site exploration and testing identifies actual surface and subsurface conditions only at those points where samples are taken. The data were extrapolated by your consultant, who then applied judgment to render an opinion about overall subsurface conditions. The actual interface between materials may be far more gradual or abrupt than your report indicates. Actual conditions in areas not sampled may differ from those predicted in your report. While nothing can be done to prevent such situations, you and your consultant can work together to help reduce their impacts. Retaining your consultant to observe subsurface construction operations can be particularly beneficial in this respect.

A REPORT'S CONCLUSIONS ARE PRELIMINARY.

The conclusions contained in your consultant's report are preliminary because they must be based on the assumption that conditions revealed through selective exploratory sampling are indicative of actual conditions throughout a site. Actual subsurface conditions can be discerned only during earthwork; therefore, you should retain your consultant to observe actual conditions and to provide conclusions. Only the consultant who prepared the report is fully familiar with the background information needed to determine whether or not the report's

recommendations based on those conclusions are valid and whether or not the contractor is abiding by applicable recommendations. The consultant who developed your report cannot assume responsibility or liability for the adequacy of the report's recommendations if another party is retained to observe construction.

THE CONSULTANT'S REPORT IS SUBJECT TO MISINTERPRETATION.

Costly problems can occur when other design professionals develop their plans based on misinterpretation of a geotechnical/environmental report. To help avoid these problems, the consultant should be retained to work with other project design professionals to explain relevant geotechnical, geological, hydrogeological, and environmental findings, and to review the adequacy of their plans and specifications relative to these issues.

BORING LOGS AND/OR MONITORING WELL DATA SHOULD NOT BE SEPARATED FROM THE REPORT.

Final boring logs developed by the consultant are based upon interpretation of field logs (assembled by site personnel), field test results, and laboratory and/or office evaluation of field samples and data. Only final boring logs and data are customarily included in geotechnical/environmental reports. These final logs should not, under any circumstances, be redrawn for inclusion in architectural or other design drawings, because drafters may commit errors or omissions in the transfer process.

To reduce the likelihood of boring log or monitoring well misinterpretation, contractors should be given ready access to the complete geotechnical engineering/environmental report prepared or authorized for their use. If access is provided only to the report prepared for you, you should advise contractors of the report's limitations, assuming that a contractor was not one of the specific persons for whom the report was prepared, and that developing construction cost estimates was not one of the specific purposes for which it was prepared. While a contractor may gain important knowledge from a report prepared for another party, the contractor should discuss the report with your consultant and perform the additional or alternative work believed necessary to obtain the data specifically appropriate for construction cost estimating purposes. Some clients hold the mistaken impression that simply disclaiming responsibility for the accuracy of subsurface information always insulates them from attendant liability. Providing the best available information to contractors helps prevent costly construction problems and the adversarial attitudes that aggravate them to a disproportionate scale.

READ RESPONSIBILITY CLAUSES CLOSELY.

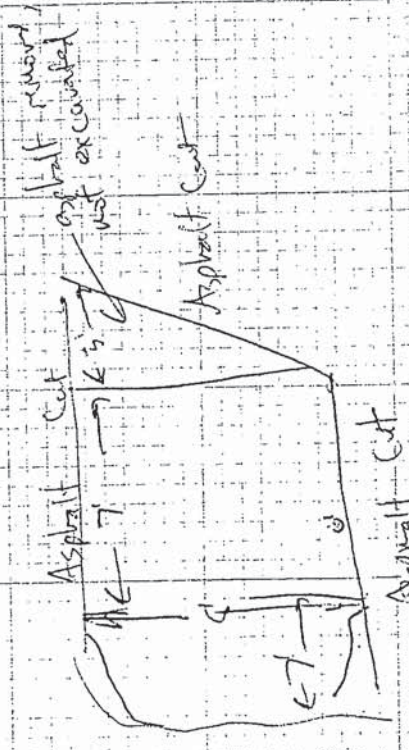
Because geotechnical/environmental engineering is based extensively on judgment and opinion, it is far less exact than other design disciplines. This situation has resulted in wholly unwarranted claims being lodged against consultants. To help prevent this problem, consultants have developed a number of clauses for use in their contracts, reports and other documents. These responsibility clauses are not exculpatory clauses designed to transfer the consultant's liabilities to other parties; rather, they are definitive clauses that identify where the consultant's responsibilities begin and end. Their use helps all parties involved recognize their individual responsibilities and take appropriate action. Some of these definitive clauses are likely to appear in your report, and you are encouraged to read them closely. Your consultant will be pleased to give full and frank answers to your questions.

The preceding paragraphs are based on information provided by the
ASFE/Association of Engineering Firms Practicing in the Geosciences, Silver Spring, Maryland

6/28/00

0840 SMD ON SITE

70°F, sunny



depth 6.5'
 sidewalls nearly vertical
 Sheep on water sheen
 breaks up when touched

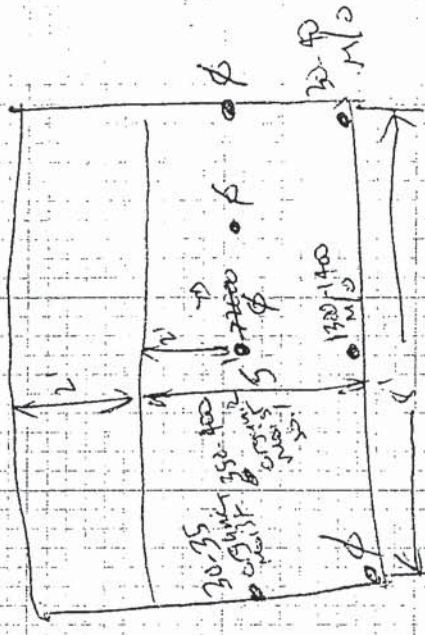
(2)

Ambient PID is like a ϕ

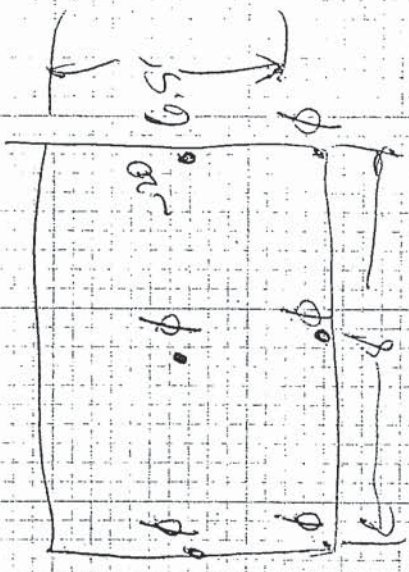
Tank installed 1960s

removed in Mar. 2000

W. FACE PID



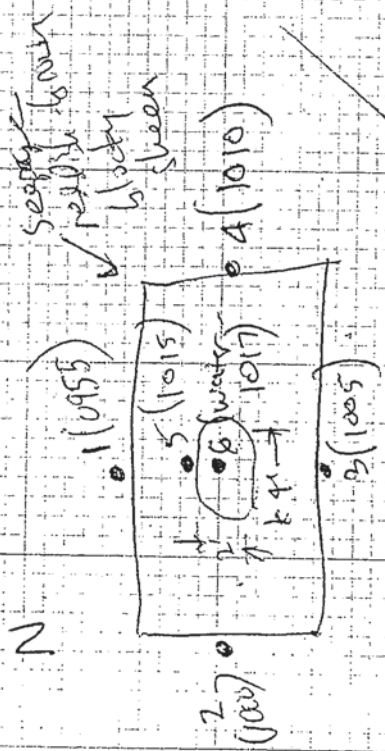
E. FACE PID



3

SAMPLES

N



10
6
10
10

TRANSMITTAL

TO	Ed and Susan Geddes	DATE	10/26/07
COMPANY	Geddes Marine Sales	PHONE	360-659-2575
ADDRESS	1326 1 st St	FAX	
	Marysville, WA 98270	JOB NO.	21-1-11984-001
SUBJECT	S&W JOB NO. 21-1-11984-001		

THE FOLLOWING ITEMS ARE TRANSMITTED:

DATE	NO. COPIES	DESCRIPTION
07/2000	1	Letter Report, Underground Storage Tank Excavation Soil Sampling Results, Geddes Marine Sales Property, 1326 1st St, Marysville, Washington

- Per your request
 For your approval
 For your information
 For your files
 For your review
 For your action
 Return with comments
 Other

Comments:

By: Jamie S. Cartwright

c: _____

Title: Records Department

October 26, 2007

Edward and Susan Geddes
Geddes Marine Sales
1326 1st St
Marysville, WA 98270

**RE: REUSE OF REPORT, UNDERGROUND STORAGE TANK
EXCAVATION SOIL SAMPLE RESULTS, GEDDES MARINE SALES
PROPERTY, 1326 1ST STREET, MARYSVILLE, WASHINGTON, SHANNON &
WILSON, INC. JOB NUMBER 21-1-11984-001**

The enclosed document furnished by Shannon & Wilson, Inc. was prepared for the above referenced project only and for use only at that time. It is not intended to be used on any other project. If this document is reused without Shannon & Wilson's written permission, Shannon & Wilson, Inc. will not be held responsible for any claims, damages, losses or expenses resulting from such reuse. Verification or adaptation of this document for reuse will entitle Shannon & Wilson, Inc. to further compensation.

By accepting the enclosed document, it is understood that you agree with the above statement.

Sincerely,

SHANNON & WILSON, INC.



Scott Gaulke, P.E. L/H.G.
Vice President

SWG/jsc

Associated Earth Sciences, Inc.



Celebrating Over 25 Years of Service

June 25, 2010

Project No. KV080118B

City of Marysville Public Works
80 Columbia Avenue
Marysville, Washington 98270

Attention: Mr. John Cowling, P.E.

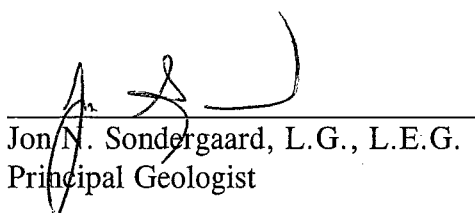
Subject: Phase I Environmental Site Assessment
Geddes Marina
1326 First Street
Marysville, Washington

Dear Mr. Cowling:

This letter accompanies a report by Associated Earth Sciences, Inc. (AESI) documenting the results of a Phase I Environmental Site Assessment (ESA) performed on the above-referenced property. The findings and conclusions in this report are based on our interpretation of information currently available, and are subject to the limitations in the attached report.

We appreciate the opportunity to work with you on this project. If you have any questions regarding the scope of our study or our conclusions, please do not hesitate to contact us at (425) 827-7701.

Sincerely,
ASSOCIATED EARTH SCIENCES, INC.
Kirkland, Washington

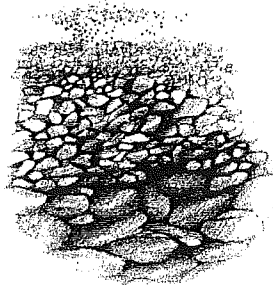


Jon N. Sondergaard, L.G., L.E.G.
Principal Geologist

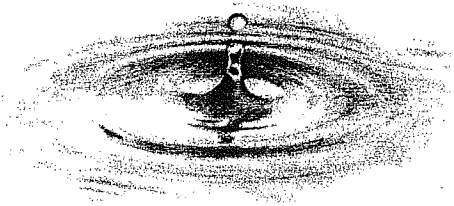
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Projects\20080118\KV\WP

Kirkland ▪ Everett ▪ Tacoma
425-827-7701 425-259-0522 253-722-2992

www.aesgeo.com



Geotechnical Engineering



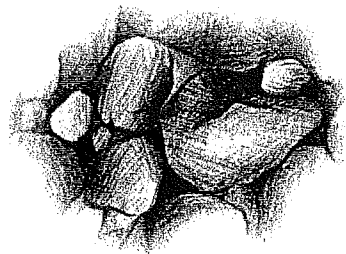
Water Resources



Environmental Assessments and
Remediation



Sustainable Development Services



Geologic Assessments

Associated Earth Sciences, Inc.

Celebrating Over 25 Years of Service

Phase I
Environmental Site Assessment

GEDDES MARINA

Marysville, Washington

Prepared for

City of Marysville Public Works

Project No. KV080118B
June 25, 2010

**PHASE I
ENVIRONMENTAL SITE ASSESSMENT**

GEDDES MARINA

Marysville, Washington

Prepared for:
City of Marysville Public Works
80 Columbia Avenue
Marysville, Washington 98270

Prepared by:
Associated Earth Sciences, Inc.
911 5th Avenue, Suite 100
Kirkland, Washington 98033
425-827-7701
Fax: 425-827-5424

June 25, 2010
Project No. KV080118B

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EXECUTIVE SUMMARY

Associated Earth Sciences, Inc. (AESI) conducted a Phase I Environmental Site Assessment (ESA) of the Geddes Marina property. The subject property is located south of First Street in Marysville, Washington (Figure 1, "Vicinity Map"). As depicted on the "Site Plan," Figure 2, the site is roughly rectangular in shape with its long dimension oriented approximately north to south. The site encompasses an area of approximately 4.73 acres.

The site consists of an existing marina facility. The marina consists of a roughly rectangular body of water (boat basin) that is connected to storm water flow from a culvert at the facility's north end and to the Snohomish River (Ebey's Slough) at the facility's south end. Gravel covered and partially paved drive and parking areas surround the central boat basin of the marina on all four sides. Within the boat basin there are numerous floating boathouses and docks. There are also numerous boats tied up within the marina, some to the docks and some within the boathouses. Topographic gradient of the site appears to be less than approximately 5 percent, except at the water's edge and at the base of the railroad embankment. Total vertical relief across the site appears to be approximately 3 to 5 feet based on field estimates.

There are several shore based boathouses, warehouses, and marine related repair facilities east and northeast of the boat basin. There is a strip of tidelands and docks supporting several boathouses and boats between the marina property and the Snohomish River, to the south. An elevated Burlington Northern railroad embankment, supporting one set of tracks, is to the west of the property. A City of Marysville park including paved parking, paved drives, a boat launch, and restroom facilities, is to the east of the site. A retail mall is located across First Street to the north of the site.

AESI reviewed our draft version of a Phase II ESA prepared for the subject property entitled *Phase II Environmental Site Assessment Geddes Marina 1326 First Street Marysville, Washington*, and dated October 24, 2008. A final version of the Phase II ESA report is presented under separate cover.

A summary of the information contained in the Phase II report is included below:

- *Soil samples from on-shore, terrestrial borings and hand auger explorations were collected in August and September of 2008. Off-shore marine sediment samples were collected from the boat basin in September of 2008. In addition to the soil and sediment samples, ground water samples were also collected. The ground water samples were collected in August and September 2008.*

- *Based on the results of this Phase II ESA, the subject property exhibits the following contamination above the MTCA Method A Cleanup criterion and the WAC 173-204 Marine Sediment Quality Standards:*

Upland soils generally contain arsenic concentrations greater than the MTCA Method A Cleanup criterion of 20 ppm. They also contain scattered cadmium and CPAH concentrations above their respective MTCA Method A Cleanup criterion.

Shallow ground water beneath the site generally exhibits total arsenic concentrations above the MTCA Method A Cleanup criterion of 5 ppb. In addition, shallow ground water in the southeast corner of the property exhibits concentrations of petroleum hydrocarbons, total lead, and chromium, and scattered concentrations of mercury, chromium, and cadmium above the MTCA Method A Cleanup criterion.

Marine sediments contained within the boat basin exhibit elevated concentrations of petroleum hydrocarbons and CPAH concentrations that exceed the WAC 173-204 Marine Sediment Quality Standard.

- *Preparation of a Cleanup Action Plan (CAP) would be required to fully evaluate potential remedial options in order to recommend the most applicable methodology.*

AESI also reviewed a letter-report prepared by The Riley Group, Inc. titled "UST Site Assessment Letter Report, Geddes Marine Sales," dated April 10, 2000. The report identifies an abandoned gasoline underground storage tank (UST) at the northwest corner of the sales office (see Plate 1). Analysis of soil and ground water samples collected from around the UST indicates petroleum hydrocarbon concentrations above MTCA Method A Cleanup Levels at this location.

AESI also reviewed a report prepared by Shannon and Wilson for the same UST location entitled "Underground Storage Tank Excavation Soil Sampling Results, Geddes Marine Sales Property, 1326 - First Street Marysville, Washington", dated July 18, 2000. According to the report, confirmatory soil sampling was completed in the open UST excavation at the subject property on June 27, 2000. Five soil samples were collected from the four sidewalls and the bottom of the UST excavation and were subsequently submitted for laboratory analysis for total petroleum hydrocarbons as gasoline (TPH-g) and the gasoline constituents benzene, toluene, ethyl benzene, and total xylenes (BTEX). A single ground water sample was collected from the ground water which accumulated in the excavation; however, based on guidance from Ecology, the sample was not analyzed. According to laboratory results, the detected concentrations of TPH-G and BTEX in the soil samples analyzed were below the applicable MTCA Method A cleanup levels. The report concludes that, based upon guidance provided by Ecology staff at the time, it was not necessary to report these findings to Ecology and that evidence of a petroleum release at the site is not present.

AESI did not observe obvious indications of surficial staining, dumping, or environmentally significant releases of chemicals on the subject property. No obvious visual evidence of hazardous materials contamination was discovered in surficial areas of the site examined during our site reconnaissance. However, work completed during the Phase II ESA completed in 2008 identifies several locations where soil, sediment, and ground water exceed MTCA cleanup levels or state marine sediment quality standards.

Several off-site properties of potential environmental significance within the ASTM-specified search radii were identified in the Environmental Data Resources, Inc. (EDR) database report. For a variety of reasons (e.g., no documented release; downgradient, crossgradient, or too far from the subject property), most of these off-site properties, in our opinion, are unlikely to pose an environmental risk to the subject property. The potential exception is the former lumber mill that was located adjacent to and directly east of the property. The former mill property has been remediated, but it is possible that past activities on that site have impacted the Geddes Marina property.

1.0 INTRODUCTION

1.1 Purpose and Scope of Services

The purpose of this Phase I Environmental Site Assessment (ESA) is to identify, to the extent practicable using standard methods, the presence, or likely presence, of hazardous substances or petroleum products under conditions that indicate an existing release, a past release, or a material threat of a release into structures on the property or into the ground, ground water, or surface water of the property.

1.2 Scope of Services

This Phase I ESA was performed by Associated Earth Sciences, Inc. (AESI) in accordance with the American Society for Testing and Materials (ASTM):E-1527-05, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The scope of this Phase I ESA included the following specific tasks:

- Reviewing regulatory agency databases for both the site and for surrounding properties. Databases searched included, but were not limited to, the ASTM standard specified lists.
- If deemed necessary, based on information obtained from regulatory agency databases, reviewing relevant records at the Washington State Department of Ecology (Ecology).
- Researching past site use through a review of historical records, including aerial photographs, local assessor records, and historical topographic maps.
- Reviewing published maps for topographic and geologic information.
- Conducting a reconnaissance to observe existing site conditions and activities at neighboring parcels.
- Interviewing property owners, property managers, and occupants associated with the subject property.
- Preparing this report summarizing the results of data research, site observations, interviews, and providing our interpretation regarding the potential for adverse environmental conditions or environmental risks. No surface or subsurface samples of environmental media were collected or analyzed at the subject property as part of this site assessment.

1.3 Significant Assumptions

Phase I ESAs cannot eliminate all uncertainty regarding the potential for recognized environmental conditions. This assessment was performed in general accordance with ASTM:E-1527-05, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. Consistent with ASTM:E-1527-05, this Phase I ESA is intended to reduce, but not eliminate, uncertainty regarding the potential for recognized environmental conditions. The level of effort was not exhaustive, but was designed to balance reduction of uncertainty regarding environmental conditions with time and costs. Note that conducting this Phase I ESA does not eliminate the potential for future identification of recognized environmental conditions.

Judgments leading to the enclosed general conclusions are based on available information, including information provided by the client, interviews with knowledgeable personnel, and site conditions as they existed at the time of our assessment. While striving to present the most accurate scenario of the condition of the property, this assessment may reflect inaccurate or incomplete information provided by others. Other information on the subject property or adjacent surrounding properties may exist, and more extensive studies may reduce the uncertainties associated with this assessment. The assessment is subjective, qualitative, and based mainly on the professional judgment and experience of the AESI project team after review and consideration of available information.

1.4 Limitations and Exceptions

In accordance with ASTM:E-1527-05, this Phase I ESA does not address a number of issues considered outside of the scope of the Phase I ESA process, including (but not limited to): asbestos-containing building materials, radon gas, lead-based paint, lead in drinking water, wetlands, regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, biological agents, and mold.

1.5 Special Terms and Conditions

There were no special terms or conditions attached to this Phase I ESA.

1.6 User Reliance

This report is certified to, can be relied upon by, and has been prepared for the exclusive use of the following entities:

- City of Marysville Public Works

Any of the named entities above can convey this report to an affiliate, related entity, subsidiary, lender, title insurer, regulatory/city agency or current property owner(s) and their agents, but further dissemination requires prior written approval from AESI.

2.0 SITE DESCRIPTION

2.1 Location and Legal Description

As shown on Figure 1, "Vicinity Map," the subject property is located in Marysville, Snohomish County, Washington south of First Street and north of the Snohomish River (Ebey's Slough). The property is located in Section 33, Township 30 North, Range 5 East. For a complete legal description of the subject property, refer to the Snohomish County assessor records located in Appendix A. Parcels included in this assessment are listed below by Snohomish County parcel identification number:

30053300203100 (Geddes Marina Store property)

Boathouse parcels contained within the marina are listed below:

00970300100100	00970300100200	00970300100300	00970300100400
00970300100500	00970300100600	00970300100700	00970300100800
00970300100900	00970300101000	00970300101100	00970300200100
00970300200200	00970300200300	00970300200400	00970300200500
00970300200600	00970300200700	00970300200800	00970300200900
00970300201000	00970300201100	00970300201200	00970300201300
00970300201400	00970300201500	00970300201600	00970300300100
00970300300400	00970300300500	00970300400100	00970300400200
00970300400300	00970300400400	00970300400500	30053300202700

For a complete list of boathouse owners refer to Appendix A, Snohomish County Assessor Records. The total acreage of the subject property is approximately 4.65 acres.

2.2 Site and Vicinity General Characteristics

2.2.1 Regional Topography and Geologic Setting

The Geddes Marina property is located within the glacial terrain of the Puget Sound Lowlands. Surficial geology near the subject property is mapped as Qyal – younger alluvium and estuary deposits – comprised of stream-laid stratified sediment consisting of sand, silt, and clay with a large amount of organic materials (Minard, 1985).

2.2.2 Site Dimensions and Topography

As shown on Figure 2, the subject property is “rectangle”-shaped and approximately 650 feet by 330 feet. The topography of the site is generally gently sloping down to the south towards the Snohomish River. The elevation of the property is approximately 2 feet above mean sea level (amsl).

2.3 Current Use of the Property

The subject property is currently used as a boat marina, containing approximately 36 boat houses, outbuildings, storage sheds, and a boat supply store.

2.4 Description of Structures, Roads, and Other Improvements

Gravel covered and partially paved drive and parking areas surround the central boat basin of the marina on all four sides. Within the boat basin there are numerous floating boathouses and docks. There are also numerous boats tied up within the marina, some to the docks and some within the boathouses.

2.5 Current Uses of the Adjoining Properties

There are several shore based boathouses, warehouses, and marine related repair facilities east and northeast of the boat basin. There is a strip of tidelands and docks supporting several boathouses and boats between the marina property and the Snohomish River, to the south. An elevated Burlington Northern railroad embankment, supporting one set of tracks, is to the west of the property. A City of Marysville park including paved parking, paved drives, a boat launch, and restroom facilities, is to the east of the site. A retail mall is located across First Street to the north of the site.

3.0 USER-PROVIDED INFORMATION

The user of this report, Mr. Kevin Nielsen, on behalf of the City of Marysville Public Works, completed a user questionnaire that is attached in Appendix B, User-Provided Questionnaire. Information in this questionnaire is summarized below in Section 3.4.

3.1 Title Records

AESI was provided commitment for title insurance documents for the subject property. According to the title records reviewed, easements are present for Snohomish County electrical utility lines, an ingress/egress for the Colorshake Corporation (1962), and several property

transfers between private parties (primarily the Geddes family) occurred in the past regarding the subject property. Selected portions of these title reports are provided in Appendix C.

3.2 Environmental Liens or Activity and Use Limitations

No environmental liens or activity and use limitations were identified in the title documents. A chain-of-title was not provided to AESI for this assessment.

3.3 Specialized Knowledge

AESI has conducted a Phase II ESA (See Section 4.3.5) at the subject property, but otherwise has no specialized knowledge of the site.

3.4 Commonly Known or Reasonably Ascertainable Information

- The user indicated that he knows the past uses of the subject property; but did not elaborate as to their nature.
- The user indicated that specific chemicals, including petroleum, are present or were once present at the property.
- The user does not know of any spills or other chemical releases that have taken place at the property.
- The user is aware of environmental studies and/or cleanups that have taken place at the property.
- The user does not know of any USTs that are, or once were on the property.
- The user is not aware of any previous Phase I ESAs conducted for the subject property.
- The user is aware of automotive/industrial batteries, pesticides, paints, or other chemicals in individual containers are currently located on the subject property; however did not elaborate as to the specific substances present.
- The user is not aware of any industrial drums (55 gallon) on the property.
- The user is unaware of any soil that has been brought onto the property in large quantities.
- The user has not observed any dumping or staining of the soil on the property.

3.5 Valuation Reduction for Environmental Issues

During the assessment, AESI did not become aware of any valuation reductions associated with environmental issues.

3.6 Owner, Property Manager, and Occupant Information

The subject property is owned by Edward and Susan Geddes and various boat house owners (See Appendix A, Snohomish County Assessor Records).

3.7 Reason for Performing Phase I ESA

City of Marysville Public Works have contracted AESI to conduct a Phase I ESA as part of the due diligence process for purchase of the subject property. The purpose of the Phase I ESA is to qualify for Landowner Liability Protections under CERCLA and identify any environmental conditions that could materially impact the operation of the business.

3.8 Other

No other relevant user information was provided.

4.0 RECORDS REVIEW

This section provides the results of our review of available records for the subject property.

4.1 Standard and Additional Environmental Record Sources

The purpose of the environmental record review was to obtain and review records that would help evaluate recognized environmental conditions in connection with the subject property and potential off-site contamination sources.

A detailed review of pertinent regulatory agency database records was conducted by Environmental Data Resources, Inc. (EDR, 2010) according to ASTM:E-1527-05 for facilities that currently or previously have occupied the subject site and properties within the specified ASTM search radii from the subject site. In addition to the standard ASTM:E-1527-05 environmental records, a number of additional records sources were searched. A list of the reviewed databases, the search radii, number of sites, and complete results of the records search are provided in Appendix D.

A total of 81 database listings (representing 37 sites) were identified for surrounding properties within the specified search radii. The subject property was not listed in any of the regulatory databases searched. The listed sites are evaluated in Section 4.1.2.

4.1.1 Orphan Sites Summary

The EDR report included 23 listings with incomplete address information that may or may not be within the prescribed ASTM distance from the subject property. AESI conducted further research for each site to assess the likelihood of impact to the subject property. Most of the sites were outside the search radii for the database(s) where they were listed. Sites that were within the search radii are listed below:

- First Stop Deli 70 State Street, Marysville, WA - LUST, VCP
- Chevron 1206 4th Street, Marysville, WA - LUST, ICR, CSCSL, SPILLS, VCP
- Tulalip Solid Waste Landfill, 7411 Tulalip Bay Road, Tulalip Reservation

These sites are addressed in Section 4.1.2.

4.1.2 Listed and Orphan Sites Within the Search Radii

Each listed and orphan site within the search radii was evaluated for its potential to impact the subject property. The primary criteria for assessing the potential impact of surrounding sites include:

- Whether or not a release has been reported, whether or not ground water has been impacted by the release, and the status of remediation.
- Direction of ground water flow: Based on topography, the regional ground water is believed to flow to the south towards the Snohomish River.
- Distance from the subject property. Sites that are located far from the subject property are considered to pose insignificant environmental risk unless a large release of contaminants to ground water has been documented.

All of the listed and orphan sites within the search radii that may pose a hazard to the subject property based on the above criteria are summarized in the following table:

Table 1
Listed and Orphan Sites Within the Search Radii with Documented or Likely Chemical Releases

Site	Lists	Distance from Site	Map ID	Potential Impact on Subject Property
Marysville City Waterfront Park/Ebey Slough Waterfront Park – No Address Listed	CSCSL, HSL	Adjoining E	1	Impacted ground water and soil. Moderate potential impact on subject property due to distance from site and topographic crossgradient location.
Baxter Auto Repair – 1408 1 st Street	UST, SPILLS	150 W	A2	None: No violations reported; spill listing related to on-site waste/oil spill (2005) with no reported impacts to soil or ground water.
First Stop Deli – 70 State Avenue	LUST, ICR	600 E	B7	None: Distance from subject property and crossgradient relative topographic position.
Texaco – 1209 4 th Street	SHWS, LUST	1,200 NW	E20	None: Distance from subject property.
Chevron – 1206 4 th Street	LUST, ICR, CSCSL, SPILLS, VCP	1,200 NW	-	None: Distance from subject property.
Conoco Phillips Corp. Facility – 1221 4 th Avenue	SHWS, LUST, ICR, INDIAN LUST	1,500 NW	E19	None: Distance from subject property.
US EPA Tulalip Landfill	NPL, ROD, SHWS	2,000 SW	0	None: Distance from subject property.

For a variety of reasons, none of the listed and orphan sites are likely to pose an environmental risk to the subject property with the exception of the Marysville City Waterfront Park/Ebey Slough Waterfront Park which is located adjacent to the east of the subject property.

Marysville City Waterfront Park/Ebey Slough Waterfront Park

According to the EDR report the adjacent Marysville City Waterfront Park facility is listed as a State Hazardous Site List (HSL) and is enrolled in the Washington State Voluntary Cleanup Program (VCP). The report indicates that sediment, ground water, and soil have been impacted at the Marysville City Waterfront Park/Ebey Slough Waterfront Park site and that the

facility is currently awaiting assessment. According to the information contained within the regulatory report which was updated in February of 2009, the contaminants present in the on-site ground water and soils of the Marysville City Waterfront Park/Ebey Slough Waterfront Park include: phenolic compounds, non-halogenated solvents, metals and cyanide, petroleum products, and Polynuclear Aromatic Hydrocarbons (PAHs). AESI interviewed City of Marysville personnel (Section 6.0, "Interviews with Owner[s]") who indicated that the site has been remediated and capped, and is currently enrolled in the Washington State Department of Ecology's Voluntary Cleanup Program (VCP).

4.2 Physical Setting Sources

A copy of the most recent United States Geological Survey (USGS) 7.5-Minute topographic Map showing the area on which the subject property is located is provided as Figure 1, "Vicinity Map." Geology and topography for the subject property are discussed in Section 2.2.

4.3 Historical Use Information on the Property and Adjoining Properties

The history of the subject property and adjoining properties was compiled from a combination of aerial photographs, historical records, and previous studies for the site.

4.3.1 Aerial Photographs

Aerial photographs for various years from 1968 through 2006 were reviewed for this assessment and are provided in Appendix E. Aerial photographs were obtained from EDR. Following are notes from our review of the photographs.

1968: (Photo EDR 2448122-A2, B&W, 1" = 750')

The subject site is developed with the existing marina features including the boathouses and docks. Roads are visible leading from First Street to the boathouses and to a structure located on the southern portion of the site adjacent to Ebey Slough. A building is located on the northeast corner of the subject property and the north-central portion of the site is covered in small trees and vegetation. South of the site is Ebey Slough, beyond which lies a small inlet surrounded by apparently undeveloped land. North of the site is First Street, beyond which lie several apparent commercial structures and associated parking areas followed by a commercial area. East of the site the land has been disturbed, or is under construction, and several buildings are present along the shoreline. A small bridge, which transects Ebey Slough in a northeast-southwest direction, is located east of the site. West of the site lies a set of railroad tracks which run in a northeast-southwest orientation, beyond which are several additional structures located east of 57th Street NE, followed by Interstate 5.

1971: (Photo EDR 2448122-A2, Infrared, 1"=1,000')

With the exception of an additional warehouse building, which has been constructed on the eastern portion of the subject property, no significant changes were noted in this aerial photograph. The area adjacent to the east of the subject property now contains multiple vehicles and a building is visible on the western portion of the facility along the eastern boundary of the subject property. Additional structures are visible along the south side of First Street on the northern portion of the facility. Interstate 5 has been widened by this time west of the site. No other significant changes were noted in the vicinity of the subject property.

1981: (Photo EDR 2448122-A2, Infrared, 1"=1,000')

No significant changes to the subject property or vicinity were noted in this photograph. It should be noted that the photograph quality was low and detail was limited.

2006: (Photo F-17-18, Color, 1"=533')

Several structures located on the northeastern portion of the subject property have been removed by this time. A small building has been constructed adjacent to the northwestern corner of the subject property and a small parking lot is filled with vehicles. The property adjoining to the east of the subject property has been developed with a waterfront park, parking lot, and boat launch. North of the subject property a shopping mall has been constructed north of First Street and south of Fourth Street, with the main structure located on the southern portion of the site.

2009: (USGS Seamless Dataserver, 1"=200')

No significant changes to the subject property were noted during our review of this aerial photograph. West of the subject property several structures present on the western portion of the Welco Lumber facility have been removed by this time. No other significant changes to the subject property vicinity were noted during our review of this aerial photograph.

4.3.2 Snohomish County Assessor Records

Copies of the Snohomish County Assessor Records that were reviewed for this report are located in Appendix A. The records reviewed pertain to the northeastern portion of the site (marina shop building) and indicate that the site is owned by Edward Geddes and located in the Marysville commercial neighborhood. The Assessor's records also indicate that the site is improved with paved parking areas and sidewalks, and that utilities are present including water, sewer, and electric. According to these records, an 8,000 sq. ft. site building was constructed in 1965 and remodeled in 1986.

The assessor's records also contained information pertaining to the 36 boathouses (various owners) located on the subject site, the majority of which were constructed in the early 1960s.

AESI additionally reviewed historical assessor's records obtained from the Snohomish County Assessor. The historical assessment records include building and structure information, tax records, and assessment photographs. These records are primarily related to the construction of various unheated boat storage sheds/houses spread across the site. Copies of the historical assessor records are included in Appendix A.

4.3.3 Sanborn Map and City Directory Review

EDR conducted a review of available Sanborn fire insurance maps. Sanborn fire insurance maps were available for the subject property for the years: 1892, 1897, 1902, 1906, 1912, 1926, and 1942.

1892

The exact site boundaries are difficult to discern in the earlier Sanborn maps, only the northern portion of the site is visible in this map and First Street is shown as Front Street. Along the south side of Front (later First Street) the northern portion of the site is developed with the Pacific Hotel (lodgings), an office building, and a sash and door company. A large creek is visible transecting the eastern portion of the site, oriented roughly north-south. Across this water feature to the east is the E.T. Anderson Mill Company, which included a trimmer, rotary and planers, steam pump, 8,000 gallon water tank, and a logway leading from the mill to the creek west of the mill. Northeast of the site, across Front Street is the Anderson and Creese sash and door facility.

1902

The office building along First Street has been removed by this time, and the sash and door company has expanded somewhat. A small woodshed has been constructed southwest of the sash and door company and the mill is now labeled "saw mill". The Anderson sash and door company is no longer present across Front Street. No other significant changes were noted in this map.

1906

The subject site is developed with the Marysville Foundry and Machine Shop along the south side of Front Street, an apparent warehouse, and several residential structures. The southeast portion of the site contains several buildings which are part of the Marysville Mill Company's saw and shingle mill. It is difficult to discern the exact subject property boundary; however, it appears that lumber sheds, a planing mill, steam dry kilns, and several small utility sheds were

located on the subject property at this time. West of the site are a log pond and the Ebey Mill Company shingle mill with the Dexter Mill Company Saw & Shingle Mill further north.

1912

The subject site is now developed with the Marysville iron works and hardware store along the south side of what is now First Street (formerly Front Street). A small office has been constructed on the southeastern portion of the site. The majority of the Dexter mill located west of the subject site has been removed by this time. No significant changes to the subject property or vicinity were observed in this map.

1926

The majority of the Marysville mill has been removed from the subject property by this time with only several vacant and dilapidated sheds. The eastern spur of the railroad has been truncated near the northwest corner of the subject property. The majority of the buildings related to the Ebey Mill west of the subject property have also been removed by this time and the remaining buildings are also noted as vacant and dilapidated.

1942

The remaining structures located on the subject property include former mill sheds, several outbuildings, a warehouse and “baled hay” storage shed. Several of the abandoned mill buildings remain to the west of the subject property.

Business directories including city, cross-reference, and telephone directories were reviewed, as available, at approximately 5-year intervals for the years spanning 1966 through 1990. According to a review of the city directory abstract, the subject property is addressed as 1326 First Street and listed as W.M. Geddes (1966), Geddes Marine Service (1971-1990), and Les Propeller Service (1990). Additionally the marina itself is listed as 1324 First Street – Geddes Marina (1981 and 1986)

Adjoining or nearby listings include: 1218 First Street – Welco Lumber Company (1966-1990), 1223 First Street – Marysville Trailer Supplies, residential listings, Baxter’s Auto Repair (1966-1990) and 1409 First Street – Marysville Water & Sewer/City Public Works (1966-1986). A summary of the information obtained is provided in the EDR-City Directory Abstract located in Appendix E.

4.3.4 Historical Topographic Map Review

Historical topographic maps that cover the subject property were reviewed and are provided in Appendix E. Results of this review are provided below.

1911: Mount Vernon, WA Scale 1:125,000

The subject property is mapped as undeveloped land located south of the downtown Marysville area. The adjacent railroad tracks to the west of the site are visible at this time and Ebey's Slough, followed by Steamboat and Union Sloughs, are visible south of the site. North of the subject property is the downtown area of Marysville beyond which lies undeveloped land and the Tulalip Indian Reservation. East of the subject property is undeveloped land beyond which lies a small creek and wetlands area.

1947: Marysville, WA Scale 1:50,000

The subject property is mapped as undeveloped land and no structures are visible on the property at this time with the exception of a small structure on the northeast portion of the site. East of the site State Street has been constructed by this time. An unimproved road is also visible leading from 1st Street to Ebey's Slough along the eastern boundary of the subject property. West of the subject property are the Great Northern railway beyond which lies several large commercial buildings (Welco Lumber Facility) followed by a wetland area.

1956: Marysville, WA Scale 1:24,000

The marina at the subject property has been constructed by this time on the central portion of the site. Two buildings are visible on the northern portion of the subject property south of 1st Street, one small structure is mapped on the central portion of the site. East of the subject property is a large apparent mill building and a railway spur that connects with the main railroad line further to north of the subject property. Several structures are visible along First and State Streets east of the site; a water tank is also mapped northeast of the subject property across First Street. Interstate I-5 has been constructed by this time and is visible west of the subject property.

1968: Marysville, WA Scale 1:24,000

The existing storefront building located on the northeastern portion of the subject property has been constructed by this time. The mill building to the east of the subject property has been expanded by this time and several buildings at the lumber company property west of the site (located west of the railway) have been constructed by this time.

1973: Marysville, WA Scale 1:24,000

No significant changes to the subject property or the subject property vicinity were noted during our review of this topographic map.

4.3.5 Other

AESI reviewed a draft version of our Phase II Environmental Site Assessment prepared for the subject property entitled "Phase II Environmental Site Assessment Geddes Marina 1326 First Street Marysville, Washington," and dated October 24, 2008.

A summary of the information contained in the Phase II report is included below:

- *Soil samples from on-shore, terrestrial borings and hand auger explorations were collected in August and September of 2008. Off-shore marine sediment samples were collected from the boat basin in September of 2008. In addition to the soil and sediment samples, ground water samples were also collected. The ground water samples were collected in August and September 2008.*
- *Based on the results of this Phase II ESA, the subject property exhibits the following contamination above the MTCA Method A Cleanup criterion and the WAC 173-204 Marine Sediment Quality Standards:*

Upland soils generally contain arsenic concentrations greater than the MTCA Method A Cleanup criterion of 20 ppm. They also contain scattered cadmium and CPAH concentrations above their respective MTCA Method A Cleanup criterion.

Shallow ground water beneath the site generally exhibits total arsenic concentrations above the MTCA Method A Cleanup criterion of 5 ppb. In addition, shallow ground water in the southeast corner of the property exhibits concentrations of petroleum hydrocarbons, total lead, and chromium, and scattered concentrations of mercury, chromium, and cadmium above the MTCA Method A Cleanup criterion.

Marine sediments contained within the boat basin exhibit elevated concentrations of petroleum hydrocarbons and CPAH concentrations that exceed the WAC 173-204 Marine Sediment Quality Standard.

- *Preparation of a Cleanup Action Plan (CAP) would be required to fully evaluate potential remedial options in order to recommend the most applicable methodology.*

AESI also reviewed a letter-report prepared by The Riley Group, Inc. titled "UST Site Assessment Letter Report, Geddes Marine Sales," dated April 10, 2000. The report identifies an abandoned gasoline underground storage tank (UST) at the northwest corner of the sales office (see Plate 1). Analysis of soil and ground water samples collected from around the UST indicates petroleum hydrocarbon concentrations above MTCA Method A Cleanup Levels at this location.

AESI also reviewed a report prepared by Shannon and Wilson for the same UST location entitled "Underground Storage Tank Excavation Soil Sampling Results, Geddes Marine Sales Property, 1326 – First Street Marysville, Washington", dated July 18, 2010. According to the report confirmatory soil sampling was completed in the open UST excavation at the subject property on June 27, 2000. Five soil samples were collected from the four sidewalls and the bottom of the UST excavation and were subsequently submitted for laboratory analysis for total petroleum hydrocarbons as gasoline (TPH-g) and the gasoline constituents benzene, toluene, ethyl benzene, and total xylenes (BTEX). A single ground water sample was collected from the ground water which accumulated in the excavation; however based on guidance from Ecology, was not analyzed. According to laboratory results, the detected concentrations of TPH-G and BTEX in the soil samples analyzed were below the applicable MTCA Method A cleanup levels. The report concludes that, based upon guidance provided by Ecology staff at the time, it was not necessary to report these findings to Ecology and that evidence of a petroleum release at the site is not present.

Copies of both of the reports discussed above are included in Appendix C, Prior Environmental Reports.

5.0 SITE RECONNAISSANCE

5.1 Methodology and Limiting Conditions

The subject property and general vicinity were visited by a site assessor from AESI on June 24, 2010. Photographs were taken during the site visit to document current site conditions and are provided in Appendix F. Items of potential or recognized environmental significance to the property, if any, were noted. The site visit was limited to non-intrusive observations, and no sampling of soil, ground water, or other types of media was conducted.

5.2 General Site Setting

The subject property and surrounding area are located in a mixed-use area immediately south of downtown Marysville, Washington, just north of Ebey's Slough.

5.2.1 Ground Water Conditions

No ground water seeps or springs were observed during the site reconnaissance. AESI completed subsurface exploration borings across the subject property during a 2008 Phase II ESA. Observed depths to ground water at that time ranged from 4 to 7 feet below ground surface (bgs).

5.2.2 Surface Water Conditions

A man-made marina is located on the central portion of the subject property. Approximately 36 boathouses are located along the perimeter of the marina connected by floating wooden docks. A tide controlled gate allows boat access to Ebey's Slough south of the subject property. A large (approximately 48-inch) storm drain enters the northern portion of the marina from beyond First Street.

According to the current owners of the marina facility storm water entering the marina deposits street debris including cigarette filters, small pieces of plastic and paper debris, and visible amounts of apparent motor oil. AESI observed a minor amount of sheen on the surface of the marina waters in the vicinity of the storm water pipe. No other odors or sheens were observed within the marina waters.

5.3 Exterior Observations

AESI was accompanied by Mr. Ed Geddes, current owner/manager of the Geddes Marina property during the site reconnaissance. During the site visit, the following conditions were noted on the subject property:

- Mr. Geddes indicated that small amounts of gasoline (<5 gallons) were stored in various locations across the marina and within the boat storage facilities.
- AESI observed a number of boats and recreational vehicles in various states of repair spread across the property. According to Mr. Geddes the majority of the boats are to be removed by their respective owners in the coming weeks in preparation for the closing of the marina; several of the vessels were in the process of being dismantled/moved during our site reconnaissance.
- Several 5-gallon containers of paint and weather proofing products were observed on the driveway near the office area. No obvious signs of staining or odors were noted in the vicinity of the paints.
- Several empty 5 gallon buckets and three containers of what appear to be motor oil were observed beneath a tug boat on the southeast portion of the site. According to Mr. Geddes the owner of the vessel is in the process of readying the boat for removal from the marina.
- Small amounts (<5 gallons) of paint, motor oil, petroleum products, and other miscellaneous chemicals/cleaning products were observed within the outboard repair shop, in the boathouses, around the covered work area of the prop shop, and in the boat storage and shop areas on the east-central portion of the subject property. The

observed containers were all clearly labeled and, with the exception of minor staining in the boat store workshop area, no obvious indications of staining or odors were noted in any of these areas.

- Several pole mounted transformers were observed across the subject property.
- A solid waste dumpster was observed on the southeast portion of the subject property located on a concrete driveway along the eastern boundary of the site. No obvious staining or odors were noted in the vicinity of the trash container.
- AESI observed several boat motors and 55-gallon drums located in a fenced storage yard south of the boat store building on the northeastern portion of the subject property. No obvious signs of staining or odors were noted around the drums. According to Mr. Geddes the boat motors were removed from on-site derelict vessels and were being drained and readied for scrap that week in preparation of the closing of the marina.
- AESI observed a large walk-in container located on the northwestern portion of the site; according to the marina owners the container is utilized by a tenant to store tools associated with the impound car lot described below.

During the site visit, the following conditions were noted on adjacent properties:

- Several debris piles containing segments of railroad ties and miscellaneous materials including asphalt pieces were observed along the western boundary of the subject property adjacent to the existing railway line.
- A debris pile of apparent building materials was observed on the southwest corner of property adjacent to the western boundary of the subject property. According to Mr. Geddes he is unsure of the nature of the building materials, or when they were deposited.
- Multiple parked vehicles and boats located behind a tall chain-link fence were observed on the adjacent parcel to the northwest corner of the subject property. According to Mr. Geddes the property is leased to an impound company who utilizes the lot for vehicle storage. No obvious signs of staining were noted surrounding the parked boats and automobiles.

In addition, the following conditions were noted on the surrounding properties:

- The former Welco Lumber Company is located approximately 100 feet west of the subject property beyond the adjacent railroad tracks. The buildings at the former lumber company have apparently been removed and a large portion of the site is now flooded and underwater. The remaining buildings are apparently abandoned.

5.4 Interior Observations

AESI observed the interiors of the boat parts and accessories store, the on-site office building, several of the boathouses and the storage buildings on the eastern portion of the site.

- The boat parts store contains a workshop area where repairs are performed on outboard boat motors. Within the workshop AESI observed various small quantities of oils, fuel, chemicals and a “green” parts cleaning machine. All of these materials were clearly labeled and no obvious signs of staining or leakage were noted during our site reconnaissance.
- AESI did not observe petroleum or chemical products within the observed boat houses; however, according to Mr. Geddes the boathouses only contain minor amounts (<5 gallons) of fuel, paint, and other chemicals for boat maintenance used by the boat house owners (see Section 6.1, “Interview with Owner[s]).
- AESI observed one of the boat storage buildings and “workshops” on the eastern portion of the subject property, currently occupied by a metals artist who welds art pieces utilizing scraps of sheet metal. The workshop contained acetylene welding equipment and various small (<5 gallon) quantities of clear coat and finishing materials, and a classic automobile was stored in the garage portion of the building. AESI did not observe any staining or leakage near the welding/finishing products.
- The office space contained standard office supplies and was finished with gypsum wallboard system (drywall) and utilized a propane wall heater along with several oil-filled space heaters. The retail storefront portion of the building located on the northern portion of the subject property contained boat motors, parts and accessories, and a sales counter.

6.0 INTERVIEWS

During the performance of this Phase I ESA, AESI conducted the following interviews:

6.1 Interview With Owner(s)

AESI interviewed Mr. Ed Geddes, the current owner of the subject property. The information provided by Mr. Geddes is summarized below.

- Mr. Geddes indicated that his family has been associated with the marina property for 75 years, and that he has managed the marina for the last 11 years. According to historical research conducted by Mr. Geddes, the property was originally owned by the Quinn brothers as part of a larger 160-acre homestead in the 1800s. Mr. Geddes believes the property may have housed several buildings and been part of a larger lumber mill operation located adjacent to the subject property.
- Mr. Geddes stated that the property has been marina as long as his family has owned the property (approximately 75 years); although the family has leased portions of property to two small independent saw mill operations in the past and the boat parts and outboard motor repair store building is currently leased to another party.
- Mr. Geddes stated that an abandoned approximate 500-gallon gasoline UST was removed from the northern portion of the property, adjacent to the entrance to the boat parts store, in June of 2000. Mr. Geddes performed tank removal himself under the guidance of Ecology staff and the UST was taken to Eastbury Salvage for recycling, and clean fill was obtained from the Novak Company and placed into the excavation.
- According to Mr. Geddes the original assessment report regarding the abandoned UST was prepared by the Riley Group; with the subsequent UST removal and confirmatory sampling documented in an environmental report prepared by Shannon and Wilson (See Section 4.3.5). Mr. Geddes is also aware of Phase II work completed by AESI for the City of Marysville in 2008. The UST removal and Phase II work performed at the subject property are discussed further in Section 4.3.5, "Other" of this report.
- No fuels (other than approximate 5-gallons) or chemicals are stored at the marina facility Mr. Geddes stated that outboard motors require smaller amounts of motor oil compared to automobiles and that any waste oils generated at the outboard repair shop were disposed of in 55-gallon drums and removed by the Vintage Oil Company as needed during the past.

- According to Mr. Geddes any gasoline that has been stored historically at the site has been stored in appropriate plastic or metal containers. According to Mr. Geddes only small amounts of petroleum products are present at the facility; no large quantities of fuel (such as from diesel/gasoline fueling trucks, or brought in on handcarts in drums, etc.) are delivered to or stored at the subject property.
- Boat house owners are encouraged to not store products in boathouses due to risk of fire and the fact that the boathouses move up and down with tides; additionally the added weight of any materials or supplies stored within the boat houses causes them to sit lower in the water due to the fact that they are floating structures.
- Mr. Geddes indicated that he has been involved in past litigation with the City of Marysville regarding the storm drain which enters the north end of the boat marina, just south of First Street. He stated that the storm drain was depositing contaminated debris, including trash and cigarette filters, moderate amounts of paper and plastic, metals, and motor oil from large paved portions of the city originating in the area north of the subject property.
- According to Mr. Geddes a boat storage building fire, started by a local serial arsonist in 1992, destroyed one 10,000 sq. ft. structure; otherwise no fires chemical spills, or drug labs have occurred or been discovered at the site.
- Mr. Geddes stated that the numerous boats located across the site were in the process of being dismantled and/or moved by their respective owners as they prepare to close down the marina, and were expecting to vacate the site by mid-July 2010.
- Mr. Geddes indicated that there were de minimus amounts of oil staining present in paved areas across the site and potentially in storage yard areas, but that he was unaware of any major releases of oil or other materials to the on-site soils.
- With the exception of the fill material imported to the site in 2000 to fill the UST excavation (see Section 4.3.5), Mr. Geddes was unaware of any large quantities of fill being imported to the site in the past.
- Mr. Geddes was not aware of any environmental liens or current violations of environmental laws with respect to the subject property.
- Mr. Geddes stated that the buildings that are heated at the facility utilize either propane (single office building) or electric.
- Mr. Geddes indicated that there have not been any asbestos or lead-based paint surveys conducted on any of the buildings at the subject property.

- Mr. Geddes indicated that the parcel to the east of the property along Highway 99 contained a foundry and garbage dump, a wrecking yard, an auto body shop and a machine shop in the past, all located along the eastern fringe of the property
- Mr. Geddes indicated several piles of debris including asphalt and railroad ties were present along the western boundary of the subject property adjacent to the railway line

6.2 Interviews With Local Government Officials

AESI interviewed Ms. Kari Chennault, Program Engineer in the City of Marysville Surface Water division. The information provided by Ms. Chennault is summarized below.

- Ms. Chennault indicated that she has been associated with the subject property and the immediate area since approximately 2003. Ms. Chennault stated that to the best of her knowledge the subject property has been owned by the Geddes family and has operated as a boat marina in the past.
- Ms. Chennault stated that she was unaware of any illicit dumping, chemical or petroleum storage, environmental liens, above- or underground storage tanks (ASTs/USTs), or health violations in connection with the subject property.
- Ms. Chennault indicated that she was aware of the removal of the former abandoned UST near the northern portion of the site and has reviewed a draft environmental report regarding the 2008 Phase II ESA work performed by AESI at the subject property.
- Ms. Chennault stated that she was involved with the cleanup and restoration efforts performed at the adjacent Waterfront Park project located east of the subject property. According to Ms. Chennault on-site soils at the site were stripped or remediated and the site is currently enrolled in Ecology's Voluntary Cleanup Program.

AESI completed a request for public records with the Snohomish Health District. According to a response received from the Snohomish Health District has no records pertaining to the subject property.

7.0 FINDINGS

The site consists of an existing marina facility containing a roughly rectangular body of water (boat basin) that is connected to storm water flow from a culvert at the facility's north end and to the Snohomish River (Ebey's Slough) at the facility's south end. Gravel covered and partially paved drive and parking areas surround the central boat basin of the marina on all four sides. Within the boat basin there are numerous floating boathouses and docks. There

are also numerous boats tied up within the marina, some to the docks and some within the boathouses. Topographic gradient of the site appears to be less than approximately 5 percent, except at the water's edge and at the base of the railroad embankment. Total vertical relief across the site appears to be approximately 3 to 5 feet based on field estimates.

There are several shore-based boathouses, warehouses, and marine related repair facilities east and northeast of the boat basin. There is a strip of tidelands and docks supporting several boathouses and boats between the marina property and the Snohomish River, to the south. An elevated Burlington Northern railroad embankment, supporting one set of tracks, is to the west of the property. A City of Marysville park including paved parking, paved drives, a boat launch, and restroom facilities, is to the east of the site. A retail mall is located across First Street to the north of the site.

AESI reviewed a draft version of our Phase II Environmental Site Assessment prepared for the subject property; entitled *Phase II Environmental Site Assessment Geddes Marina 1326 First Street Marysville, Washington*, and dated October 24, 2008. A final version of the Phase II ESA report is presented under separate cover.

A summary of the information contained in the Phase II report is included below:

- *Soil samples from on-shore, terrestrial borings and hand auger explorations were collected in August and September of 2008. Off-shore marine sediment samples were collected from the boat basin in September of 2008. In addition to the soil and sediment samples, ground water samples were also collected. The ground water samples were collected in August and September 2008.*
- *Based on the results of this Phase II ESA, the subject property exhibits the following contamination above the MTCA Method A Cleanup criterion and the WAC 173-204 Marine Sediment Quality Standards:*

Upland soils generally contain arsenic concentrations greater than the MTCA Method A Cleanup criterion of 20 ppm. They also contain scattered cadmium and CPAH concentrations above their respective MTCA Method A Cleanup criterion.

Shallow ground water beneath the site generally exhibits total arsenic concentrations above the MTCA Method A Cleanup criterion of 5 ppb. In addition, shallow ground water in the southeast corner of the property exhibits concentrations of petroleum hydrocarbons, total lead, and chromium, and scattered concentrations of mercury, chromium, and cadmium above the MTCA Method A Cleanup criterion.

Marine sediments contained within the boat basin exhibit elevated concentrations of petroleum hydrocarbons and CPAH concentrations that exceed the WAC 173-204 Marine Sediment Quality Standard.

- *Preparation of a Cleanup Action Plan (CAP) would be required to fully evaluate potential remedial options in order to recommend the most applicable methodology.*

AESI also reviewed a letter-report prepared by The Riley Group, Inc. titled "UST Site Assessment Letter Report, Geddes Marine Sales," dated April 10, 2000. The report identifies an abandoned gasoline underground storage tank (UST) at the northwest corner of the sales office (see Plate 1). Analysis of soil and ground water samples collected from around the UST indicates petroleum hydrocarbon concentrations above MTCA Method A Cleanup Levels at this location.

AESI also reviewed a report prepared by Shannon and Wilson for the same UST location entitled "Underground Storage Tank Excavation Soil Sampling Results, Geddes Marine Sales Property, 1326 - First Street Marysville, Washington", dated July 18, 2000. According to the report confirmatory soil sampling was completed in the open UST excavation at the subject property on June 27, 2000. Five soil samples were collected from the four sidewalls and the bottom of the UST excavation and were subsequently submitted for laboratory analysis for total petroleum hydrocarbons as gasoline (TPH-g) and the gasoline constituents benzene, toluene, ethyl benzene, and total xylenes (BTEX). A single ground water sample was collected from the ground water which accumulated in the excavation; however based on guidance from Ecology, was not analyzed. According to laboratory results, the detected concentrations of TPH-G and BTEX in the soil samples analyzed were below the applicable MTCA Method A cleanup levels. The report concludes that, based upon guidance provided by Ecology staff at the time, it was not necessary to report these findings to Ecology and that evidence of a petroleum release at the site is not present.

AESI did not observe obvious indications of surficial staining, dumping, or environmentally significant releases of chemicals on the subject property. No obvious visual evidence of hazardous materials contamination was discovered in surficial areas of the site examined during our site reconnaissance. However, work completed during the Phase II ESA completed in 2008 identified several locations where soil, sediment, and ground water exceed MTCA cleanup levels or state marine sediment quality standards.

Several off-site properties of potential environmental significance within the ASTM-specified search radii were identified in the Environmental Data Resources, Inc. (EDR) database report. For a variety of reasons (e.g., no documented release; downgradient, crossgradient, or too far from the subject property), most of these off-site properties, in our opinion, are unlikely to pose an environmental risk to the subject property. The potential exception is the former lumber mill that was located adjacent to and directly east of the property. The former mill

property has been remediated, but it is possible that past activities on that site have impacted the Geddes Marina property.

8.0 OPINION

Based on the information gathered during this Phase I ESA, past activities at the site, or on adjacent property, could have impacted soil, ground water, and/or sediment. These activities may have included fuel and oil handling and storage, boat sanding and painting, and storm water discharge from the adjacent mill site.

8.1 Data Gaps

No significant data gaps that would affect our ability to identify recognized environmental conditions on or around the subject property were identified in this assessment.

9.0 CONCLUSIONS

We have performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-05 of the Geddes Marina property located at located in Marysville, Snohomish County Washington south of First Street and north of the Snohomish River (Ebey's Slough). The property is located in Section 33, Township 30 North, Range 5 East. For a complete legal description of the subject property, refer to the Snohomish County assessor records located in Appendix A. Any exceptions to, or deviations from, this practice are described in Section 10.0 of this report. This assessment has revealed the potential for environmental impact to the site due to past activities on or adjacent to the subject property. Completion of a Phase II ESA in October 2008 confirmed that scattered soil, sediment, and ground water have been impacted by various contaminants. The Phase II ESA report, which is presented under separate cover, should be reviewed for details on the types of media contaminated and the various contaminants present.

10.0 DEVIATIONS

No deviations from ASTM Practice E 1527-05 were requested by the user for this assessment.

11.0 ADDITIONAL SERVICES

No additional services were provided as part of the Phase I ESA.

12.0 QUALIFICATIONS

We declare that to the best of our professional knowledge and belief, we meet the definition of environmental professional as defined in §312.10 of 40 CFR312. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed all of the appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

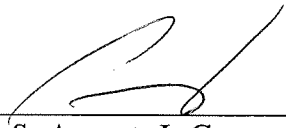
Resumes of the environmental professionals who performed this Phase I ESA are included in Appendix G.

13.0 CLOSURE

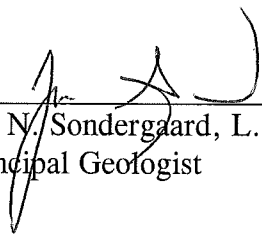
AESI personnel performed this assessment in accordance with generally accepted standards of care that existed in the State of Washington at the time of this study. Our findings and conclusions have been prepared in accordance with generally accepted professional practice in the area at this time. We make no other warranty, either express or implied.

We appreciate the opportunity to be of service to you on this project. If you should have any questions or require additional information, please feel free to contact us.

Sincerely,
ASSOCIATED EARTH SCIENCES, INC.
Kirkland, Washington



Michael S. August, L.G.
Senior Staff Geologist



Jon N. Sondergaard, L.G., L.E.G.
Principal Geologist

14.0 REFERENCES

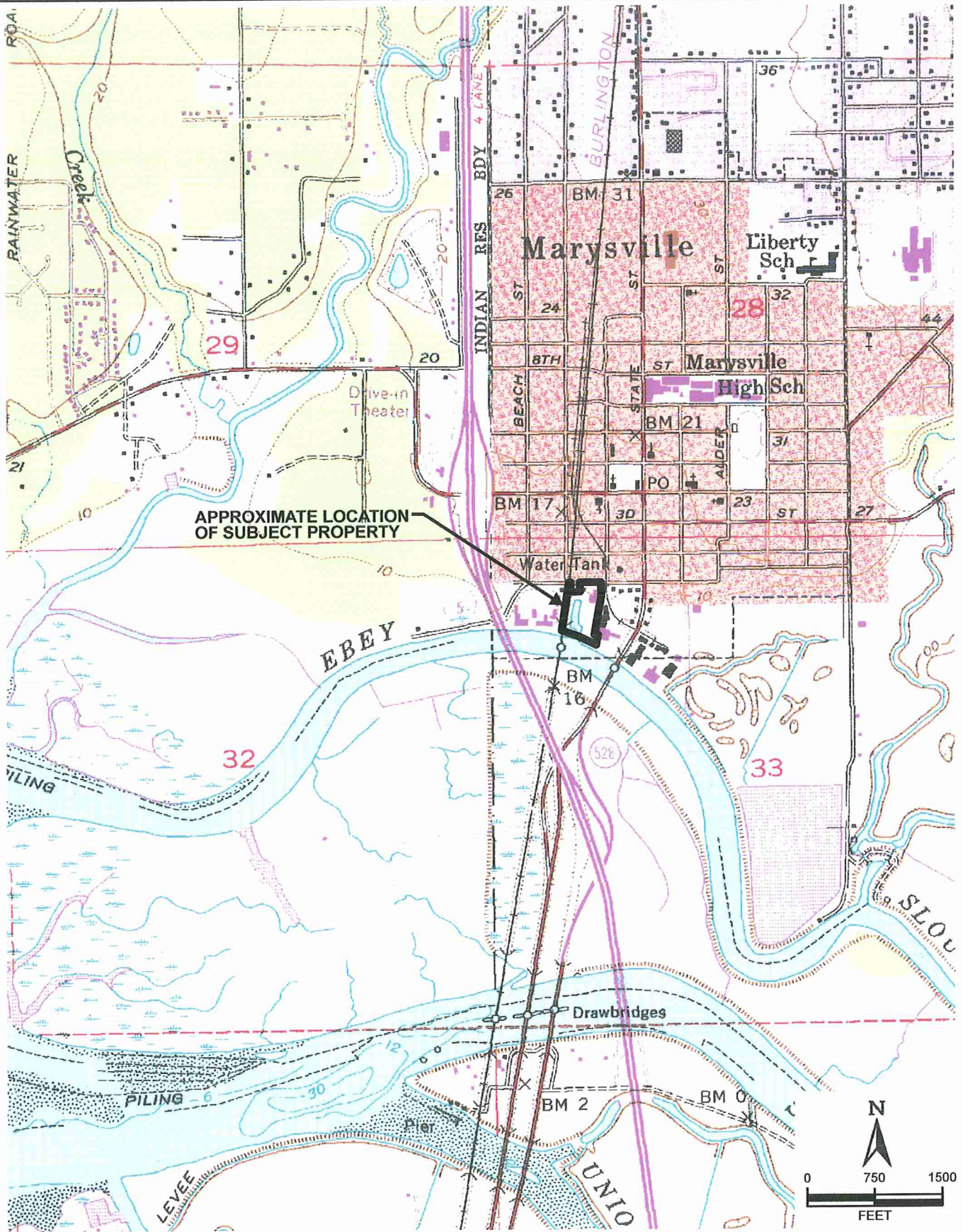
Associated Earth Sciences, Inc. (AESI), Draft Phase II Environmental Site Assessment, Geddes Marina, 1326 First Street, Marysville, Washington, dated October 24, 2008.

Environmental Data Resources, Inc. (EDR), 2010, The EDR radius map with GeoCheck™, Geddes Marina, 1326 First Street Marysville, WA 98270: Milford, Connecticut, June 21, 2010.

Minard, James P., Geologic Map of the Marysville Quadrangle, Miscellaneous Field Studies Map MF-1743, dated 1985.

Riley Group, UST Site Assessment Letter Report, Geddes Marine Sales, dated April 10, 2000.

Shannon and Wilson, Underground Storage Tank Excavation Soil Sampling Results, Geddes Marine Sales Property, 1326 - First Street Marysville, Washington, dated July 18, 2010.



REFERENCE: USGS, SNOHOMISH COUNTY.

Associated Earth Sciences, Inc.



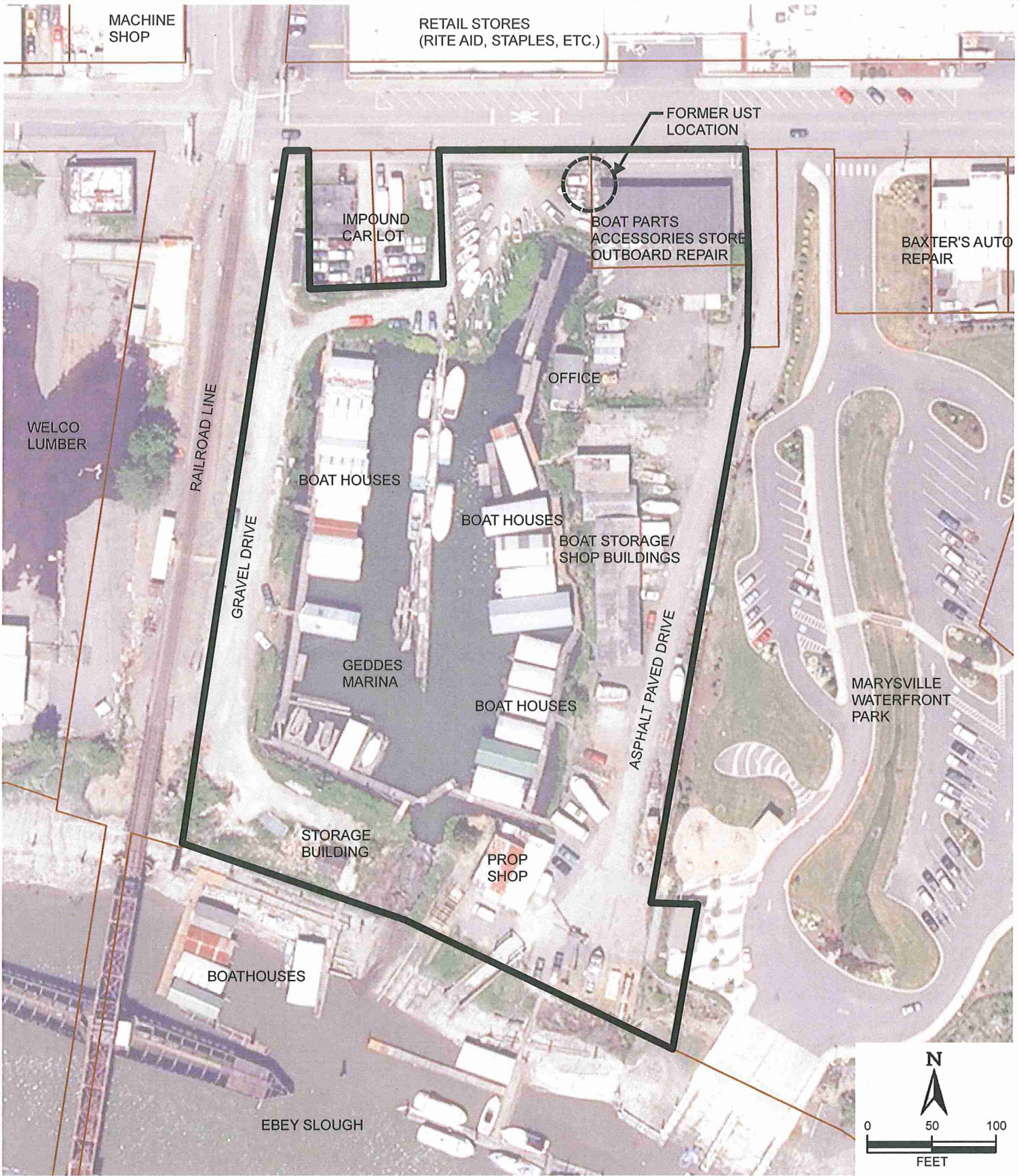
VICINITY MAP
 GEDDES MARINA PHASE I ESA
 MARYSVILLE, WASHINGTON

FIGURE 1

DATE 06/10

PROJ. NO. KV080118B

Z:\m August\KV080118B Geddes Marina Phase I\Vicinity.mxd



REFERENCE: USGS, SNOHOMISH COUNTY.

Associated Earth Sciences, Inc.

SITE PLAN

GEDDES MARINA PHASE I ESA
MARYSVILLE, WASHINGTON

FIGURE 2

DATE 06/10

PROJ. NO. KV080118B



APPENDIX A

Snohomish County Assessor Records **Historical Snohomish County Assessor Records**

30053300203100

GEDDES EDWARD & SUSAN

1326 1ST ST, MARYSVILLE, WA, 98270-4908, USA

Tax ID 33300520310009

Card No. 1 of 1

744

GEDDES EDWARD & SUSAN
1010 43RD
ST, MARYSVILLE, WA, 98271, USA

SEC 33 TWP 30 RGE 05 RT-36E) BEG SE COR
BLK 7 PLAT OF MARY TH S 68 FT TO TPB TH
CONT S 90 FT TH W 120 FT TH N 90 FT TH E
Neighborhood Number
5207000

Neighborhood Name
Marysville Com'l (Fmr 1213000)

TAXING DISTRICT INFORMATION

Jurisdiction Name Snohomish

Area 001

Corporation 025

Section & Plat 0

Routing Number 3005332

Site Description

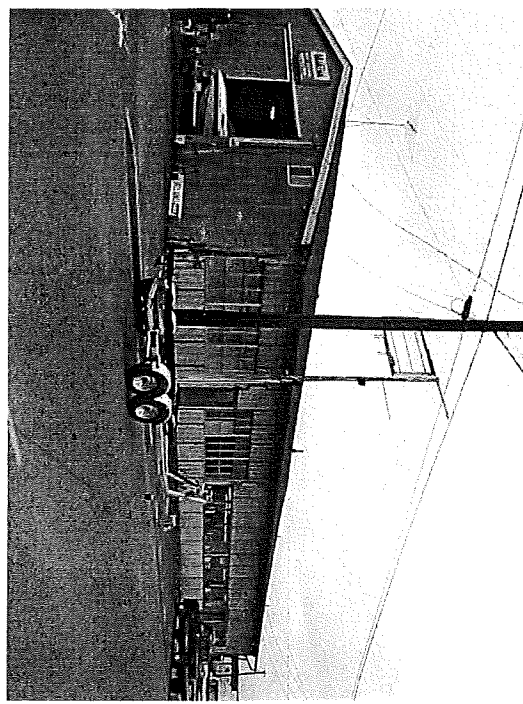
Topography Low
Public Utilities Water, Sewer, Electric
Street or Road Paved, Sidewalk
Neighborhood
Legal Acres: 0.2500
Zoning: MAR DC

Transfer of Ownership

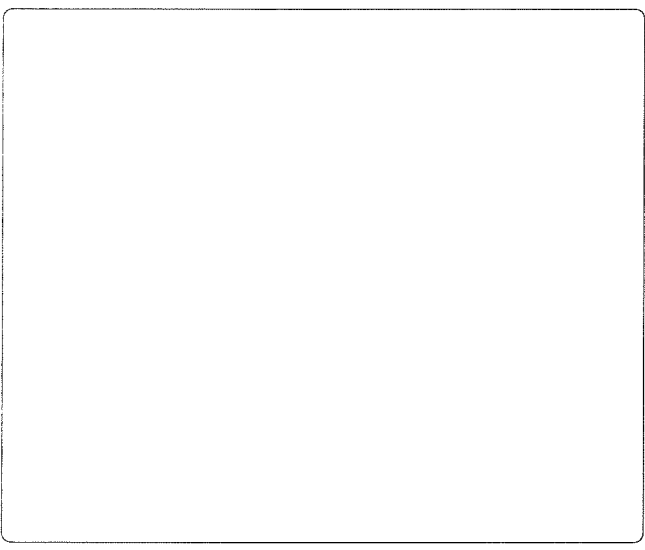
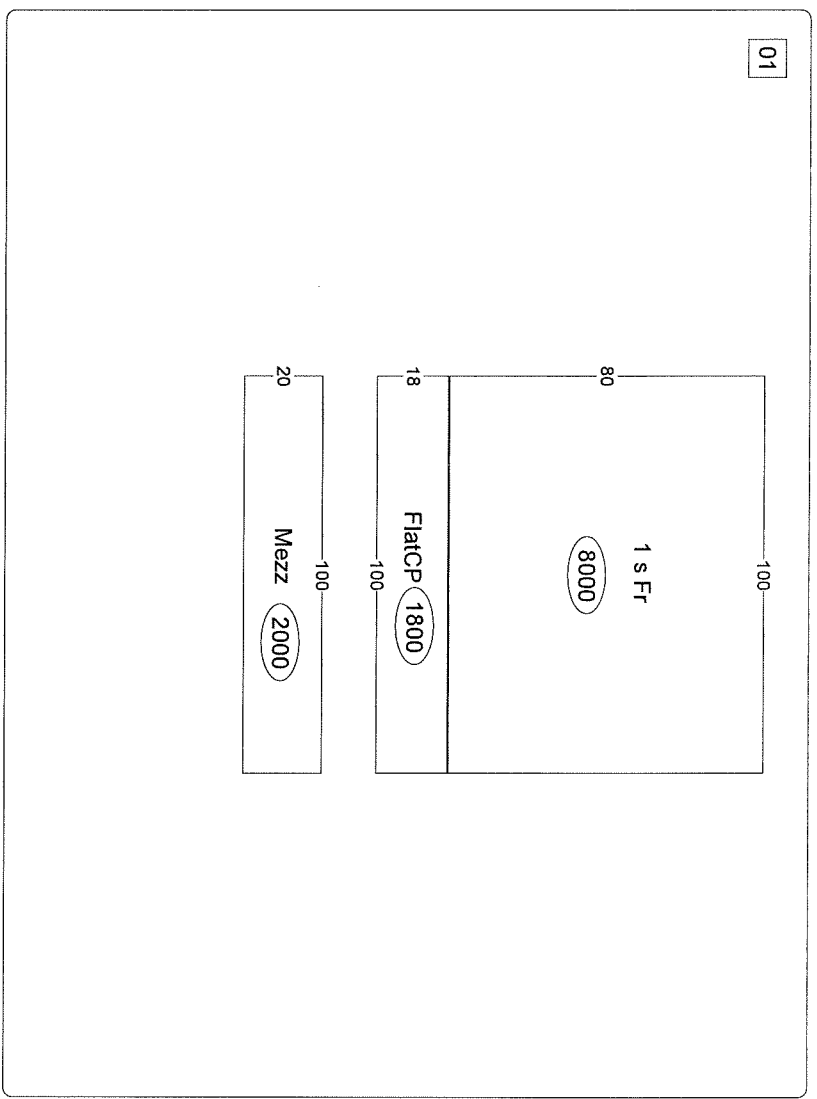
Owner	Consideration	Transfer Date	Deed Book/Page	Deed Type
GEDDES EDWARD W	0	10/02/2000	359348	QC
PAMELA K DALTON	200000	09/25/2000	359350	W
GEDDES STEPHAN A WATA**	200000	09/25/2000	359349	W

Valuation Record

Assessment Year	1999	2001	2004	2005	2006	2007	2008
Reason for Change		Reval	Reval	Reval	Reval	Reval	Reval
	0	20000	80000	87100	103500	103500	103500
	L	20000	83100	206900	256500	376500	446500
	I	85900	103100	294000	360000	480000	550000
	T	20000	0	0	0	0	0
	L	65900	83100	206900	256500	376500	446500
	I	85900	103100	206900	256500	376500	446500
	T	20000	130000	206900	256500	376500	446500



Land Size		Rating, Soil ID - or - Actual Frontage	Acreage - or - Effective Frontage	Square Feet - or - Effective Depth	Influence Factor
7	Commercial I				



Special Features	
Description	
C : Remod 1986	

Summary of Improvements									
ID	USE	Story Height	Const Type	Grade	Year Cons	Year Eff	Cond	Size or Area	
C	GENRET	0.00			1965	1976	F	8000	
01	FENGECL	0.00	51C	Low Avg	1965	1965	AV	180	
02	FLATCP	0.00		Low	1965	1965	AV	18x100	
03	MEZZ	1.00		Low	1965	1965	AV	20x100	

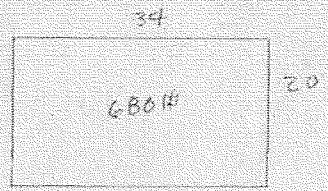
ACCOUNT NUMBER 333005 - 2-027-0005						DATE 5-8-95					
NAME OF BUSINESS (DBA) Gedda Marine											
ADDRESS OF PROPERTY 1326 1ST ST NE											
BLDG USE/TYPE Storage					CLASS 0 LOW		Bldg. Life				
CONDITION		EXTERIOR WALLS		INTERIOR WALLS		INTERIOR TRIM		INCOME INFORMATION ON FILE			
E/G/F/P		✓ Single		Brick		Mahogany		YES	NO	DATE	
Foundation		Double		Concrete		Metal					
Exterior		Brick		Conc Bk		Hemlock					
Interior		Concrete		Plywood		Birch					
		Pre Fab Metal		Plywood Panel							
BUILDING		Glass		Plaster		INSULATION					
1 No. Stories				Plaster Board		Roof Ceiling					
No. Stores		EXTERIOR FACING		Painted		Walls					
Bsmt.		Siding		Papered		Floor		BLDG. PERMITS			
No. Offices		Stucco				WIRING		No.	Date	Amt.	Purpose
No. Apts		✓ Tx 111		INTERIOR CEILING		Minimum		40421	7/84	5440	SHOP
		Brick Venr		Plaster		Average					
UNIT SQ. FEET		Concrete		Plaster Board		Good					
1br		Concrete Bk		Celotex		Special					
2br		Ply - HDBD		Acoustical Spray		HEAT					
3br				Acoustical Susp.		ELEC-GAS-OIL					
4br		FLOOR CONSTRUCT.		Open		Hot Water					
Avg		✓ Wood Frame				Forced Air					
CONSTRUCTION		Car Deck		PLUMBING		Suspended					
✓ Wood Frame		Concrete		No. of Fixtures		Base Board					
Steel Frame		Plywood		Tubs		Heat Pump					
Concrete Bk		Earth		Toilets		Air Condition					
Tilt up				Basins		H.V.A.C.					
Modular				Sinks		DATE BUILT 1905		WALL HT.		SQ. FT.	
Brick		FLOOR FINISH		Utility		Add Yr.		B		B	
		Hardwood		Shower		Eff. Age		1		1 6BD	
FOUNDATION		Lino		HWT		Dep. Phy. Cond.		2		2	
Concrete		Asph. Tile		Urinal		Dep. Econ. Obs.		3		3	
Conc. Bk.		Vinyl Tile		Drink Fount.		Dep. Func. Obs.		4		4	
✓ Post & Pier		Concrete				ITEM		Sq. Ft.	Factor	Product	
None		Terazzo		SOLAR SYSTEM							
		Carpet		Heat							
BSMT.				Hot Water							
Full		Part									
Sub Bsmt.		ROOF CONST.		ROOF COVER							
Parking		✓ Wood Frame		Shake-Shingle							
Service		Steel Frame		✓ Composition							
Finished		Truss		Bit Up							
FLOOR COVER		Ply-Cardeck		Metal							
		Alum Frame									
ELEVATOR		Miscellaneous Items		Miscellaneous Items							
Hyd		Elect		Yard Lites		Drop in Range					
Pass		Freight		Pump Islands		Built in R-O		TOTAL			
Steps		SP		DP		Garbage Disposal		% UNF			
		Monoxo Vents		Hood & Fan		TOTAL					
Miscellaneous Items		Sprinklers		Dish Washer		LESS DEP.					
Fire Place		Thermopane				TOTAL					
Balcony		Tanks				OTHER IMPROVEMENTS					
Stair Ways						TOTAL FV					
Marquee											
Covered Walk						MAIN BLDG.					
Hoists						OTHER BLDGS.					
Air Water						TOTAL FV					
Canopy											

OTHER IMPROVEMENTS

Improvement	Construction	Floor	Roof	Age	Utilization	Area	Factor	Value	% Dep	Deprec.	Net Value

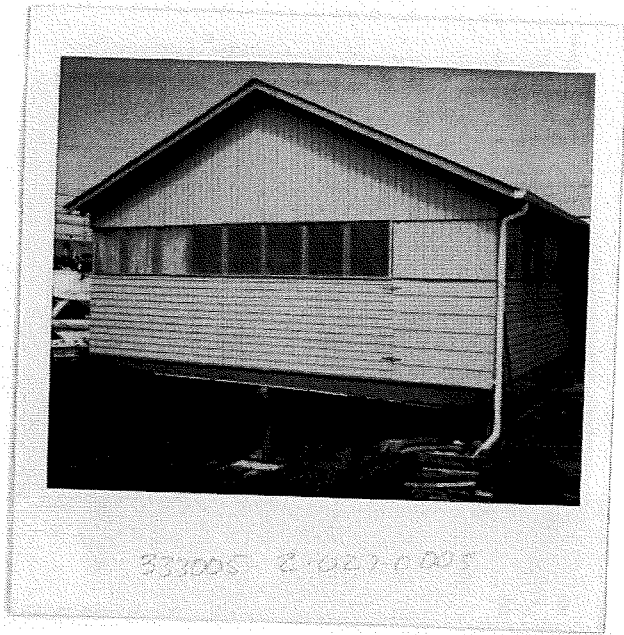
()

REMARKS:



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Section 33 Twp. 30 Rng. 6 RT # 36 Photo 8811-6
 Fee Owner W.M. Grodes Date 2-13-68

Address of Property 19 E. ...
 Bldg. Only land Only Operating Prop. Lease

Bldg. Use/Type Covered Boat Storage Permit #114 (815000)

QUALITY	EXTERIOR WALLS	INTERIOR WALLS	INTERIOR TRIM	HEATING — ELEC	GAS	OIL
E G F P	Single	Acoustical Tile	Fir	Hot Water		Gas Wall
CONDITION	Double	Solid	Hardwood	Radiators		Gas Suspended
<input checked="" type="checkbox"/> FOUNDATION	Brick	Concrete Block	Metal	Floor		Gas Stove
<input checked="" type="checkbox"/> EXTERIOR	Concrete	Plywood	OR	OR		Hot Air
<input checked="" type="checkbox"/> INTERIOR	Skeleton	Plaster	Finished	Electric BB		Air Cond.
BUILDING	Pre-Fab Metal	Plaster Board	CEILING HEIGHT	Electric Panel		Floor Furnace
No. Stories	Tilt Up	Celotex	Bsmt. 1st. 2nd. 3rd. 4th. 5th.	Electric Wall		Heat Pump
No. Stores	Filler Wall	Painted		Electric Radiant		
No. Rooms	Curtain Wall	Papered		SALES DATA		
Basement	OR <i>metal</i>	% Finished	WIRING	INSTRUMENT	MO. DA. YR.	ST. TAX
No. Offices		OR <i>open studs</i>	Minimum			
No. Apts.	EXTERIOR FACING		Average			
UNIT SQ. FEET	Siding	INTERIOR CEILING	Good			
No. RM	Stucco	Plaster	Special			
No. RM	Shakes	Plaster Board				
No. RM	Brick () Veneer	Celotex				
OR	Concrete	Acoustical				
	Concrete Block	Plywood				
	OR <i>C.T.</i>	OR	ELEVATORS	DOCKS & PIERS	SQUARE FEET	
	Sq. Ft.		Pass. Freight	Hvy. Med. Lt.	B	
			Auto. Elec.	Untrd. Pile Timb.	B	
			Mac. Hyd.	Conc. Pile Booms	18000	4
			Escalators	Dolphins	2	5
				Deck	3	6
CONSTRUCTION	FLOOR CONSTRUCTION	PLUMBING				
<input checked="" type="checkbox"/> Wood Frame	Joists X	No. Fixtures				
Steel Frame	On Cen.	Tubs				
	Pre Fab.	Toilets				
Ord. Masonry	Beams	Basins				
Rein. Concrete	Posts X	Sinks				
<input checked="" type="checkbox"/> Post Tension		Utility				
<input checked="" type="checkbox"/> Fillings	Car Deck	Showers				
FOUNDATION	Concrete	Hot Water Tanks				
Post Pier	OR <i>Asph. Asph.</i>	Urinals				
<input checked="" type="checkbox"/> Piling - 12x12 w/ella		Drinking Fountain				
Brick	FLOOR FINISH					
Concrete Block	Fir	BATH FINISH F C W				
Concrete	Hardwood	Tile				
Load Height	Lino	Plastic				
OR <i>NO CONC.</i>	Asph. Tile	Formica				
<input checked="" type="checkbox"/> FOUND.	Vinyl Tile	Plaster Bd.				
BASEMENT	Concrete					
Full. % Part	Terrazzo	OR				
Sub. Bsmt.	OR	Vanities				
Floor	OR					
Garages	ROOF CONSTRUCTION	ROOF COVERING				
Apts.	<input checked="" type="checkbox"/> Wood-Frm. & Joist	Shake-Shingle				
Service	<i>4x12-8x8 Bunkers</i>	Composition				
OR	<i>Steel Frame 4x8x2</i>	Tar & Gravel				
INSULATION	<i>Truss GI Beams 2x4</i>	Tile				
Walls-Ceiling	Shiplap	Metal				
Roof	<input checked="" type="checkbox"/> Car Deck 2"x6"	Blt. Up				
Floor	OR	OR <i>Asph. Paper</i>				
MISCELLANEOUS ITEMS						
Canopy	Balcony	Light Stds.				
Sprinklers	Marquee	Air & Water				
Stairway	Fireplace					
STORAGE LOFT	16,400					
STG LOFT	20,160 (14' x 12' x 12')					

CLASS D-EQUIP 5423

ITEM	SQ. FT.	FACTOR	COST	COST
<i>BR</i>	8000	2.7	2160	
<i>WOOD WALL</i>	8000	2.1	1680	
<i>BR</i>	8000	2.73	21840	
<i>- COM. WALL</i>		-14%	-2185	
TOTAL			2865	14665
% UNFINISHED				
TOTAL				
LESS DEP. 10%				-1465
TOTAL				17,600
OTHER BLDGS.				17,700
TOTAL A.V.				35,300
MAIN BLDG.	1 of 2			17,600
OTHER BLDGS.	2 of 2			8,000
TOTAL A.V.	Total			25,700

1052

TOTAL ACRES	IMPROVED		UNIMPROVED		TIMBER LAND		POSTING REPR.				VALUATION		
	Acres	Value	Acres	Value	Acres	Value	Mo	Da	Yr	Deputy	Ld. & Tmbr.	Imp.	Total
	4.33	10470			5.70		8	24	68	RW		10730	
	4.92	10470					2	23	71	RW		8846	

LAND USE

No. Acres	Class	AV @ Ac	Total	No. Acres	Class	AV @ Ac	Total	No. Acres	Class	AV @ Ac	Total
	Cultivated				Improved				Timber		
	Orchard				Blgd. Site				Waste		
	Pasture				Unimproved						

Other Buildings	Construction	Floor	Roof	Age	Dimensions	S. F. Area	Parcel	Value	% Dep.	Deprec.	Net Value
Garage											
floating dock	cedar logs	under	2x12 planks	1982	6 x 250	1500					

REMARKS:

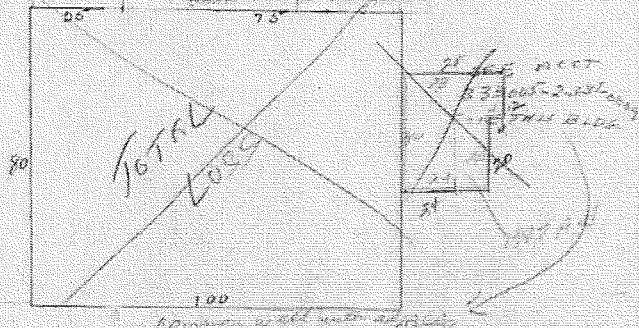
This is a boat storage bldg similar to 1 of 2. The foundation is catch fill with the insulating ceiling on piling. It has 10x2 sills and 2x6 studs 20' long the ceiling is open. The sheathing is metal. The roof const. Tar paper over tar paper with 4-8x32 S.L. beams on 2x6 & 6x12 purlins on 2' E. there are 4-13x10 posts 20' long down the center of the building.

Back floor thru date but considered complete. DW 2/13/68

4-21-8/10/70 - 2100.00
 4-2-71
 Set of 7000 for 3000.00

DESCRIPTION

Boat 450 ft x 101 ft x 4 SW Cor. 100 ft
 Mast 10.67 ft to E. 100 ft to N 100 ft
 320 77 ft M/L to NW Cor. in. boundary
 Mast. M/L to E. 140 ft to E 10.9 ft to
 E. 52.92 ft to any 49 13' 42" N for 500 ft
 M/L to N (Bank Edge) along the W side of
 the Bank through to E line on R/W the N side
 60 ft W of 500 ft M/L TPB L see sub Vol 338, 330
 4405/250.20



APPRAISAL DATA

Deputy	Mo	Da	Yr	Remarks
RW	2	13	68	New Bldg
RW	2	5	71	Damage & Removal
RW	1	3	72	RU
RW	4	3	74	BR Boat Ho

NOTE: SEE PERSONAL PROPERTY DEPT "BOAT HOUSE" BOOK FOR ALL BOAT HOUSES IN SW PORTION OF THIS TRACT. PICKED UP TWO NEW BOAT HOUSES, BUILT APRIL AND MAY, 1971. 413174 HW.



Add. Yr.	B	B	
Eff. Age	10	17	
Dep. Phy. Cond.	29	2	
Dep. Econ. Obs.	3	3	
Dep. Func. Obs.	4	4	
ITEM	Sq. Ft.	Factor	Product
D-ANG 30 SHED 4.75 HT X 15 H X LR X 1.115 HT X .894 P = 4.92	8000	4.92	39,360
TOTAL			39,360
% UNF TREND 1.08/1.08 IN			41.20
TOTAL			47,280
LESS DEP. 29%			13,700
TOTAL			33,580
OTHER IMPROVEMENTS			
TOTAL FV			
MAIN BLDG.			33,530
OTHER BLDGS.			17,760
TOTAL FV			51,290

DATE BUILT	1967	WALL HT.		SQ. FT.
UNF.	B	B		
Date	5/77	17		8000
Effective Age	7	2		
Dep. For Cond	26	3		
" " OBSL.	4	4		
ITEM	Sq. Ft.	Factor	Cost	Cost
3.94 + .20/1.08 P X 1.115 HT X .894 P = 4.13	8000	4.13		33,040
STB LOFT	1600			ALLOW
TOTAL				33,040
% UNF				
TOTAL				
LESS DEP. 26%				8,590
TOTAL				24,450
OTHER IMPROVEMENTS				
TOTAL FV				
MAIN BLDG.				
OTHER BLDGS.				
TOTAL FV				
MAIN BLDG. AV				29,050
OTHER BLDGS. AV				17,510
TOTAL AV				46,560



7/11/57

#L

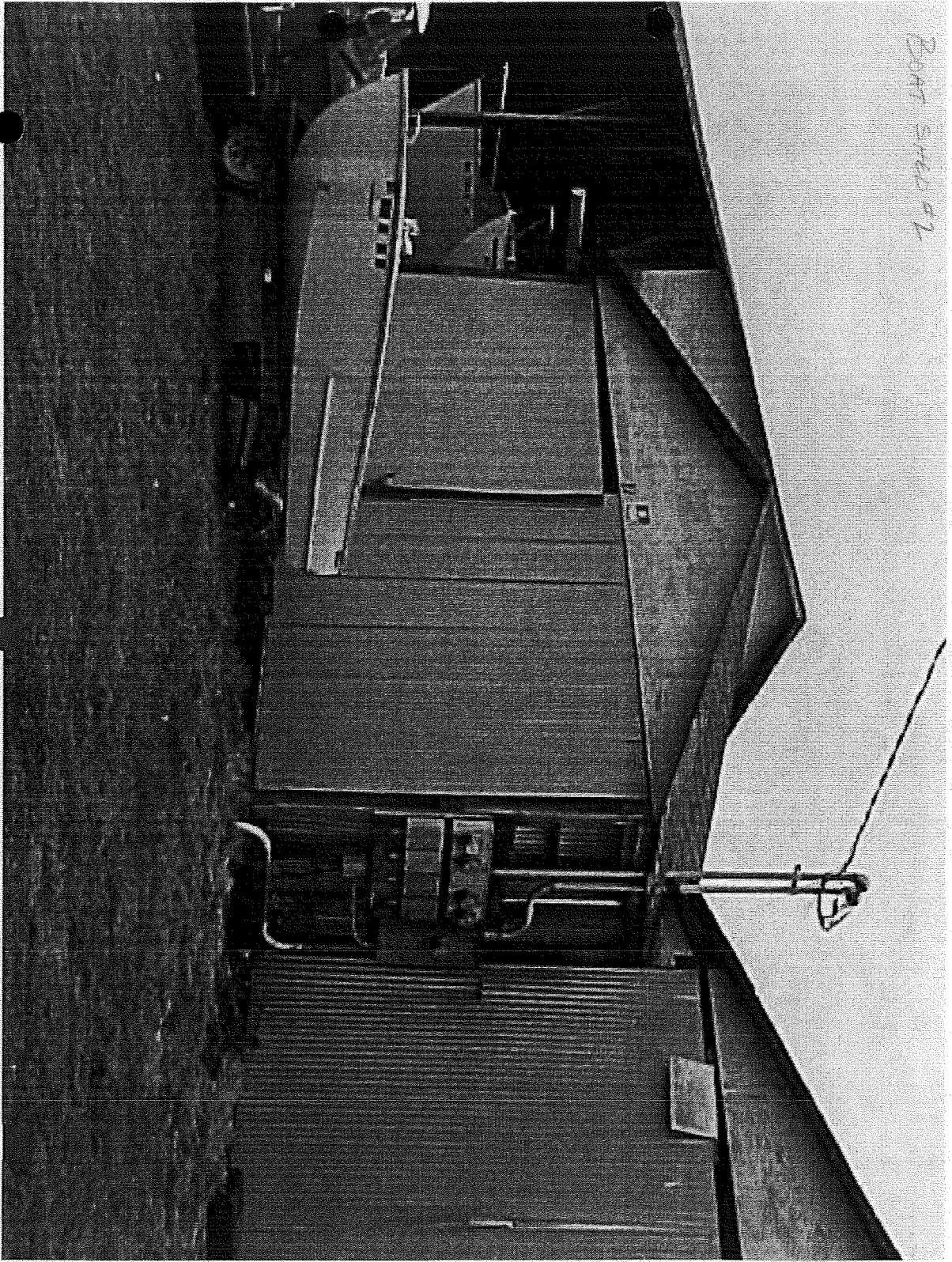


REAR VIEW - #2 WAREHOUSE/
BOAT STORAGE

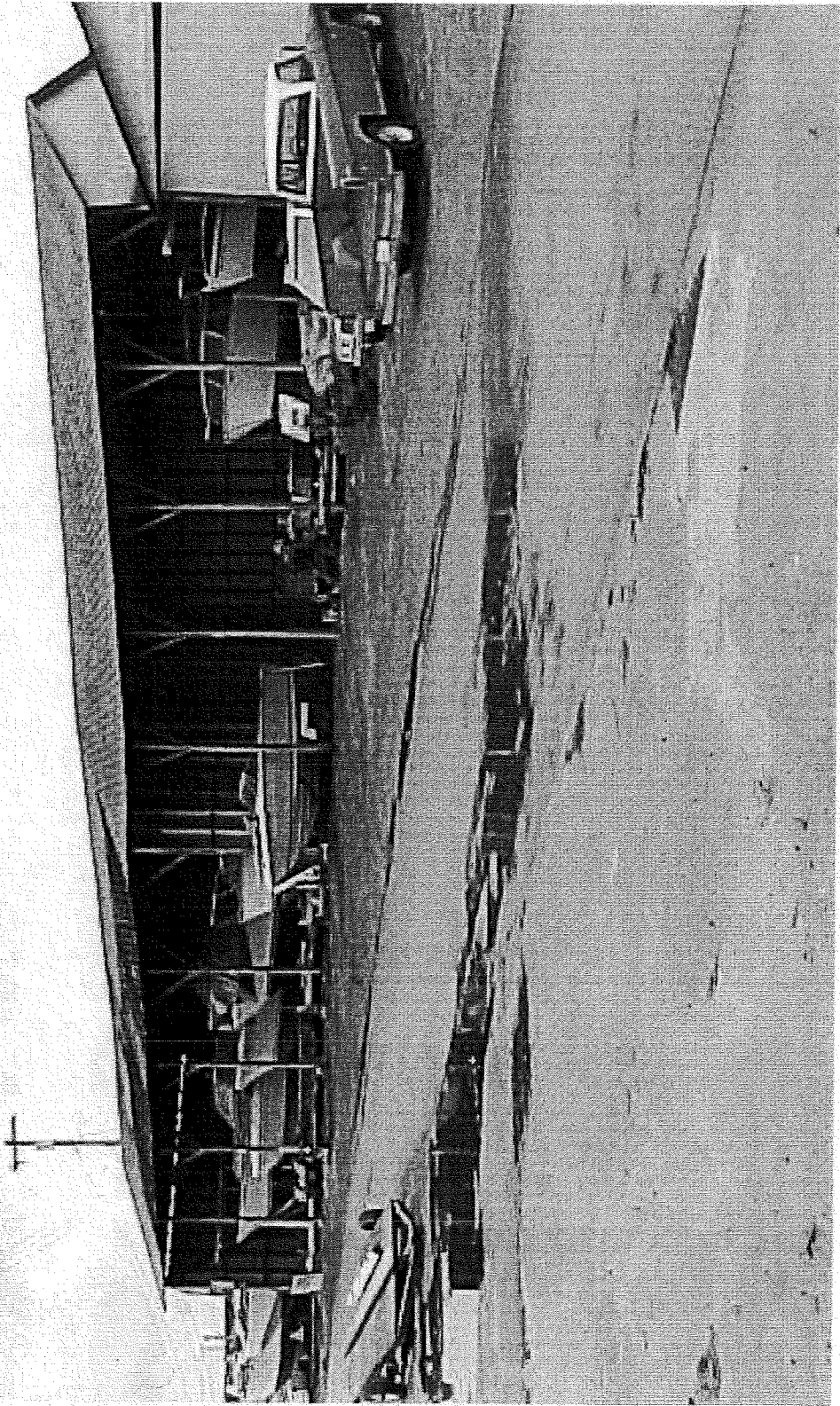
8. FEBRUARY 1971



BOAT SHED #2



BW Storage #3



FORMS FOR FOUNDATION BLDG. ON 4/11/74
NEW BLDG. SPECIFIC: MARCH, 1974

ACCOUNT NUMBER **333005-2-027-0005**

RT#

ADDITION		BLK	LOT
FEE OWNER W. M. Geddes		DATE 3/28/75	
ADDRESS OF PROPERTY			
BLDG USE/TYPE Boat Storage		GLASS Av. Shed Equipment Storage D	Bldg. Life 15
QUALITY	EXTERIOR WALLS	INTERIOR WALLS	INTERIOR TRIM
E G F P	<input checked="" type="checkbox"/> Single	Solid---	Mahogany
CONDITION	<input checked="" type="checkbox"/> Double	Conc Blk	Metal
Foundation	Brick	Plywood	Hemlock
Exterior	Concrete	Plywood Panel	OR
Interior	Pre Fab Metal	Plaster	INSULATION
BUILDING	Tilt Up	Plaster Board	Walls Ceiling
No. Stories	OR	Painted	Floor
No. Stores	EXTERIOR FACING	Papered	Floor
No. Rooms	Siding	OR open	OR
Bsmt	Stucco	OR	BLDG. PERMITS
No. Offices	Tx III	INTERIOR CEILING	No. Date Amt. Purpose
No. Apts	Brick () Venr	Plaster	<input checked="" type="checkbox"/> Minimum 876 12/74 2500 Boat Storage
UNIT SQ FEET	Concrete	Plaster Board	Average 847 9/74 1500 " "
	Concrete Blk	Celotex	Good 787 5/74 1500 " "
	OR Conc. adv. metal Sq. Ft.	Acoustical	Special 776 3/74 2500 " "
OR	FLOOR CONSTRUCT.	OR open	HEAT 1044 3/76 1500 " " E
	Beams X	PLUMBING	ELEC-GAS-OIL
CONSTRUCTION	Posts X	No. of Fixtures	Hot Water
<input checked="" type="checkbox"/> Wood Frame	Joists X	Tubs	Forced Air
Steel Frame	On Cen.	Toilets	Suspended
Ord. Masonry	Car Deck	Basins	Base Board
Concrete	Concrete	Sinks	Heat Pump
Pre Fab	Plywood	Utility	Air Condition
OR	OR Gravel	Shower	DATE BUILT 1974
	FLOOR FINISH	HWT	WALL HT.
FOUNDATION	Hardwood	Urinal	SQ.FT.
<input checked="" type="checkbox"/> Concrete perm.	Lino	Drink Fount.	UNF. -% B B
Conc. Blk	Asph. Tile	OR	Date 3/28/75 1 12'-14' 1
Post & Pier	Vinyl Tile	E G F P	Effective Age 2 2
OR	Concrete	ITEM	Dep. For Cond 3 3
	Terazzo	Sq. Ft. Factor Cost Cost	" " DBSL. 4 4
BSMT	OR Gravel	BATH FINISH F C W	
Full Part	OR	Tile	Av. Shed 1500 1.50 2,250
Sub Bsmt.	ROOF CONST.	Plaster Bd	Equipment Storage 2880 2.00 5,760
Floor	Wood Frame Joists	OR	AVG SHED 3420 1.96 6700
Parking	Steel Frame	Snake Shingle	EQUIPMENT STORAGE 2880 3.94 11,350
Service	<input checked="" type="checkbox"/> Truss FRAMING	Composition	
Apts.	Ply-Cardeck	Bit Up	
OR	OR	Metal	
	OR	OR	
ELEVATOR	Miscellaneous Items	Miscellaneous Items	TOTAL 18050 8,010
Hyd Elect	Yard Lites	Drop In Range	% UNF
Pass Freight	Pump Islands	Built In R-O	TOTAL
Stops	SP DP	Garbage Disposal	LESS DEP. 3% 540
OR	Monoxo Vents	Hood & Fan	TOTAL 17,510
Miscellaneous Items	Sprinklers	Dish Washer	OTHER IMPROVEMENTS
Fire Place	Tanks		TOTAL FV Rounded 8,000
Balcony			MAIN BLDG.
Stair Ways			OTHER BLDGS.
Marquee			TOTAL FV
Covered Walk			MAIN BLDG. AV
Hoists			OTHER BLDGS. A'
Air Water			TOTAL AV 17,510
Canopy			

2 of 2

Total Acres Or Lot No.	Improved		Unimproved		Posting Ref.				Correlated Property Valuation			Land Valuation Method
	Acres	Value	Acres	Value	M	D	Yr	Deputy	Land	Imp	Total	

OTHER IMPROVEMENTS

Improvement	Construction	Floor	Roof	Age	Dimension	Area	Factor	Value	% Dep	Deprec	Net Value
Floor Deck	Concrete	1/2" x 1/2" x 1/2"	Asph/Flt	1962	6 x 250	1500					

Date _____

ANNUAL GROSS REVENUE \$ _____

Vacancy Allowance @ _____% (of annual gross) \$ _____

ANNUAL EFFECTIVE GROSS REVENUE \$ _____
(line 1 minus line 2)

Total annual expense \$ _____

ANNUAL NET INCOME \$ _____

LAND VALUE \$ _____

LAND RATE Interest _____% + Taxes _____% = _____%

Less Land Income-Value \$ _____ x Rate _____%

NET INCOME TO BUILDING \$ _____

+ BUILDING RATE

Interest _____% + Taxes _____% + Recapture _____%

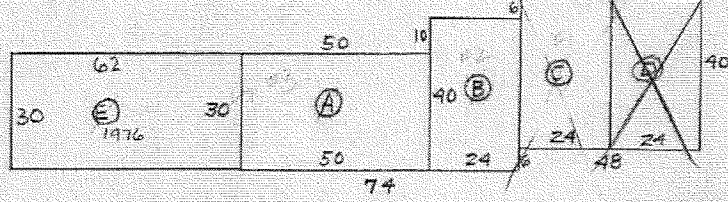
BUILDING VALUE \$ _____

LAND VALUE \$ _____

INDICATED TOTAL PROPERTY VALUE \$ _____
(By Income Approach Only)

All buildings are used for boat storage and are of the same type construction. Each has a concrete perimeter foundation, heavy wood frame with prefab trusses 2' centers, plywood sheathing & composition shingle roof cover, galvanized metal sides, gravel floors, minimum wiring. Building A is open on one side. All constructed with common wall to adjoining building.

REMARKS: NEW BLDG STARTED MARCH 1976 - 1980 ONLY FOUNDATION ON 2 SIDES, WOOD STUDS AND PART OF FLOORING WERE TRIPPED ON THIS DATE. NO COST OF REPAIRS YET. 4/12/74 HWB.

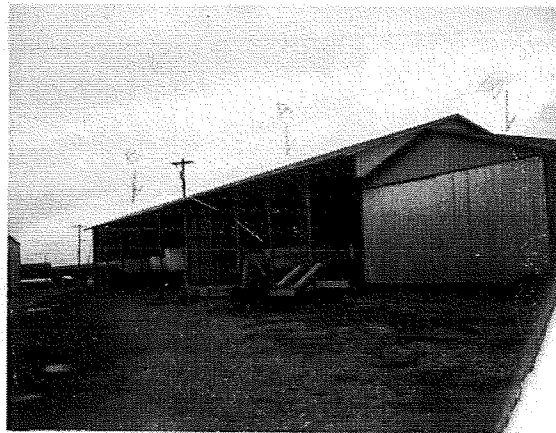


CAD BURNED
DIN. 12-16-92
COSTS HERE
1975

Building A average shed @ 1.50/ft²
Buildings B, C, D equipment storage @ 2.00/ft²
M/ 3/28/75

NEW BOAT STORAGE 30x62. BLDG E SAME CONSTRUCTION AS BUILDING A. 5/77 SKL
AS-3 old sheds - south end of 775 - NW.

Add Yr.	B	B
Eff. Age	5	12.14
Dep. Phy. Cond.	1B	2
Dep. Econ. Obs.	3	3
Dep. Func. Obs.	4	4
ITEM	Sq. Ft.	Factor
BLDG A+E		
AVG SHED	3420	2.33
AVG EQ SIG	2880	4.75
TOTAL		21,650
% UNF		
TOTAL		21,650
LESS DEP.	1B	3,890
TOTAL		17,760
OTHER IMPROVEMENTS		
TOTAL FV		
MAIN BLDG.		
OTHER BLDGS.		
TOTAL FV		



333005-2-027-0005

LISTED AS 15004 DELK



9-14-82



333005-2-027-0005

ACCOUNT NUMBER <i>333005-2-027-0005</i>					DATE <i>5-8-95</i>				
NAME OF BUSINESS (DBA) <i>Geddes Marine</i>									
ADDRESS OF PROPERTY <i>1326 1ST ST NE</i>									
BLDG USE/TYPE <i>Storage</i>					CLASS <i>0</i> <i>LOW</i>		Bldg. Life		
CONDITION		EXTERIOR WALLS		INTERIOR WALLS		INTERIOR TRIM		INCOME INFORMATION ON FILE	
E.G.F.P.		<input checked="" type="checkbox"/> Single		Brick		Mahogany		YES NO DATE	
<input checked="" type="checkbox"/> Foundation		Double		Concrete		Metal			
<input checked="" type="checkbox"/> Exterior		Brick		Conc Bk		Hemlock			
<input checked="" type="checkbox"/> Interior		Concrete		Plywood		Birch			
		Pre Fab Metal		Plywood Panel					
BUILDING		Glass		Plaster		INSULATION			
<input checked="" type="checkbox"/> No. Stories				Plaster Board		Roof Ceiling			
No. Stores		EXTERIOR FACING		Painted		Walls			
Bsmt.		Siding		Papered		Floor		BLDG. PERMITS	
No. Offices		Stucco				WIRING		No. Date Amt. Purpose	
No. Apts		<input checked="" type="checkbox"/> Tx 111		INTERIOR CEILING		Minimum		<i>40921 7/94 5490 SHOP</i>	
		<input type="checkbox"/> Brick <input type="checkbox"/> Venr		Plaster		Average			
UNIT SQ. FEET		Concrete		Plaster Board		Good			
1br		Concrete Bk		Celotex		Special			
2br		Ply - HDBD		Acoustical Spray		HEAT			
3br				Acoustical Susp.		ELEC-GAS-OIL			
4br		FLOOR CONSTRUCT.		Open		Hot Water			
Avg		<input checked="" type="checkbox"/> Wood Frame				Forced Air			
CONSTRUCTION		Car Deck		PLUMBING		Suspended			
<input checked="" type="checkbox"/> Wood Frame		Concrete		No. of Fixtures		Base Board			
Steel Frame		Plywood		Tubs		Heat Pump			
Concrete Bk		Earth		Toilets		Air Condition			
Tilt up				Basins		H.V.A.C.			
Modular				Sinks		DATE BUILT <i>1905</i>		WALL HT. SQ. FT.	
Brick		FLOOR FINISH		Utility		Add Yr.		B B	
		Hardwood		Shower		Eff. Age		<i>1 B 1 680</i>	
FOUNDATION		Lino		HWT		Dep. Phy. Cond.		2 2	
Concrete		Asph. Tile		Urinal		Dep. Econ. Obs.		3 3	
Conc. Bk.		Vinyl Tile		Drink Fount.		Dep. Func. Obs.		4 4	
<input checked="" type="checkbox"/> Post & Pier		Concrete				ITEM		Sq. Ft. Factor Product	
None		Terrazzo		SOLAR SYSTEM					
		Carpet		Heat					
BSMT.				Hot Water					
Full Part									
Sub Bsmt.		ROOF CONST.		ROOF COVER					
Parking		<input checked="" type="checkbox"/> Wood Frame		Shake-Shingle					
Service		Steel Frame		<input checked="" type="checkbox"/> Composition					
Finished		Truss		Bit Up					
FLOOR COVER		Ply-Cardeck		Metal					
		Alum Frame							
ELEVATOR		Miscellaneous Items		Miscellaneous Items					
Hyd Elect		Yard Lites		Drop in Range					
Pass Freight		Pump Islands		Built in R-O		TOTAL			
Stops		SP DP		Garbage Disposal		% UNF			
		Monoxo Vents		Hood & Fan		TOTAL			
Miscellaneous Items		Sprinklers		Dish Washer		LESS DEP.			
Fire Place		Thermopane				TOTAL			
Balcony		Tanks				OTHER IMPROVEMENTS			
Stair Ways						TOTAL FV			
Marquee									
Covered Walk						MAIN BLDG.			
Hoists						OTHER BLDGS.			
Air Water						TOTAL FV			
Canopy									

24
 FM 02 REVAL 89 12/19/88 12/19/88 ACCOUNT NO. 333005-2-027-0005 SD 25
 SITU: P/P NO TYPE L/C 0511
 NBR 1326- UNIT # PRE STREET 1ST TYPE ST SUF
 CITY MARYSVILLE ZIP 98270 CT 529.02 SEC-TWP-RNG 333005-2
 BENCH MARK AREA 190 WTRFT R SNOHOMISH

BUSINESS NAME GEDDES MARINE SERVICE
 US N D X
 BUILDING NO 2 OF 3 OCCUPANCY 49 SHOP BLDG CONSTRUCTION D STYLE 1 STRY
 DATE BUILT 1974 REMODEL DATE CONDITION AVERAGE EFFECTIVE AGE 15 DEPRECIATION % 35
 % UNFINISHED HEIGHT MULT 1.038 PERIM MULT 1.000 BUILDING LIFE 30 MARKET MODIFIER

QUALITY LOW BEDROOMS # FLOOR COVER NONE BUILT IN APPLIANCES INTERCOM
 EXTERIOR METAL FULL BATHS # FLOOR CONST HOOD-FAN VACUUM
 ROOF TYPE PITCHED 3/4 BATHS # FRAME DISHWASHER EL GAR DR
 ROOF COVER COMPOS 1/2 BATHS # CONC GARB DISP HOT TUB
 FOUNDATION CONCRETE PLUMB FIX # HEAT-COOL NONE TRASH COMP SAUNA
 FIREPLACE

1st FLR 2nd FLR 3rd FLR 4th FLR LOFT
 BASEMENT DAYLITE POR DEV QUAL FIN
 GAR QUAL EXTERIOR ATTACHED DETACHED BASEMENT
 CP QUAL LOW ROOF CVR METAL CP PRCH QUAL AVG
 3,360 DECK 1500 BALC ROOF

MEZZANINE COMMERCIAL BASEMENT YARD IMPROVEMENTS LIVING UNITS
 LOFT UNFIN ASPH TYPE #
 UNDEV CEILED CONC STUDIO
 RETAIL FINISHED YD LT #P #F 1 BR
 RET-OFF RETAIL FENCE L/F 2 BR
 OFFICE APT SPRINKLED 3 BR
 BANK OFFICE ELEVATOR TOTAL
 FACTOR % PARKING PARK QUAL
 LENGTH WIDTH AVG HEIGHT 12 PERIMETER 236
 SEE #3

BUILDING VALUES	
P/P	OR 16,100
BLDG \$	20,800
O-IMP \$	0
COMM \$	0
TOTAL \$	20,800

LAND USE		ZONING																			
METHOD	ACRES	SITE UTILITY	QUANTITY	RATE	ACCESS		NEIGH		VIEW		WTR		ELEC		SEWER		FIRE		SOUND		
					LEG	PHY	RD	PWR	WTR	VIEW	WTR	ELEC	SEWER	FIRE	SOUND						
1	2.345																				
LAND VALUE		\$																			
TOTAL ASSESSED VALUE		\$																			
LIEN VALUE		(\$)																			

24
 BUILDING LAND SD 25
 FM 02 REVAL 89 12/19/88 12/19/88 ACCOUNT NO 333005-2-027-0005 L/C 0511
 SITES: P/P NO TYPE
 NBR 1326 UNIT # PRE STREET 1ST TYPE SI SUP
 CITY MARYSVILLE ZIP 98270 CT 529.02 SEC-TWP-RNG 333005-2
 BENCH MARK AREA 190 WTRFT R SNOHOMISH
 BUSINESS NAME GEDDES MARINE SERVICE

U N D E R
 BUILDING NO 1 OF 3 OCCUPANCY 48 EQUIPMENT SHED CONSTRUCTION P STYLE 1 STRY
 DATE BUILT 1967 REMODEL DATE CONDITION AVERAGE EFFECTIVE AGE 20 DEPRECIATION % 53
 % UNFINISHED HEIGHT MULT 1.115 PERIM MULT .894 BUILDING LIFE 30 MARKET MODIFIER

QUALITY AVG BEDROOMS # FLOOR COVER NONE BUILT IN APPLIANCES RANGE-OVEN INTERCOM
 EXTERIOR METAL FULL BATHS # FLOOR CONST HOOD-FAN VACUUM
 ROOF TYPE PITCHED 3/4 BATHS # FRAME [] DISHWASHER EL GAR DR
 ROOF COVER COMPOS 1/2 BATHS # CONC [] GARB DISP HOT TUB
 FOUNDATION P/P PLUMB FIX # HEAT-COOL NONE MICROWAVE
 FIREPLACE

1st FLR [] 8,000 BASEMENT [] GAR QUAL EXTERIOR CP QUAL SUB-STD PRCH QUAL AVG
 2nd FLR [] DAYLITE EXTERIOR ROOF CVR METAL CONC []
 3rd FLR [] POR DEV [] ATTACHED [] CP [] 1,200 DECK [] 1,500
 4th FLR [] QUAL FIN DETACHED [] BALC []
 LOFT [] BASEMENT []

MEZZANINE UNFIN [] 2,800 COMMERCIAL BASEMENT YARD IMPROVEMENTS ASPH [] LIVING UNITS
 UNDEV [] CEILED [] CONC [] STUDIO # []
 RETAIL [] FINISHED [] YD LT #P #F 1BR
 RET-OFF [] RETAIL [] FENCE L/F 2BR
 OFFICE [] APT [] SPRINKLED [] 3BR
 BANK [] OFFICE [] ELEVATOR TOTAL
 BANK [] FACTOR % LENGTH
 PARKING [] PARK QUAL AVG HEIGHT 17
 PERIMETER 436

BUILDING VALUES	
P/P	
BLDG \$	42,100
O-IMP \$	0
COMM \$	0
TOTAL \$	110,100

LAND USE 74420 RECREATION ACT.		ZONING MSVL /G1 /C	
METHOD	ACRES	NEIGH	ACCESS
1	4.37	X	X
2			
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99			
100			

LAND VALUE	
\$	131,100
TOTAL ASSESSED VALUE	
\$	241,200
LIEN VALUE	
\$	0

BUILDING LAND SD 25
 FM 16 REVAL 93 03/05/93 03/05/93 ACCOUNT NO 333005-2-027-0005 L/C 0511
 SITU: P/P NO TYPE
 NBR 13267 UNIT # PRE STREET 1ST TYPE SI SUP
 CITY HARYSVILLE ZIP 92270 CT 529.02 SEC-TWP-RNG 333005-2
 BENCH MARK AREA 190 WTRFT R SNOHONISH
 BUSINESS NAME GEDDES MARINE SERVICE

U N D X				
BUILDING NO	OCCUPANCY	CONSTRUCTION	STYLE	
1 OF 1	49 SHOP BLDG	0	1 STRY	
DATE BUILT	REMODEL DATE	CONDITION	EFFECTIVE AGE	DEPRECIATION %
1974		AVERAGE	15	35
% UNFINISHED	HEIGHT MULT	PERIM MULT	BUILDING LIFE	MARKET MODIFIER
	1.038	1.000	30	

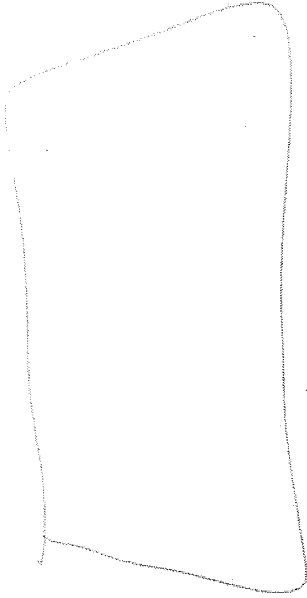
QUALITY	BEDROOMS #	FLOOR COVER	BUILT IN APPLIANCES	
LOW		NONE	RANGE-OVEN	INTERCOM
EXTERIOR	FULL BATHS #	FLOOR CONST	HOOD-FAN	VACUUM
METAL	3/4 BATHS #	FRAME <input type="checkbox"/>	DISHWASHER	EL GAR DR
ROOF TYPE	1/2 BATHS #	CONC <input type="checkbox"/>	GARB DISP	HOT TUB
PITCHED			TRASH COMP	SAUNA
ROOF COVER	PLUMB FIX #	HEAT-COOL	MICROWAVE	
COMPOS		NONE		
FOUNDATION		FIREPLACE		
CONCRETE				

1st FLR <input type="checkbox"/>	1,920	BASEMENT <input type="checkbox"/>	GAR QUAL	CP DUAL	SUB-STO	PRCH QUAL	LOW
2nd FLR <input type="checkbox"/>		DAYLITE	EXTERIOR	ROOF CVR	METAL	CONC <input type="checkbox"/>	
3rd FLR <input type="checkbox"/>		POR DEV <input type="checkbox"/>	ATTACHED <input type="checkbox"/>	CP <input type="checkbox"/>	3,360	DECK <input type="checkbox"/>	1,500
4th FLR <input type="checkbox"/>		QUAL FIN	DETACHED <input type="checkbox"/>			BALC <input type="checkbox"/>	
LOFT <input type="checkbox"/>			BASEMENT <input type="checkbox"/>			ROOF <input type="checkbox"/>	

MEZZANINE	COMMERCIAL BASEMENT	YARD IMPROVEMENTS	LIVING UNITS	
LOFT <input type="checkbox"/>	UNFIN <input type="checkbox"/>	ASPH <input type="checkbox"/>	TYPE	# <input type="checkbox"/>
UNDEV <input type="checkbox"/>	CEILED <input type="checkbox"/>	CONC <input type="checkbox"/>	STUDIO	
RETAIL <input type="checkbox"/>	FINISHED <input type="checkbox"/>	YD LT #F #F	1 BR	
RET-OFF <input type="checkbox"/>	RETAIL <input type="checkbox"/>	FENCE L/F	2 BR	
OFFICE <input type="checkbox"/>	APT <input type="checkbox"/>		3 BR	
BANK <input type="checkbox"/>	OFFICE <input type="checkbox"/>	SPRINKLED <input type="checkbox"/>	TOTAL	
	BANK <input type="checkbox"/>			
	FACTOR %	ELEVATOR	LENGTH	
	PARKING <input type="checkbox"/>		WIDTH	
	PARK QUAL		AVG HEIGHT	12
			PERIMETER	176

BUILDING VALUES	
P/P	
BLDG \$	16,100*
G-IMP \$	0
COMM \$	0
TOTALS \$	16,100

LAND USE 74420 RECREATION ACT.		ZONING MSVI /G1 /C	
METHOD	ACRES	4.37	
SITE UTILITY		1.00	
QUANTITY	RATE		
4.37	40,000		
TOTAL ASSESSED VALUE		\$ 190,900	
LAND VALUE		\$ 174,800	
LIEN VALUE		\$ 0	



20

34

Choi
10/15

REVAL 95 BUILDING LAND SD 25
 FM 04 TAX YR 96 03/05/93 03/05/93 ACCOUNT NO 333005-2-027-0005 L/C 0511
 SITU: P/P NO TYPE
 NBR 1326 UNIT # PRE STREET 1ST TYPE ST SUP
 CITY MARYSVILLE ZIP 98270 CT 529.02 SEC-TWP-RNG 333005 2
 BENCH MARK AREA 190 WTRT R SNOHOMISH
 BUSINESS NAME GEDDES MARINE SERVICE

U N D X
 BUILDING NO 1 OF 2 OCCUPANCY 49 SHOP BLDG CONSTRUCTION D STYLE 1 STRY
 DATE BUILT 1974 REMODEL DATE CONDITION AVERAGE EFFECTIVE AGE 15 DEPRECIATION % 35
 % UNFINISHED HEIGHT MULT 1.038 PERIM MULT 1.000 BUILDING LIFE 30 MARKET MODIFIER

QUALITY LOW BEDROOMS # NONE FLOOR COVER NONE BUILT IN APPLIANCES RANGE-OVEN INTERCOM
 EXTERIOR METAL FULL BATHS # 3/4 BATHS # FRAME CONG DISHWASHER VACUUM
 ROOF TYPE PITCHED 1/2 BATHS # CONG GARB DISP HOT TUB
 ROOF COVER COMPOS PLUMB FIX # HEAT-COOL MICROWAVE SAUNA
 FOUNDATION CONCRETE FIREPLACE

1st FLR 1,920 BASEMENT GAR QUAL SUB-STD PRCH QUAL LOW
 2nd FLR DAYLITE EXTERIOR ROOF CVR METAL CONG
 3rd FLR POR DEV ATTACHED CP 3,360 DECK 1,500
 4th FLR DUAL FIN DETACHED BALC
 LOFT BASEMENT FIREPLACE

MEZZANINE COMMERCIAL BASEMENT YARD IMPROVEMENTS LIVING UNITS
 LOFT UNFIN ASPH TYPE #
 UNDEV CEILED CONG STUDIO
 RETAIL FINISHED YD LT #P #F 1 BR
 RET-OFF RETAIL FENCE L/F 2 BR
 OFFICE APT 3 BR
 BANK OFFICE SPRINKLED TOTAL
 BANK FACTOR % ELEVATOR LENGTH
 PARKING WIDTH
 PARK DUAL AVG HEIGHT 12
 PERIMETER 176

Bldg 25

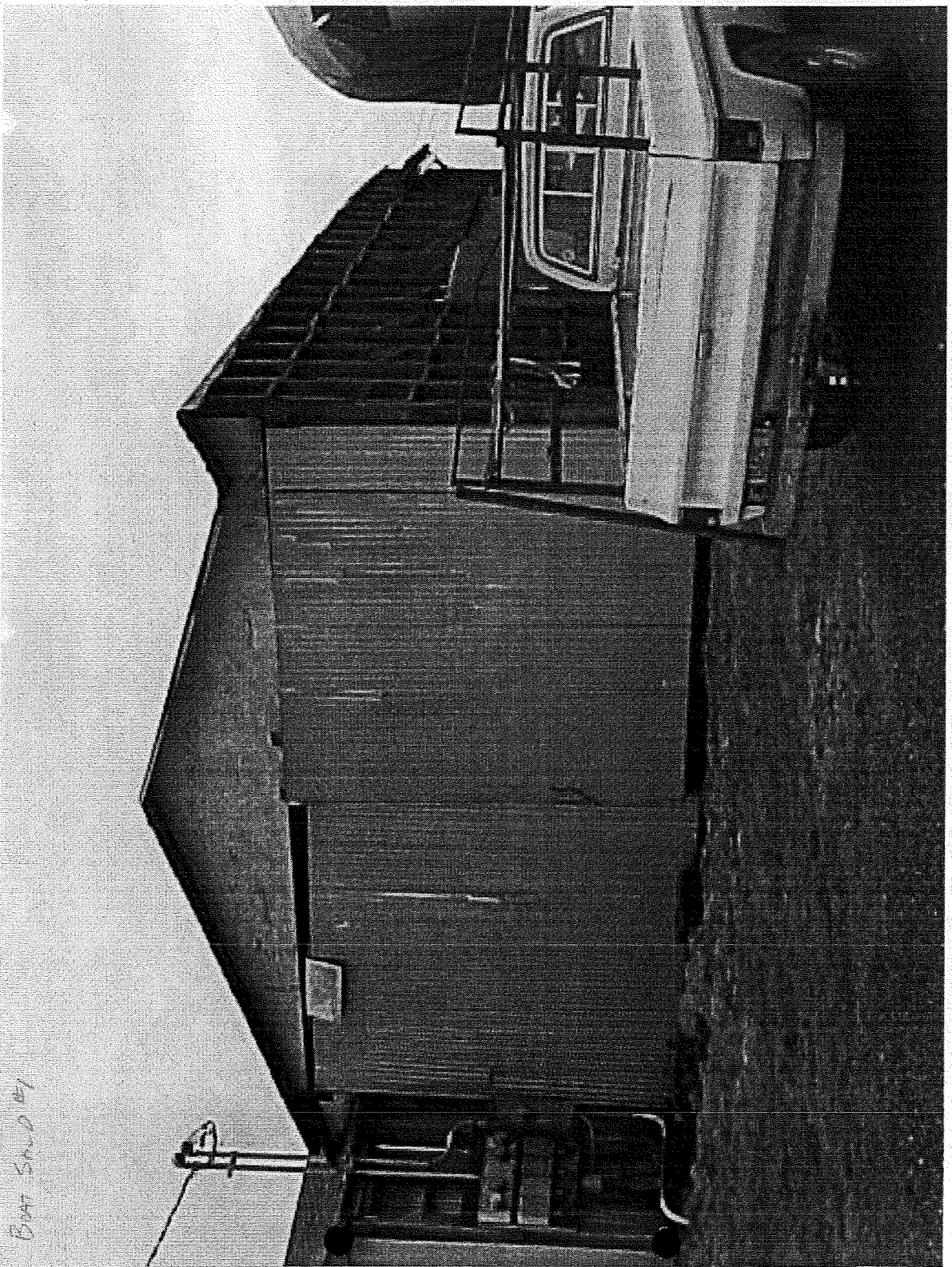
BUILDING VALUES	
P/P	
BLDG \$	16,100*
O-IMP \$	0
COMM \$	0
TOTAL \$	16,100

LAND USE 74420 RECREATION ACT.		ZONING MSVL /G1 /G	
METHOD	ACRES	NEIGH	ACCESS
1	4.37	X	X
2	1.00	X	X
3			
4			
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99			
100			

LAND VALUE	
BLDG \$	174,800
TOTAL ASSESSED VALUE	201,200
LIEN VALUE	
IS	0

APPRAISAL DATA

DEPUTY	DATE	DAY	YEAR	REMARKS
JW	1	3	73	NO CHANGE
RWJ	4	3	74	NO CHANGE IN SHAD - SEE PERSONAL PROPERTY "BEAT MADE" APPR FOR 2 NEW 20RY HOUSES BUILT APRIL 4 MAY 1971 LY 75' @ 11,000 SF MAX 100 STRIP FRONTAGE ON NE STREET @ 1.20 PV 1.00 LESS 40% FOR OPEN CITY STORM SEWER IN NE COR (C) 4/15 ACRES @ 3500 - PV (4000) @ 30% FOR BLOCHE LIMITED BUILDING (MAY 13)
DICK M9	3	28	75	Building permit 876 - Boat Storage building completed
SKL	10	30	79	REVIS.
ES	1	24	83	APPR
ES	3	20	86	APPR
SW	5	13	86	Permit for 20460 House on south side of Betty on address of driveway
JAN	11	23	88	REVIS
ES	1	6	92	From Dept. of # 1247 FIRE LOSS 12-16-92
ES	2	17		FILE ZONING CYCLE SEE PV ON FOR REVISIONS



Boat Sand #1

APPENDIX B

User-Provided Questionnaire

User Provided Information

Name of Person Interviewed: Kevin Nicken

Date: 06/23/10

Address of property (or general description): 1326 1st St. Marysville, WA
99270

Tax identification (parcel) number of property: 300533 002 027 00

Type of Phase I ESA (E1527-00 or E1527-05) and any additional services beyond the standard Phase I ESA scope: 300 533 002 031 00
E1527-00

Why is the Phase I ESA requested?

Property Acquisition

Identification of all parties that will rely on the Phase I ESA:

City of Marysville Staff

Type of property (e.g., undeveloped, residential, agricultural, industrial, commercial)?

Commercial

Type of property transaction (e.g., sale, purchase, exchange, etc.)?

Purchase

Who owned the property in the past? (names and approximate dates if available):

Edward & Susan Geddes

Environmental cleanup liens

Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law? No

Activity and land use limitations (AULs) that are in place on the site or that have been filed or recorded in a registry

Are you aware of any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law? No

Specialized knowledge or experience

As the user of this ESA, do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the

current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

Yes

Relationship of the purchase price to the fair market value of the property if it were not contaminated

Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?

Yes

Commonly known or reasonably ascertainable information about the property

Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as user:

(a.) Do you know the past uses of the property? Yes

(b.) Do you know of specific chemicals, including petroleum, that are present or once were present at the property? Yes

(c.) Do you know of spills or other chemical releases that have taken place at the property? No

(d.) Do you know of any environmental studies and/or cleanups that have taken place at the property? Yes

(e.) Do you know of any Underground Storage Tanks (USTs) that are, or once were, on the property? No

(f.) Are you aware of any previous Phase I Environmental Site Assessments? No

(g.) Are there currently any automotive/industrial batteries, pesticides, paints or other chemical in individual containers on property? Yes

(h.) Are there any industrial drums (55 gallon) on the property? No

(i.) Any soil brought onto the property in large quantities? Unknown

(j.) Observed any staining of the soil around the property? No

(k.) Any dumping observed on the property? No

The degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation
As the user of this *ESA*, based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of contamination at the property? Yes

APPENDIX C

Prior Environmental Reports Title Report Information

July 18, 2000

Mr. Ed Geddes
Geddes Marine Sales
1326 - 1st St.
Marysville, WA 98270

**RE: UNDERGROUND STORAGE TANK EXCAVATION SOIL SAMPLING
RESULTS, GEDDES MARINE SALES PROPERTY, 1326 - 1ST STREET,
MARYSVILLE, WASHINGTON**

Dear Mr. Geddes:

The purpose of this letter is to provide results of soil sampling at an open underground storage tank (UST) excavation in the north-central area of the referenced site. The work was performed in accordance with our proposal dated June 27, 2000, and authorized by you on June 27, 2000. Our scope of work followed informal guidance provided to you by Mr. John Bails of the Washington Department of Ecology (Ecology) on June 7, 2000.

FIELD ACTIVITIES

A Shannon & Wilson representative visited the site on June 28, 2000. The excavation was field-screened using a photo-ionization detector (PID), and soil and groundwater samples were collected from the UST excavation. A number of locations within the excavation that showed elevated PID readings were selected for laboratory testing. Results of field screening are shown on the field notes. Hydrocarbon odors were not noted during field activities.

A soil sample was collected from the bottom of the excavation and one soil sample was collected from each of the four sidewalls. Each sidewall sample was collected from 6 inches behind the sidewall at the bottom center of the sidewall. Groundwater had seeped into the excavation, filling an approximately 4-foot by 2-foot by 0.5-foot deep sump in the bottom of the excavation.

Soil samples were delivered to CCI Analytical Laboratories, Inc. of Everett, Washington for analysis for total petroleum hydrocarbons as gasoline (TPH-G) and benzene, toluene,

Mr. Ed Geddes
Geddes Marine Sales
July 18, 2000
Page 3

SHANNON & WILSON, INC.

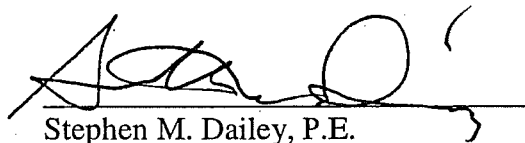
property can occur with time from both natural processes and human activities. In addition, changes in governmental codes, regulations, or law may occur. Because of such changes beyond our control, our observations and recommendations applicable to this facility may need to be revised, either wholly or in part.

This report was prepared for the exclusive use of Geddes Marine Sales and in no way guarantees that an agency or its staff will reach the same conclusions as Shannon & Wilson, Inc. We have prepared "Important Information About Your Environmental Report," attached, to assist you and others in understanding the use and limitations of our reports.

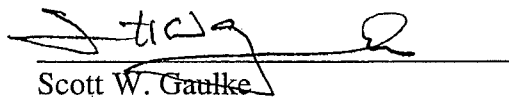
We appreciate this opportunity to be of service to Geddes Marine Sales. If you have any questions or concerns, please feel free to call Stephen Dailey at (206) 695-6706.

Sincerely,

SHANNON & WILSON, INC.



Stephen M. Dailey, P.E.
Project Manager



Scott W. Gaulke
Associate

SMD:SWG/smd

Enclosures: Field Notes
Laboratory Analytical Data Report (CCI Analytical Laboratories, Inc.)
Important Information About Your Environmental Report

c: Mel Takahara, Western Bank

ethylbenzene, and xylenes (BTEX). Based on guidance from Mr. Bails, the groundwater sample was not submitted for analysis.

RESULTS

Analytical results for soil samples are summarized in Table 1 below. Copies of laboratory analytical reports are attached. TPH-G and BTEX were not detected at concentrations greater than Washington Model Toxics Control Act (MTCA) Method A cleanup criteria. No anomalies were noted in the laboratory report.

TABLE 1
SUMMARY OF ANALYTICAL RESULTS

Sample ID	Location	Results in mg/kg				
		TPH-G	Benzene	Toluene	Ethylbenzene	Xylenes
198401	North sidewall	< 8	< 0.1	< 0.1	< 0.1	< 0.3
198402	West sidewall	41	0.5	< 0.2	< 0.2	8
198403	South sidewall	< 5	< 0.1	< 0.1	< 0.1	< 0.3
198404	East sidewall	11	< 0.1	< 0.1	0.2	2.1
198405	Bottom of excavation	27	0.3	< 0.1	0.2	3.6
MTCA Method A Cleanup Criteria		100	0.5	40	20	20

Notes:

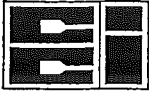
TPH-G results by Northwest Method NWTPH-Gx
BTEX results by EPA Method 8021
< = Not detected at indicated concentration

DISCUSSION

Based on analytical results from the five soil samples, it is our opinion that evidence of a petroleum release is not present at the site. It is not necessary to report these results to Ecology according to our conversation with Mr. Bails on July 10, 2000.

CLOSURE

The data presented in this report are based on limited research at the site and should be considered representative at the time of our observations. Changes in the conditions of the



CERTIFICATE OF ANALYSIS

CLIENT: SHANNON & WILSON
400 N. 34TH STREET, SUITE 100
SEATTLE, WA 98103

DATE: 7/6/00
CCIL JOB #: 006127
CCIL SAMPLE #: 1
DATE RECEIVED: 6/28/00
WDOE ACCREDITATION #: C142

CLIENT CONTACT: SCOTT GAULKE

CLIENT PROJECT ID: GEDDES MARINE 21-1-11984-001
CLIENT SAMPLE ID: 198401 6/28/00 0955

DATA RESULTS

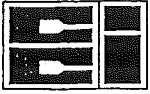
ANALYTE	METHOD	RESULTS*	UNITS**	ACTION LEVEL***	ANALYSIS DATE	ANALYSIS BY
TPH-GASOLINE	NWTPH-GX	ND	MG/KG		7/5/00	LAH
BENZENE	EPA-8021	ND(<0.1)	MG/KG	.5MG/KG	7/5/00	LAH
TOLUENE	EPA-8021	ND(<0.1)	MG/KG	40MG/KG	7/5/00	LAH
ETHYLBENZENE	EPA-8021	ND(<0.1)	MG/KG	20MG/KG	7/5/00	LAH
XYLENES	EPA-8021	ND(<0.3)	MG/KG	20MG/KG	7/5/00	LAH

* "ND" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES
GASOLINE(VOLATILE RANGE) REPORTING LIMIT IS 8 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

*** ACTIONS LEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY
CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY.
THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAKING ANY
DECISIONS BASED ON ANALYTICAL DATA

APPROVED BY: 



CERTIFICATE OF ANALYSIS

CLIENT: SHANNON & WILSON
400 N. 34TH STREET, SUITE 100
SEATTLE, WA 98103

DATE: 7/6/00
CCIL JOB #: 006127
CCIL SAMPLE #: 2
DATE RECEIVED: 6/28/00
WDOE ACCREDITATION #: C142

CLIENT CONTACT: SCOTT GAULKE

CLIENT PROJECT ID: GEDDES MARINE 21-1-11984-001
CLIENT SAMPLE ID: 198402 6/28/00 1000

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ACTION LEVEL***	ANALYSIS DATE	ANALYSIS BY
TPH-GASOLINE	NWTPH-GX	41	MG/KG		7/6/00	LAH
BENZENE	EPA-8021	0.5	MG/KG	.5MG/KG	7/6/00	LAH
TOLUENE	EPA-8021	ND(<0.2)	MG/KG	40MG/KG	7/6/00	LAH
ETHYLBENZENE	EPA-8021	ND(<0.2)	MG/KG	20MG/KG	7/6/00	LAH
XYLENES	EPA-8021	8	MG/KG	20MG/KG	7/6/00	LAH

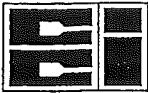
NOTE: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCT WHICH IS LIKELY WEATHERED GASOLINE

* "ND" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES
GASOLINE(VOLATILE RANGE) REPORTING LIMIT IS 5 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

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APPROVED BY: 



CERTIFICATE OF ANALYSIS

CLIENT: SHANNON & WILSON
400 N. 34TH STREET, SUITE 100
SEATTLE, WA 98103

DATE: 7/6/00
CCIL JOB #: 006127
CCIL SAMPLE #: 3
DATE RECEIVED: 6/28/00
WDOE ACCREDITATION #: C142

CLIENT CONTACT: SCOTT GAULKE

CLIENT PROJECT ID: GEDDES MARINE 21-1-11984-001
CLIENT SAMPLE ID: 198403 6/28/00 1005

DATA RESULTS

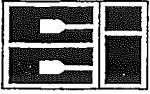
ANALYTE	METHOD	RESULTS*	UNITS**	ACTION LEVEL***	ANALYSIS DATE	ANALYSIS BY
TPH-GASOLINE	NWTPH-GX	ND	MG/KG		7/5/00	LAH
BENZENE	EPA-8021	ND(<0.1)	MG/KG	.5MG/KG	7/5/00	LAH
TOLUENE	EPA-8021	ND(<0.1)	MG/KG	40MG/KG	7/5/00	LAH
ETHYLBENZENE	EPA-8021	ND(<0.1)	MG/KG	20MG/KG	7/5/00	LAH
XYLENES	EPA-8021	ND(<0.3)	MG/KG	20MG/KG	7/5/00	LAH

* "ND" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES
GASOLINE(VOLATILE RANGE) REPORTING LIMIT IS 5 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

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CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY.
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DECISIONS BASED ON ANALYTICAL DATA

APPROVED BY: 



CERTIFICATE OF ANALYSIS

CLIENT: SHANNON & WILSON
400 N. 34TH STREET, SUITE 100
SEATTLE, WA 98103

DATE: 7/6/00
CCIL JOB #: 006127
CCIL SAMPLE #: 4
DATE RECEIVED: 6/28/00
WDOE ACCREDITATION #: C142

CLIENT CONTACT: SCOTT GAULKE

CLIENT PROJECT ID: GEDDES MARINE 21-1-11984-001
CLIENT SAMPLE ID: 198404 6/28/00 1010

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ACTION LEVEL***	ANALYSIS DATE	ANALYSIS BY
TPH-GASOLINE	NWTPH-GX	11	MG/KG		7/6/00	LAH
BENZENE	EPA-8021	ND(<0.1)	MG/KG	.5MG/KG	7/6/00	LAH
TOLUENE	EPA-8021	ND(<0.1)	MG/KG	40MG/KG	7/6/00	LAH
ETHYLBENZENE	EPA-8021	0.2	MG/KG	20MG/KG	7/6/00	LAH
XYLENES	EPA-8021	2.1	MG/KG	20MG/KG	7/6/00	LAH

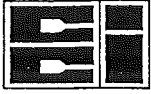
NOTE: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCT WHICH IS LIKELY WEATHERED GASOLINE

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GASOLINE(VOLATILE RANGE) REPORTING LIMIT IS 5 MG/KG

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APPROVED BY: 



CCI
ANALYTICAL
LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT: SHANNON & WILSON
400 N. 34TH STREET, SUITE 100
SEATTLE, WA 98103

DATE: 7/6/00
CCIL JOB #: 006127
CCIL SAMPLE #: 5
DATE RECEIVED: 6/28/00
WDOE ACCREDITATION #: C142

CLIENT CONTACT: SCOTT GAULKE

CLIENT PROJECT ID: GEDDES MARINE 21-1-11984-001
CLIENT SAMPLE ID: 198505 6/28/00 1015

DATA RESULTS

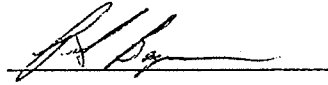
ANALYTE	METHOD	RESULTS*	UNITS**	ACTION LEVEL***	ANALYSIS DATE	ANALYSIS BY
TPH-GASOLINE	NWTPH-GX	27	MG/KG		7/5/00	LAH
BENZENE	EPA-8021	0.3	MG/KG	.5MG/KG	7/5/00	LAH
TOLUENE	EPA-8021	ND(<0.1)	MG/KG	40MG/KG	7/5/00	LAH
ETHYLBENZENE	EPA-8021	0.2	MG/KG	20MG/KG	7/5/00	LAH
XYLENES	EPA-8021	3.6	MG/KG	20MG/KG	7/5/00	LAH

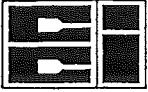
NOTE: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCT WHICH IS LIKELY WEATHERED GASOLINE

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APPROVED BY: 



CERTIFICATE OF ANALYSIS

CLIENT: SHANNON & WILSON
400 N. 34TH STREET, SUITE 100
SEATTLE, WA 98103

DATE: 7/6/00
CCIL JOB #: 006127

DATE RECEIVED: 6/28/00
WDOE ACCREDITATION #: C142

CLIENT CONTACT: SCOTT GAULKE

CLIENT PROJECT ID: GEDDES MARINE 21-1-11984-001

QUALITY CONTROL RESULTS

SURROGATE RECOVERY

CCIL SAMPLE ID	ANALYTE	SUR ID	% RECV
006127-01	NWTPH-GX	TFT	59
006127-01	EPA-8021	TFT	75
006127-02	NWTPH-GX	TFT	57
006127-02	EPA-8021	TFT	64
006127-03	NWTPH-GX	TFT	54
006127-03	EPA-8021	TFT	65
006127-04	NWTPH-GX	TFT	55
006127-04	EPA-8021	TFT	69
006127-05	NWTPH-GX	TFT	87
006127-05	EPA-8021	TFT	83

APPROVED BY: 



Date: July 18, 2000

To: Mr. Ed Geddes

Geddes Marine Sales

Important Information About Your Geotechnical/Environmental Report

CONSULTING SERVICES ARE PERFORMED FOR SPECIFIC PURPOSES AND FOR SPECIFIC CLIENTS.

Consultants prepare reports to meet the specific needs of specific individuals. A report prepared for a civil engineer may not be adequate for a construction contractor or even another civil engineer. Unless indicated otherwise, your consultant prepared your report expressly for you and expressly for the purposes you indicated. No one other than you should apply this report for its intended purpose without first conferring with the consultant. No party should apply this report for any purpose other than that originally contemplated without first conferring with the consultant.

THE CONSULTANT'S REPORT IS BASED ON PROJECT-SPECIFIC FACTORS.

A geotechnical/environmental report is based on a subsurface exploration plan designed to consider a unique set of project-specific factors. Depending on the project, these may include: the general nature of the structure and property involved; its size and configuration; its historical use and practice; the location of the structure on the site and its orientation; other improvements such as access roads, parking lots, and underground utilities; and the additional risk created by scope-of-service limitations imposed by the client. To help avoid costly problems, ask the consultant to evaluate how any factors that change subsequent to the date of the report may affect the recommendations. Unless your consultant indicates otherwise, your report should not be used: (1) when the nature of the proposed project is changed (for example, if an office building will be erected instead of a parking garage, or if a refrigerated warehouse will be built instead of an unrefrigerated one, or chemicals are discovered on or near the site); (2) when the size, elevation, or configuration of the proposed project is altered; (3) when the location or orientation of the proposed project is modified; (4) when there is a change of ownership; or (5) for application to an adjacent site. Consultants cannot accept responsibility for problems that may occur if they are not consulted after factors which were considered in the development of the report have changed.

SUBSURFACE CONDITIONS CAN CHANGE.

Subsurface conditions may be affected as a result of natural processes or human activity. Because a geotechnical/environmental report is based on conditions that existed at the time of subsurface exploration, construction decisions should not be based on a report whose adequacy may have been affected by time. Ask the consultant to advise if additional tests are desirable before construction starts; for example, groundwater conditions commonly vary seasonally.

Construction operations at or adjacent to the site and natural events such as floods, earthquakes, or groundwater fluctuations may also affect subsurface conditions and, thus, the continuing adequacy of a geotechnical/environmental report. The consultant should be kept apprised of any such events, and should be consulted to determine if additional tests are necessary.

MOST RECOMMENDATIONS ARE PROFESSIONAL JUDGMENTS.

Site exploration and testing identifies actual surface and subsurface conditions only at those points where samples are taken. The data were extrapolated by your consultant, who then applied judgment to render an opinion about overall subsurface conditions. The actual interface between materials may be far more gradual or abrupt than your report indicates. Actual conditions in areas not sampled may differ from those predicted in your report. While nothing can be done to prevent such situations, you and your consultant can work together to help reduce their impacts. Retaining your consultant to observe subsurface construction operations can be particularly beneficial in this respect.

A REPORT'S CONCLUSIONS ARE PRELIMINARY.

The conclusions contained in your consultant's report are preliminary because they must be based on the assumption that conditions revealed through selective exploratory sampling are indicative of actual conditions throughout a site. Actual subsurface conditions can be discerned only during earthwork; therefore, you should retain your consultant to observe actual conditions and to provide conclusions. Only the consultant who prepared the report is fully familiar with the background information needed to determine whether or not the report's

recommendations based on those conclusions are valid and whether or not the contractor is abiding by applicable recommendations. The consultant who developed your report cannot assume responsibility or liability for the adequacy of the report's recommendations if another party is retained to observe construction.

THE CONSULTANT'S REPORT IS SUBJECT TO MISINTERPRETATION.

Costly problems can occur when other design professionals develop their plans based on misinterpretation of a geotechnical/environmental report. To help avoid these problems, the consultant should be retained to work with other project design professionals to explain relevant geotechnical, geological, hydrogeological, and environmental findings, and to review the adequacy of their plans and specifications relative to these issues.

BORING LOGS AND/OR MONITORING WELL DATA SHOULD NOT BE SEPARATED FROM THE REPORT.

Final boring logs developed by the consultant are based upon interpretation of field logs (assembled by site personnel), field test results, and laboratory and/or office evaluation of field samples and data. Only final boring logs and data are customarily included in geotechnical/environmental reports. These final logs should not, under any circumstances, be redrawn for inclusion in architectural or other design drawings, because drafters may commit errors or omissions in the transfer process.

To reduce the likelihood of boring log or monitoring well misinterpretation, contractors should be given ready access to the complete geotechnical engineering/environmental report prepared or authorized for their use. If access is provided only to the report prepared for you, you should advise contractors of the report's limitations, assuming that a contractor was not one of the specific persons for whom the report was prepared, and that developing construction cost estimates was not one of the specific purposes for which it was prepared. While a contractor may gain important knowledge from a report prepared for another party, the contractor should discuss the report with your consultant and perform the additional or alternative work believed necessary to obtain the data specifically appropriate for construction cost estimating purposes. Some clients hold the mistaken impression that simply disclaiming responsibility for the accuracy of subsurface information always insulates them from attendant liability. Providing the best available information to contractors helps prevent costly construction problems and the adversarial attitudes that aggravate them to a disproportionate scale.

READ RESPONSIBILITY CLAUSES CLOSELY.

Because geotechnical/environmental engineering is based extensively on judgment and opinion, it is far less exact than other design disciplines. This situation has resulted in wholly unwarranted claims being lodged against consultants. To help prevent this problem, consultants have developed a number of clauses for use in their contracts, reports and other documents. These responsibility clauses are not exculpatory clauses designed to transfer the consultant's liabilities to other parties; rather, they are definitive clauses that identify where the consultant's responsibilities begin and end. Their use helps all parties involved recognize their individual responsibilities and take appropriate action. Some of these definitive clauses are likely to appear in your report, and you are encouraged to read them closely. Your consultant will be pleased to give full and frank answers to your questions.

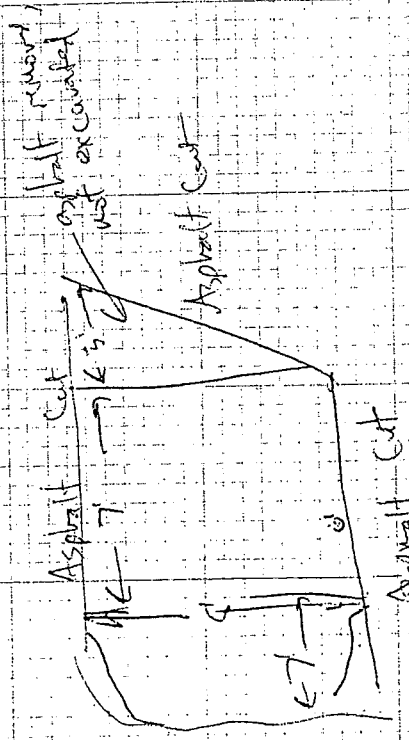
The preceding paragraphs are based on information provided by the
ASFE/Association of Engineering Firms Practicing in the Geosciences, Silver Spring, Maryland

6/28/00

0840 SMD ON SITE

70 F. SUNNY

①

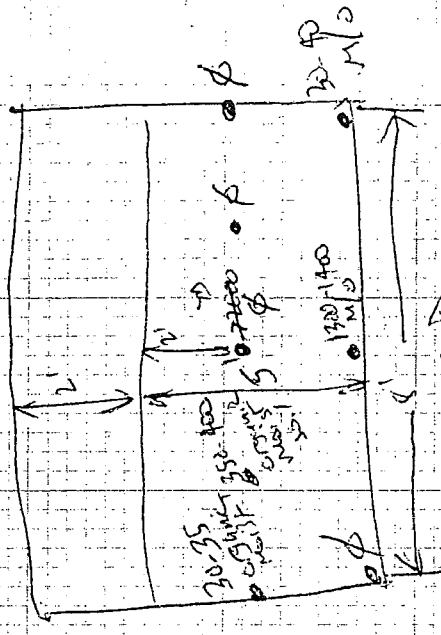


depth 6.5'
 sidewalls nearly vertical
 sheen on water sheen
 breaks up when touched

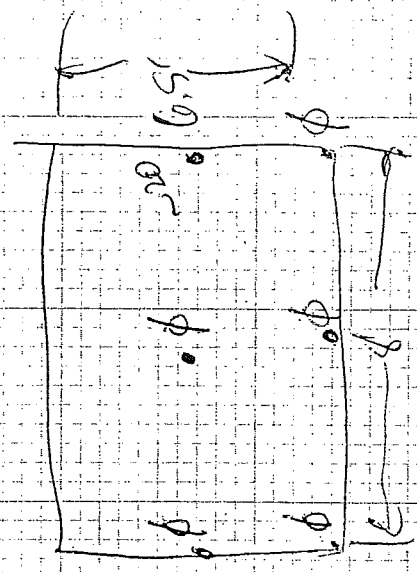
②

Ambient PID is like a ϕ
 Tank installed 1960s
 removed in Mar. 2000

W. FACE PID



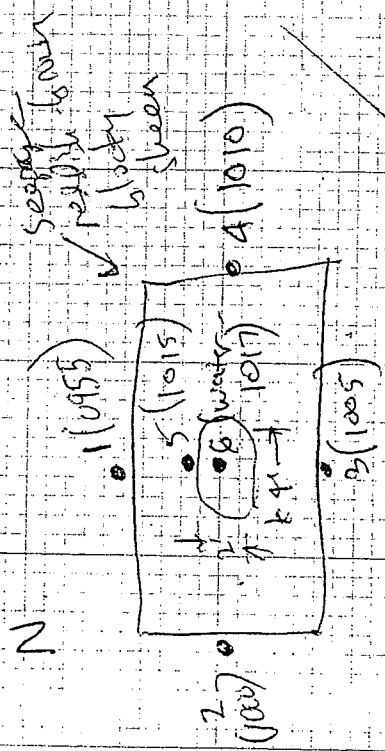
E. FACE PID



(3)

SAMPLES

← 2



~~10/9~~

~~10/9~~

TRANSMITTAL

TO	Ed and Susan Geddes	DATE	10/26/07
COMPANY	Geddes Marine Sales	PHONE	360-659-2575
ADDRESS	1326 1 st St	FAX	
	Marysville, WA 98270	JOB NO.	21-1-11984-001
SUBJECT	S&W JOB NO. 21-1-11984-001		

THE FOLLOWING ITEMS ARE TRANSMITTED:

DATE	NO. COPIES	DESCRIPTION
07/2000	1	Letter Report, Underground Storage Tank Excavation Soil Sampling Results, Geddes Marine Sales Property, 1326 1st St, Marysville, Washington

- Per your request
 For your approval
 For your information
 For your files
 For your review
 For your action
 Return with comments
 Other

Comments:

By: Jamie S. Cartwright

c: _____

Title: Records Department

October 26, 2007

Edward and Susan Geddes
Geddes Marine Sales
1326 1st St
Marysville, WA 98270

**RE: REUSE OF REPORT, UNDERGROUND STORAGE TANK
EXCAVATION SOIL SAMPLE RESULTS, GEDDES MARINE SALES
PROPERTY, 1326 1ST STREET, MARYSVILLE, WASHINGTON, SHANNON &
WILSON, INC. JOB NUMBER 21-1-11984-001**

The enclosed document furnished by Shannon & Wilson, Inc. was prepared for the above referenced project only and for use only at that time. It is not intended to be used on any other project. If this document is reused without Shannon & Wilson's written permission, Shannon & Wilson, Inc. will not be held responsible for any claims, damages, losses or expenses resulting from such reuse. Verification or adaptation of this document for reuse will entitle Shannon & Wilson, Inc. to further compensation.

By accepting the enclosed document, it is understood that you agree with the above statement.

Sincerely,

SHANNON & WILSON, INC.



Scott Gaulke, P.E. L/H.G.
Vice President

SWG/jsc



The Riley Group, Inc.

Geotechnical Engineering • Environmental Earth Sciences • Materials Testing Laboratory

April 10, 2000

Mr. Ed Geddes
Geddes Marine Sales
1326 First Street
Marysville, Washington 98270

**RE: UST Site Assessment Letter Report
Geddes Marine Sales
1326 First Street
Marysville, Washington 98270
Project #2000-33**

Dear Mr. Geddes:

This letter report presents The Riley Group, Inc.'s (Riley) site assessment findings for a single abandoned underground storage tank (UST) located at the Geddes Marine Sales (site) property in Marysville, Washington.

In January of 2000, Riley was contracted to perform a Transaction Screen site assessment at the site. During the Transaction Screen site visit, one abandoned gasoline UST was identified at the site. The UST reportedly has a maximum capacity of 500 gallons, and was used at the site to fuel the boat lift, delivery trucks, and tractors. Riley understands that the UST was closed in-place and filled with a sand slurry in approximately 1975. It is unknown whether soil sampling was performed in the vicinity of the UST during or following UST closure. Geddes Marine Sales contracted Riley to perform an additional investigation to establish the status of soil and groundwater in the vicinity of the UST. This investigation was performed to evaluate environmental concerns regarding the UST identified in our Transaction Screen report. For a more details regarding our findings, please refer to our *Transaction Screen Report* dated January 21, 2000.

The objectives of this project were to determine if:

- Subsurface soil adjacent to and beneath the abandoned UST has been affected by a historic release petroleum hydrocarbons;
- Compare concentrations of the contaminants of concern (petroleum hydrocarbons, gasoline) in soil, if any, to the Washington State Department of Ecology (Ecology) Model Toxics Control Act (MTCA) routine Method A Soil Cleanup Regulations (173-340-740); and to
- Prepare a final UST Site Assessment report. The report will present Riley's findings, conclusions, and recommendations, if any.

EXHIBIT 5

This work was performed in general accordance with our *UST Site Assessment* proposal dated February 16, 2000. Riley was authorized to perform the work by Mr. Ed Geddes on February 17, 2000.

SITE LOCATION & DESCRIPTION

The subject site is located at 1326 First Street, north of the Ebey Slough waterway in Marysville, Washington (Figure 1). The property is currently owned and occupied by Geddes Marine Sales, a boat and equipment retail business.

UST LOCATION AND DESCRIPTION

The abandoned UST is located approximately five feet north of the northwest corner of the retail building. A former gasoline pump island foundation is located adjacent to the building and is connected to the UST via steel product piping (Figure 2).

Prior to Riley's arrival on site, Mr. Geddes removed soil above the UST where accessible. Removal of surficial soil indicated that the UST is orientated east-west and is covered with a concrete slab. The majority of the UST was buried beneath a strip of asphalt paving that runs in front of the building. Approximately one foot of the concrete slab overlying the UST was visible; the remaining portion of the slab was buried beneath overlying asphalt pavement. Inspection of the fill port suggested that the UST had been filled with a sand slurry.

Washington regulates all USTs used to store gasoline fuel with the exception farm or residential USTs (<1,000 gallons), and USTs with a capacity of less than 100 gallons. Because the UST has a capacity of 500 gallons, it is regulated under Washington UST regulations (Chapter 173-360 WAC), including associated assessment, closure and reporting requirements.

UST SITE ASSESSMENT

On February 22, 2000 Riley advanced a total of three borings (HA-1 to HA-3) adjacent to the abandoned UST system. Borings were advanced to a maximum depth of 6 feet below ground surface (BGS) utilizing a hand auger. Borings HA-1 and HA-2 were advanced north and south of the exposed portion of the UST and near the fill port, respectively. Boring HA-3 was advanced south of and adjacent to the former fuel dispenser location. Riley attempted two additional borings west of the UST but encountered refusal at two feet BGS.

SUBSURFACE CONDITIONS

Soils intercepted in all borings generally consisted of gravelly silty sand from grade to approximately 4 feet BGS. From 4 to 5 feet BGS a layer of organic material and wood was encountered. This organic layer was underlain by a clayey silt layer.

Groundwater was encountered in all borings at approximately 4 feet BGS.

SAMPLING & FIELD SCREENING RESULTS

A total of seven discrete soil samples were collected during this project. Samples were collected from the hand auger at approximate 1 to 2-foot intervals. In addition, one

groundwater grab sample was collected from boring HA-2 using a clean, disposable hand bailer.

All soil samples were field screened for the presence of volatile organic compounds (VOCs) using a portable gas analyzer equipped with a photoionization detector (PID). The PID is useful for detecting VOCs typically associated with petroleum hydrocarbons.

Soil samples had VOC concentrations ranging from non-detect (ND) to 58 parts per million (ppm). The highest VOC concentration was detected in a soil sample collected from the boring HA-2 at 5 feet BGS.

Soil discoloration, moderate to heavy petroleum sheens, and petroleum odors were detected in soil samples collected from borings HA-1 and HA-2. Petroleum contamination was generally encountered at depths of between 3 to 6 feet BGS. No odors, staining, or sheens were observed in soil samples collected from boring HA-3.

Samples were placed in a chilled cooler for transport to the analytical laboratory. Samples were submitted to CCI Laboratories, Inc. of Everett, Washington for laboratory analysis.

Laboratory Analytical Test Methods

One worst-case soil sample from boring HA-2 (HA2-5.0) was analyzed to determine the presence of gasoline, diesel, and oil-range petroleum hydrocarbons using Ecology Test Method NWTPH-HCID. Based on the laboratory's interpretation of the sample chromatograph used in the HCID analysis, weathered gasoline was identified in the sample.

A total of three discrete soil samples were selected for laboratory analysis based on field screening results. Based on the identification of gasoline range petroleum indicated in HCID results, these samples were analyzed to determine the respective concentrations of gasoline range petroleum hydrocarbons using Ecology Test Method NWTPH-Gx/BTEX.

In addition, one groundwater grab sample was analyzed to determine the concentration of gasoline range petroleum hydrocarbons using Ecology Test Method NWTPH-Gx/BTEX.

Results of Laboratory Analysis

Laboratory analytical results are presented in Tables 1 and 2 are summarized below. Copies of the laboratory analytical report and chain of custody are included in Appendix A.

Petroleum hydrocarbons were detected in the analyzed soil samples at concentrations ranging from ND to 3,900 milligrams per kilogram (mg/kg) for total petroleum hydrocarbons (TPH) as gasoline, ND to 1.8 mg/kg for benzene, ND to 8.3 mg/kg for toluene, ND to 47 mg/kg for ethylbenzene, and ND to 260 mg/kg for total xylenes.

The groundwater sample collected from boring HA-2 contained detectable concentrations of petroleum hydrocarbons at a concentration of 26,000 micrograms per

liter (ug/l) for TPH as gasoline, 260 ug/l for benzene, 170 ug/l for ethylbenzene, 870 ug/l for toluene, and 4,600 ug/l for total xylenes.

CONCLUSIONS & RECOMMENDATIONS

Gasoline range petroleum hydrocarbons were present in soil and groundwater in the vicinity of the abandoned UST at concentrations exceeding Ecology's MTCA Method A soil and groundwater cleanup levels (WAC 173-340-720 & 740).

Soil samples collected from the boring adjacent to the former gasoline pump dispenser did not have detectable concentrations of petroleum hydrocarbons.

Data suggests that the UST has released petroleum hydrocarbons to the subsurface environment. The lateral and vertical extent of petroleum hydrocarbon affected soil and groundwater has not been determined.

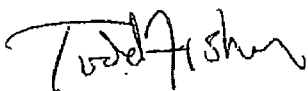
Riley recommends that an additional investigation be performed at the site to determine both the extent and magnitude of petroleum hydrocarbon-affected soil and groundwater. This additional work should be performed following removal of the UST.

In addition, in accordance with petroleum release requirements, UST owners and operators are required to report confirmed releases to Ecology within 24 hours of discovery.

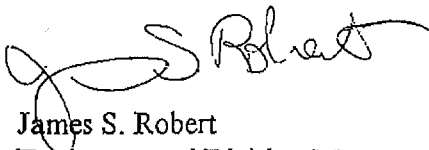
Please contact us at (206) 417-0810, or by fax (206) 417-0552, if you have any questions or need additional information.

Sincerely,

THE RILEY GROUP, INC.

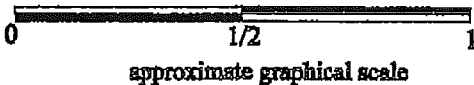
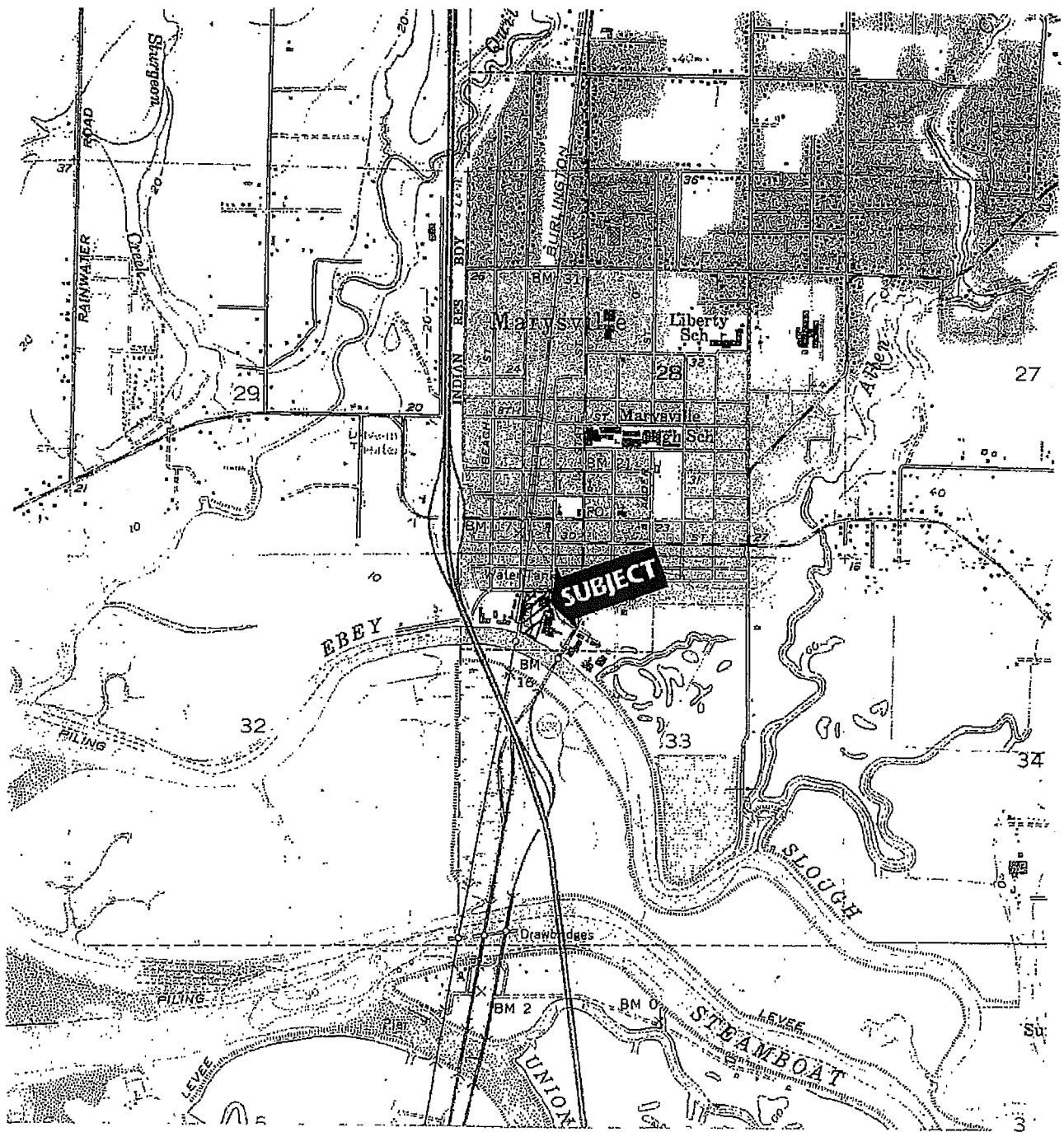


Todd Fisher
Project Geologist



James S. Robert
Environmental Division Manager

Attachments: *Figures 1 & 2*
Tables 1 & 2
Analytical Laboratory Report



SCALE 1: 24 000
 CONTOUR INTERVAL 20 FEET

USGS 7.5 X 15 MINUTE QUADRANGLE
 MARYSVILLE - WA, REVISED 1973



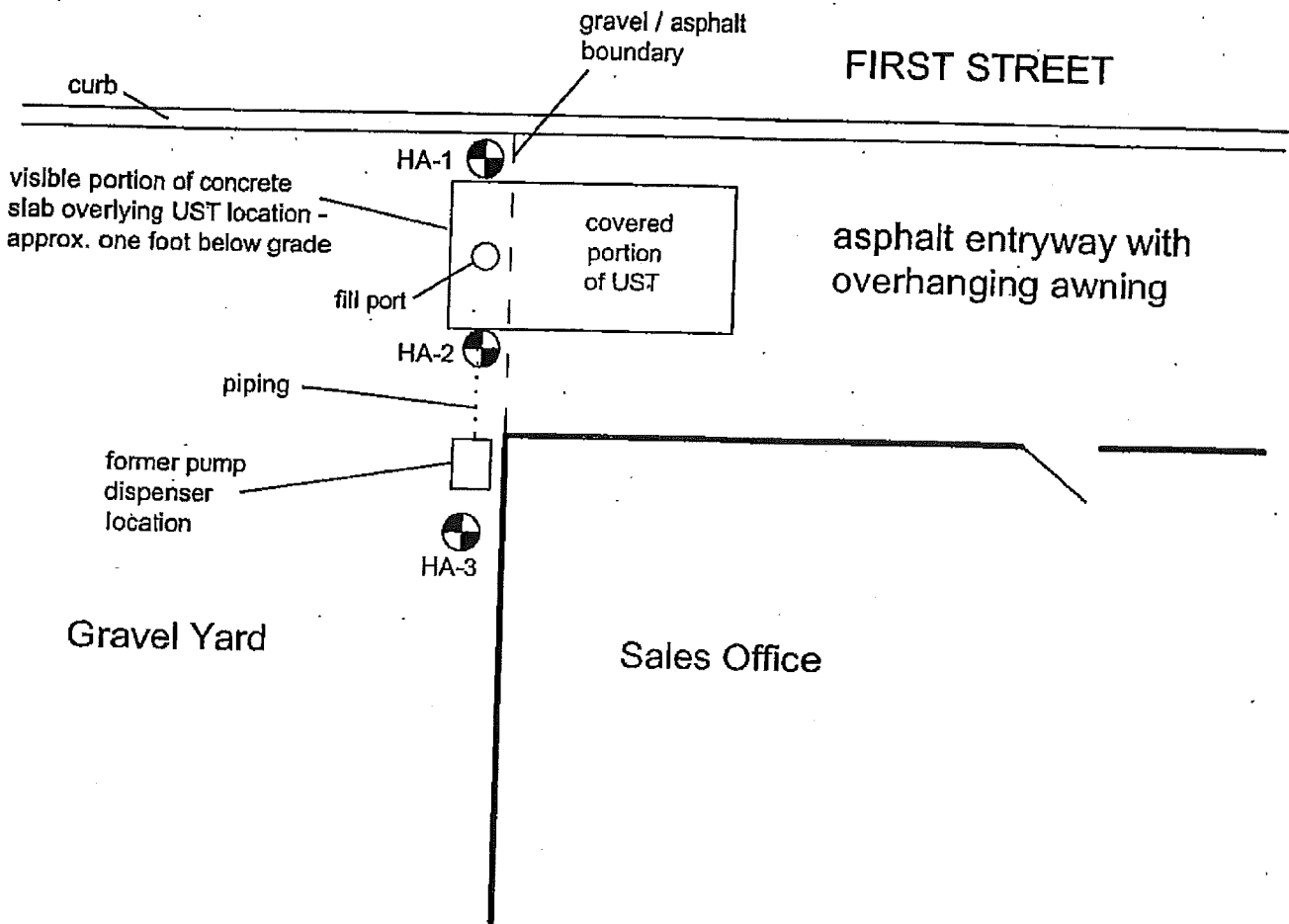
The Riley Group, Inc.
 10728 LAKE CITY WAY NE
 SEATTLE, WASHINGTON 98125

Geddes Marine Sales Property

Site Vicinity Map

Figure 1

Site Address: 1326 First Street, Marysville, Washington 98270



DRAWING NOT TO SCALE



The Riley Group, Inc.
 10728 LAKE CITY WAY NE
 SEATTLE, WASHINGTON 98125

Geddes Marine Sales Property

UST & Boring Location Map

Figure 2

Site Address: 1326 First Street, Marysville, Washington 98270

Table 1. Summary of Analytical Results for Subsurface Soil Samples Collected In Vicinity of Closed UST System - Geddes Marine Sales, Marysville, WA.

Sample ID	Sample Depth	PID (ppm)	HCID			NWTPH-Gx/BTEX TPH				
			Gas	Diesel	Oil	Gasoline	B	T	E	X
HA1-5.0	5	30	---	---	---	---	---	---	---	---
HA1-6.0	6	30	---	---	---	79	1.8	0.2	1.7	10
HA1-6.5	6.5	30	---	---	---	---	---	---	---	---
HA2-4.5	4.5	58	---	---	---	---	---	---	---	---
HA2-5.0	5	60	GAS	ND<50	ND<100	3,900	ND<3	8.3	47	260
HA2-6.0	6	5	---	---	---	---	---	---	---	---
HA3-6.0	6	0	---	---	---	ND < 6.0	ND < 0.1	ND < 0.1	ND < 0.1	ND < 0.3
Existing MTCA	---	---	---	---	---	100	0.5	20	40	20

Samples collected by The Riley Group, Inc. on February 22, 2000. All samples collected as discrete samples.

PID, photo-ionization detector calibrated to benzene with 100 ppm isobutylene.

HCID, Hydrocarbon Identification, determined by Ecology Test Method NWTPH-HCID.

Gasoline-TPH/BTEX determined by Ecology Test Method NWTPH-Gx/BTEX.

BTEX, Benzene, Toluene, Ethyl Benzene, and Xylene.

TPH, total petroleum hydrocarbons.

ND, non-detect, contaminant not detected at noted analytical detection limit.

All results and detection limits given in ppm, parts per million (mg/kg soil).

--- not analyzed or not applicable.

Existing MTCA, Current Washington Department of Ecology Model Toxics Control Act, Method A Soil Cleanup Levels (WAC 173-340-740).

Table 2. Summary of Analytical Results for Groundwater Grab Sample Collected From Boring HA-2, Geddes Marine Sales, Marysville, WA.

Sample ID	Sample Depth	HCID			NWTPH-Gx/BTEX TPH				
		Gas	Diesel	Oil	Gasoline	B	T	E	X
HA2-H20	3	---	---	---	26,000	260	170	870	4,600
Existing MTCA	---				1,000	5.0	40	30	20

Samples collected by The Riley Group, Inc. on February 22, 2000. All samples collected as discrete samples.

HCID: Hydrocarbon Identification, determined by Ecology Test Method NWTPH-HCID.

Gasoline TPH/BTEX determined by Ecology Test Method NWTPH-Gx/BTEX.

BTEX: Benzene, Toluene, Ethyl Benzene, and Xylene.

TPH: total petroleum hydrocarbons.

ND: non-detect, contaminant not detected at noted analytical detection limit.

All results and detection limits given in micrograms per liter (ug/l water).

---: not analyzed or not applicable.

Existing MTCA: Current Washington Department of Ecology Model Toxics Control Act Method A Groundwater Cleanup Levels (WAC 173-340-740).

APPENDIX A
ANALYTICAL LABORATORY REPORT
& CHAIN OF CUSTODY



CERTIFICATE OF ANALYSIS

CLIENT: THE RILEY GROUP, INC.
10728 LAKE CITY WAY NE
SEATTLE, WA 98125

DATE: 3/1/00
CCIL JOB #: 002091
CCIL SAMPLE #: 2
DATE RECEIVED: 2/22/00
WDOE ACCREDITATION #: C142

CLIENT CONTACT: TODD FISHER

CLIENT PROJECT ID: GEDDES MARINE
CLIENT SAMPLE ID: HA1-6.0 2/22/00 10:40

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ACTION LEVEL***	ANALYSIS DATE	ANALYSIS BY
TPH-VOLATILE RANGE	NWTPH-GX	79	MG/KG		2/29/00	LAH
BENZENE	EPA-8021	1.8	MG/KG	.5MG/KG	2/29/00	LAH
TOLUENE	EPA-8021	0.2	MG/KG	40MG/KG	2/29/00	LAH
ETHYLBENZENE	EPA-8021	1.7	MG/KG	20MG/KG	2/29/00	LAH
XYLENES	EPA-8021	10	MG/KG	20MG/KG	2/29/00	LAH

NOTE: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCT WHICH IS LIKELY WEATHERED GASOLINE

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:
GASOLINE(VOLATILE RANGE) REPORTING LIMIT IS 5 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

*** ACTIONS LEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY. THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAKING ANY DECISIONS BASED ON ANALYTICAL DATA

APPROVED BY:



CERTIFICATE OF ANALYSIS

CLIENT: THE RILEY GROUP, INC.
10728 LAKE CITY WAY NE
SEATTLE, WA 98125

DATE: 3/1/00
CCIL JOB #: 002091
CCIL SAMPLE #: 5
DATE RECEIVED: 2/22/00
WDOE ACCREDITATION #: C142

CLIENT CONTACT: TODD FISHER

CLIENT PROJECT ID: GEDDES MARINE
CLIENT SAMPLE ID: HA2-5.0 2/22/00 11:40

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ACTION LEVEL***	ANALYSIS DATE	ANALYSIS BY
TPH-VOLATILE RANGE	NWTPH-GX	3900	MG/KG		2/29/00	LAH
BENZENE	EPA-8021	ND(<3)	MG/KG	.5MG/KG	2/29/00	LAH
TOLUENE	EPA-8021	8.3	MG/KG	40MG/KG	2/29/00	LAH
ETHYLBENZENE	EPA-8021	47	MG/KG	20MG/KG	2/29/00	LAH
XYLENES	EPA-8021	260	MG/KG	20MG/KG	2/29/00	LAH
HCID-GAS RANGE	NWTPH-HCID	>20	MG/KG GAS		2/24/00	SNC
HCID-DIESEL RANGE	NWTPH-HCID	ND(<50)	MG/KG DSL		2/24/00	SNC
HCID-OIL RANGE	NWTPH-HCID	ND(<100)	MG/KG OIL		2/24/00	SNC

NOTE: CHROMATOGRAM INDICATES SAMPLE CONTAINS PRODUCT WHICH IS LIKELY WEATHERED GASOLINE

* "ND" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

*** ACTIONS LEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY. THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAKING ANY DECISIONS BASED ON ANALYTICAL DATA

APPROVED BY: *CRJ*



CERTIFICATE OF ANALYSIS

CLIENT: THE RILEY GROUP, INC.
10728 LAKE CITY WAY NE
SEATTLE, WA 98125

DATE: 3/1/00
CCIL JOB #: 002091
CCIL SAMPLE #: 7
DATE RECEIVED: 2/22/00
WDOE ACCREDITATION #: C142

CLIENT CONTACT: TODD FISHER

CLIENT PROJECT ID: GEDDES MARINE
CLIENT SAMPLE ID: HA3-6.0 2/22/00 12:45

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ACTION LEVEL***	ANALYSIS DATE	ANALYSIS BY
TPH-VOLATILE RANGE	NWTPH-GX	ND	MG/KG		2/29/00	LAH
BENZENE	EPA-8021	ND(<0.1)	MG/KG	.5MG/KG	2/29/00	LAH
TOLUENE	EPA-8021	ND(<0.1)	MG/KG	40MG/KG	2/29/00	LAH
ETHYLBENZENE	EPA-8021	ND(<0.1)	MG/KG	20MG/KG	2/29/00	LAH
XYLENES	EPA-8021	ND(<0.3)	MG/KG	20MG/KG	2/29/00	LAH

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:
GASOLINE(VOLATILE RANGE) REPORTING LIMIT IS 5 MG/KG

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

*** ACTIONS LEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY. THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAKING ANY DECISIONS BASED ON ANALYTICAL DATA

APPROVED BY: 

The Riley Group
10728 Lake City Way
Seattle, WA 98125
(206) 417-0551

facsimile transmittal

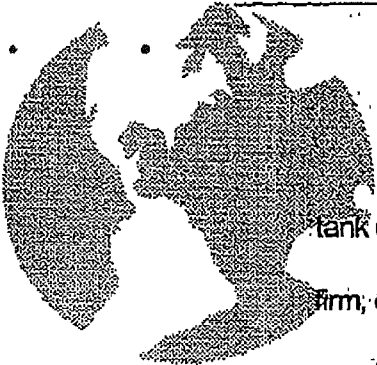
To: Susan Geddes Fax: (360) 653-3786

From: James Robert Date: 6/7/2000

Re: Geddes Marines Sales Pages: 3

CC: Paul Riley

Urgent For Review Please Comment Please Reply Please Recycle

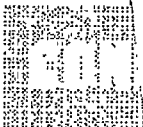


Susan,

Here are the lab results for the grab water sample collected from the tank excavation. Rebecca Kniveton, an environmental professional with our firm, collected the sample on May 18, 2000. If you have any problems or questions, please feel free to call me at (206) 417-0551.

Jim Robert

10-26-05
Copies delivered
to Mary Swenson
(City Hall)





CCI
ANALYTICAL
LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT: THE RILEY GROUP, INC.
10728 LAKE CITY WAY NE
SEATTLE, WA 98125

DATE: 5/24/00
CCIL JOB #: 005081
CCIL SAMPLE #: 1
DATE RECEIVED: 5/18/00
WDOE ACCREDITATION #: C142

CLIENT CONTACT: JIM ROBERTS

CLIENT PROJECT ID: GEDDES
CLIENT SAMPLE ID: GW-1 5/18/00 10:30

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ACTION LEVEL***	ANALYSIS DATE	ANALYSIS BY
TPH-VOLATILE RANGE	NWTPH-GX	ND	UG/L		5/22/00	HJK
BENZENE	EPA-8021	ND(<1)	UG/L	5 UG/L	5/22/00	HJK
TOLUENE	EPA-8021	ND(<1)	UG/L	40 UG/L	5/22/00	HJK
ETHYLBENZENE	EPA-8021	ND(<1)	UG/L	30 UG/L	5/22/00	HJK
XYLENES	EPA-8021	ND(<3)	UG/L	20 UG/L	5/22/00	HJK

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES OR AS FOLLOWS:
CASOLINE(VOLATILE RANGE) REPORTING LIMIT IS 50 UG/L.

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

*** ACTIONS LEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY. THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAKING ANY DECISIONS BASED ON ANALYTICAL DATA.

APPROVED BY: CMB



CCI
ANALYTICAL
LABORATORIES, INC.

STATEMENT OF ANALYSIS

CLIENT: THE RILEY GROUP, INC.
10728 LAKE CITY WAY NE
SEATTLE, WA 98125

DATE: 5/24/00
CCIL JOB #: 005081

DATE RECEIVED: 5/18/00
WDOE ACCREDITATION #: C142

CLIENT CONTACT: JIM ROBERTS

CLIENT PROJECT ID: GEDDES

QUALITY CONTROL RESULTS

SURROGATE RECOVERY

CCIL SAMPLE ID	ANALYTE	SUR ID	% RECV
005081-01	NWTPH-GX	TFT	79
005081-01	EPA-8021	TFT	84

APPROVED BY: 

1. PNWT A.L.T.A. Commitment
Pacific Northwest Title Company of Snohomish County, Inc.
3224 Wetmore Avenue
Everett, WA 98201
(425)258-6450
(425)551-4813 FAX

COMMITMENT FOR TITLE INSURANCE ISSUED BY

PACIFIC NORTHWEST TITLE INSURANCE COMPANY, INC.

PACIFIC NORTHWEST TITLE INSURANCE COMPANY, INC., a Washington corporation, herein called the Company, for a valuable consideration, hereby commits to issue its policy or policies of title insurance, as identified in Schedule A, in favor of the Proposed Insured named in Schedule A, as owner or mortgagee of the estate or interest in the land described or referred to in Schedule A, upon payment of the premiums and charges and compliance with the Requirements; all subject to the provisions of Schedules A and B and to the Conditions of this Commitment.

This Commitment shall be effective only when the identity of the Proposed Insured and the amount of the policy or policies committed for have been inserted in Schedule A by the Company.

All liability and obligation under this Commitment shall cease and terminate six months after the Effective Date or when the policy or policies committed for shall issue, whichever first occurs, provided that the failure to issue the policy or policies is not the fault of the Company.

The Company will provide a sample of the policy form upon request.

This Commitment shall not be valid or binding until countersigned by a validating officer or authorized signatory.

IN WITNESS WHEREOF, Pacific Northwest Title Insurance Company, Inc. has caused its corporate name and seal to be affixed by its duly authorized officer and signatory on the date shown in Schedule A.



[Signature]

President
Countersigned by:

[Signature]

Authorized Signatory

Pacific Northwest Title Company of Snohomish County, Inc.
Company

3224 Wetmore Avenue, Everett, Washington 98201
City, State

Pacific Northwest Title Company of Snohomish County, Inc.

Pacific Northwest Title Company of Snohomish County, Inc.

3224 Wetmore Avenue, Everett, WA 98201
Title Officer: Denise Perkins, Ph: (425) 551-4827
Title Officer: Tanya Cannon, Ph: (425) 551-2014
Title Officer: Anthony Schulz, Ph: (425) 551-2015

A.L.T.A. COMMITMENT

SCHEDULE A

Weed, Graafstra & Benson
21 Avenue A
Snohomish, WA 98290
Attention: **Candy Schorpp**

Title Order No.: **SNO-1066777**
Customer Ref: **M-05-024**

1. Effective Date: September 02, 2008 at 8:00 A.M.

2. **PACIFIC NORTHWEST TITLE INSURANCE COMPANY**
Policy or Policies to be issued:

PREMIUM

ALTA Owner's Policy (6-17-06)

Liability Amount: **TO BE DETERMINED**

Standard

Rate: General Schedule Rate

Proposed Insured:

City of Marysville

3. The estate or interest in said land described or referred to in the Commitment and covered herein is:

FEE SIMPLE

4. Title to the said estate or interest in said land is at the effective date hereof vested in:

Edward W. Geddes and Susan E. Geddes, husband and wife

5. The land referred to in this Commitment is in the **City of Marysville County of Snohomish, State of Washington**, and is described as follows:

SEE EXHIBIT A ATTACHED

Pacific Northwest Title Company of Snohomish County, Inc.

EXHIBIT A

Order No.: SNO-1066777

Legal Description:

PARCEL A:

BEGINNING AT THE MONUMENT AT THE INTERSECTION OF FIRST AND DELTA STREETS IN THE TOWN OF MARYSVILLE, WASHINGTON, SAID MONUMENT BEING 46.94 FEET EAST AND 20 FEET SOUTH OF THE SOUTHEAST CORNER OF BLOCK 7 OF THE PLAT OF MARYSVILLE;
THENCE SOUTH 188 FEET;
THENCE WEST 37.4 FEET;
THENCE SOUTH 11°02' WEST 425 FEET, THE TRUE POINT OF BEGINNING;
THENCE CONTINUE ON THE SAME BEARING 130 FEET, MORE OR LESS, TO EBEBY SLOUGH;
THENCE ANGLE LEFT 90° FOR 16 FEET;
THENCE ANGLE LEFT 90° FOR 130 FEET, MORE OR LESS TO THE SOUTH WALL OF THE STAIN LINE BUILDING;
THENCE ANGLE LEFT 90° FOR 16 FEET TO THE TRUE POINT OF BEGINNING.

PARCEL B:

BEGINNING AT THE MONUMENT IN THE INTERSECTION OF FIRST STREET AND DELTA STREET IN THE TOWN OF MARYSVILLE, WASHINGTON, SAID MONUMENT BEING 46.94 FEET EAST OF AND 20 FEET SOUTH OF THE SOUTHEAST CORNER OF BLOCK 7 OF THE PLAT OF MARYSVILLE;
THENCE SOUTH ALONG THE MONUMENT LINE PRODUCED WHICH MONUMENT LINE IS PARALLEL TO AND 20 FEET WEST OF THE EAST LINE OF DELTA STREET FOR 188 FEET;
THENCE ANGLE 90° TO RIGHT FOR 37.4 FEET TO TRUE POINT OF BEGINNING;
THENCE ANGLE 78°58' TO LEFT FOR 520 FEET MORE OR LESS TO SHORE OF EBEBY SLOUGH;
THENCE WESTERLY ALONG SHORE LINE TO EBEBY SLOUGH FOR 370 FEET MORE OR LESS TO EAST LINE OF GREAT NORTHERN RAILWAY RIGHT OF WAY;
THENCE NORTHEASTERLY ALONG SAID RIGHT OF WAY LINE FOR APPROXIMATELY 500 FEET TO A POINT 101 FEET SOUTH OF AND 450 FEET EAST OF THE SOUTHWEST CORNER OF BLOCK 8 OF THE PLAT OF MARYSVILLE;
THENCE SOUTH 67 FEET;
THENCE EAST 100 FEET;
THENCE NORTH 100 FEET TO SOUTH LINE OF FIRST STREET;
THENCE EAST ALONG SOUTH LINE OF FIRST STREET, FOR 254.27 FEET MORE OR LESS TO A POINT 37.4 FEET WEST OF SAID MONUMENT LINE;
THENCE SOUTH 140 FEET TO TRUE POINT OF BEGINNING;

EXCEPT THE EAST 21.39 FEET OF THE NORTH 425 FEET THEREOF.

Tax Account Number:

300533-002-027-00

*** END OF EXHIBIT A ***

Pacific Northwest Title Company of Snohomish County, Inc.

**A.L.T.A. COMMITMENT
SCHEDULE B**

Order No.: SNO-1066777

- I. The following are the requirements to be complied with:
- A. Instruments necessary to create the estate or interest to be insured must be properly executed, delivered and duly filed for record.
 - B. Payment to or for the account of the grantors or mortgagors of the full consideration for the estate or interest to be insured.
- II. Schedule B of the policy or policies to be issued will contain exceptions to the following matters unless the same are disposed of to the satisfaction of the Company:
- A. Defects, liens, encumbrances, adverse claims or other matters, if any created, first appearing in the public records, or attaching subsequent to the effective date hereof but prior to the date the proposed insured acquires for value of record the estate or interest or mortgage thereon covered by this commitment.
 - B. GENERAL EXCEPTIONS:
 - 1. Rights or claims of parties in possession not shown by the public records.
 - 2. Easements, or claims of easements, not shown by the public record.
 - 3. Encroachments, overlaps, boundary line disputes, or other matters which would be disclosed by an accurate survey or inspection of the premises.
 - 4. Any lien, or right to a lien, for services, labor or material heretofore or hereafter furnished, imposed by law and not shown by the public records, or liens under the Workmen's Compensation Act not shown by the public records.
 - 5. Any title or rights asserted by anyone including but not limited to persons, corporations, governments or other entities, to tide lands, or lands comprising the shores or bottoms of navigable rivers, lakes, bays, ocean or sound, or lands beyond the line of the harbor lines, as established or changed by the United States Government.
 - 6. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water.
 - 7. Taxes or special assessments which are not shown as existing liens by the public records.
 - 8. Any service, installation, connection, maintenance, capacity, or construction charges for sewer, water, electricity or garbage removal.
 - 9. Indian tribal codes or regulations, Indian treaty or aboriginal rights, including, but not limited to, easements or equitable servitudes.
 - C. SPECIAL EXCEPTIONS:

As on Schedule B attached.

Pacific Northwest Title Company of Snohomish County, Inc.

SCHEDULE B - continued
Order No.: SNO-1066777

SPECIAL EXCEPTIONS:

1. Payment of Real Estate Excise Tax, if required.

The property described herein is situated within the boundaries of local taxing authority of City of Marysville.

Present Rate of Real Estate Excise Tax as of the date herein is 1.78%.

2. General Taxes for the year 2008. The first half becomes delinquent after April 30th. The second half becomes delinquent after October 31st.

Tax Account No.: 300533-002-027-00

Levy Code: 00511

Total Assessed Value: \$ 355,300.00

Assessed Land Value: \$ 337,500.00

Assessed Improvement Value: \$ 17,800.00

2008 Total Tax Principal: \$ 3,373.79

1st Half

Amount Billed: \$ 1,686.89

Amount Paid: \$ 1,686.89

Amount Due: \$ 0.00

2nd Half

Amount Billed: \$ 1,686.90

Amount Paid: \$ 0.00

Amount Due: \$ 1,686.90

2008 Remaining Balance: \$ 1,686.90

Affects Portion

Pacific Northwest Title Company of Snohomish County, Inc.

3. General Taxes for the year 2008. The first half becomes delinquent after April 30th. The second half becomes delinquent after October 31st.

Tax Account No.: 300533-002-031-00
Levy Code: 00511
Total Assessed Value: \$ 480,000.00
Assessed Land Value: \$ 103,500.00
Assessed Improvement Value: \$ 376,500.00
2008 Total Tax Principal: \$ 4,557.88

1st Half

Amount Billed: \$ 2,278.94
Amount Paid: \$ 2,278.94
Amount Due: \$ 0.00

2nd Half

Amount Billed: \$ 2,278.94
Amount Paid: \$ 0.00
Amount Due: \$ 2,278.94

2008 Remaining balance: \$ 2,278.94

Affects Remainder

4. An easement affecting the portion of said premises and for the purposes stated herein, and incidental purposes:

For: Ingress and egress
In Favor Of: Colorshake Corporation, a Washington corporation
Disclosed By Instrument
Recorded: May 2, 1962
Recording No.: 1529827
Affects: Portion of real estate under search

5. An easement affecting the portion of said premises and for the purposes stated herein, and incidental purposes:

For: Roadway
In Favor Of: Colorshake Corporation
Disclosed By Instrument
Recorded: August 1, 1962
Recording No.: 1549626
Affects: Portion of real estate under search

Said easement contains a provision for bearing costs of maintenance, repair or reconstruction of said common roadway by the common users.

6. Easement and the terms and conditions thereof:

Grantee: Public Utility District No. 1 of Snohomish County
Purpose: Electric transmission and distribution line
Area Affected: Portion of real estate under search
Recorded: February 23, 1973
Recording No.: 2283061

Pacific Northwest Title Company of Snohomish County, Inc.

7. Covenants, conditions, restrictions and easements contained in Survey copy attached:

Recorded: March 2, 1982
Recording No.: 8203025023

8. Easement and the terms and conditions thereof:

Grantee: Public Utility District No. 1 of Snohomish County and GTE of the Northwest Inc.
Purpose: Electric distribution line facilities
Area Affected: Portion of real estate under search
Recorded: September 22, 1988
Recording No.: 8809220057

9. Right of the State of Washington in and to that portion, if any, of the property herein described which lies below the line of ordinary high water of the Ebey Slough.

10. Any prohibition of or limitation of use, occupancy or improvement of the land resulting from the rights of the public or riparian owners to use any portion which is now or has been formerly covered by water.

11. Question of location of lateral boundaries of said second class tide (or shore) lands.

12. Any question that may arise due to shifting and changing in course of Ebey Slough.

13. Any claim of right, title or interest which may be asserted by the State of Washington or the public to the beaches or accretions to the uplands.

14. Paramount rights and easements in favor of the United States for commerce, navigation, fisheries and the production of power.

15. We note an error in the legal description on deed recorded under Recording Numbers 200010230521, 200010230522 and 200010230523.

16. Until the amount of the policy to be issued is provided to us, and entered on the commitment as the amount of the policy to be issued, it is agreed by every person relying on this commitment that we will not be required to approve any policy amount over \$100,000, and our title liability under this commitment shall not exceed that amount.

17. Unrecorded leaseholds, if any; rights of vendors and holders of security interests on personal property installed upon said property and rights of tenants to remove trade fixtures at the expiration of the term.

*** END OF SCHEDULE B ***

Pacific Northwest Title Company of Snohomish County, Inc.

NOTES:

1. Title is vested pursuant to instrument recorded in Snohomish County under Auditor's File Number(s) 200010230521, 200010230522 and 200010230523.
2. The following deeds affecting the property herein described have been recorded within 24 months of the effective date of this commitment: NONE
3. In the event the transaction fails to close and this commitment is cancelled, a fee will be charged to comply with the state insurance code and the filed schedule of this Company.
4. Abbreviated Legal Description

PTN FIRST STREET & DELTA STREET IN THE TOWN OF MARYSVILLE, BLOCK 7, PLAT OF MARYSVILLE, SNOHOMISH COUNTY
Parcel Number: 300533-002-027-00 and 300533-002-031-00
5. We find no pertinent matters of record against the names of the incoming parties.

SLP/adec

CC: Weed, Graafstra & Benson and Pacific Northwest Title Company

Contact Information:

Title Officer: Denise Perkins	Phone: (425) 551-4827, E-mail: dperkins@pnwtsno.com
Title Officer: Tanya Cannon	Phone: (425) 551-2014, E-mail: tcannon@pnwtsno.com
Title Officer: Anthony Schulz	Phone: (425) 551-4821, E-mail: aschulz@pnwtsno.com
Assistant Title Officer: Christina Hughes	Phone: (425) 551-2010, E-mail: chughes@pnwtsno.com
Assistant Title Officer: Natalie Johnson	Phone: (425) 551-2041, E-mail: njohnson@pnwtsno.com
Assistant Title Officer: Barb McGrady	Phone: (425) 551-2011, E-mail: bmcgrady@pnwtsno.com
	Fax: (425) 551-4813 or (425) 551-4815

Pacific Northwest Title Company of Snohomish County, Inc.



PACIFIC NORTHWEST TITLE

Insurance Company, Inc.

And its Agents

*Providing excellent service and quality to
meet your title and escrow needs.*

Our Privacy Policy

We may collect nonpublic personal information about you from the following sources:

Information we receive from you such as on applications or other forms.

Information about your transactions we secure from our files, or from others.

Information we receive from a consumer reporting agency.

Information that we receive from others involved in your transaction, such as the real estate agent or lender.

Unless it is specifically stated otherwise in an amended Privacy Policy Notice, no additional nonpublic personal information will be collected about you.

WE DO NOT DISCLOSE ANY NONPUBLIC PERSONAL INFORMATION ABOUT YOU WITH ANYONE FOR ANY PURPOSE.

We restrict access to nonpublic personal information about you to those employees who need to know that information in order to provide products or services to you. We maintain physical, electronic, and procedural safeguards that comply with federal regulations to guard your nonpublic personal information.

*Thank you for choosing Pacific Northwest Title Insurance
Company and its Agents. We value you as a customer
and appreciate the opportunity to serve you.*

Pacific Northwest Title Company of Snohomish County, Inc.

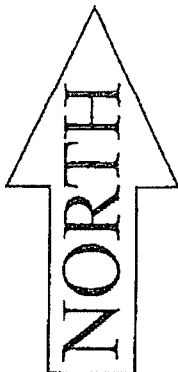
CONDITIONS

1. The term mortgage, when used herein, shall include deed of trust, trust deed, or other security instrument.
2. If the proposed Insured has or acquired actual knowledge of any defect, lien, encumbrance, adverse claim or other matter affecting the estate or interest or mortgage thereon covered by this Commitment other than those shown in Schedule B hereof, and shall fail to disclose such knowledge to the Company in writing, the Company shall be relieved from liability for any loss or damage resulting from any act of reliance hereon to the extent the Company is prejudiced by failure to so disclose such knowledge. If the proposed Insured shall disclose such knowledge to the Company, or if the Company otherwise acquires actual knowledge of any such defect, lien, encumbrance, adverse claim or other matter, the Company at its option may amend Schedule B of this Commitment accordingly, but such amendment shall not relieve the Company from liability previously incurred pursuant to paragraph 3 of these Conditions and Stipulations.
3. Liability of the Company under this Commitment shall be only to the named proposed Insured and such parties included under the definition of Insured in the form of policy or policies committed for and only for actual loss incurred in reliance hereon in undertaking in good faith (a) to comply with the requirements hereof, or (b) to eliminate exceptions shown in Schedule B, or (c) to acquire or create the estate or interest or mortgage thereon covered by this Commitment. In no event shall such liability exceed the amount stated in Schedule A for the policy or policies committed for and such liability is subject to the insuring provisions and Conditions and Stipulations and the Exclusions from Coverage of the form of policy or policies committed for in favor of the proposed Insured which are hereby incorporated by reference and are made a part of this Commitment except as expressly modified herein.
4. This Commitment is a contract to issue one or more title insurance policies and is not an abstract of title or a report of the condition of title. Any action or actions or rights of action that the proposed Insured may have or may bring against the Company arising out of the status of the title to the estate or interest or the status of the mortgage thereon covered by this Commitment must be based on and are subject to the provisions of this Commitment.
5. The policy to be issued contains an arbitration clause. All arbitrable matters when the Amount of Insurance is \$2,000,000 or less shall be arbitrated at the option of either the Company or the Insured as the exclusive remedy of the parties. You may review a copy of the arbitration rules at <http://www.alta.org/>.

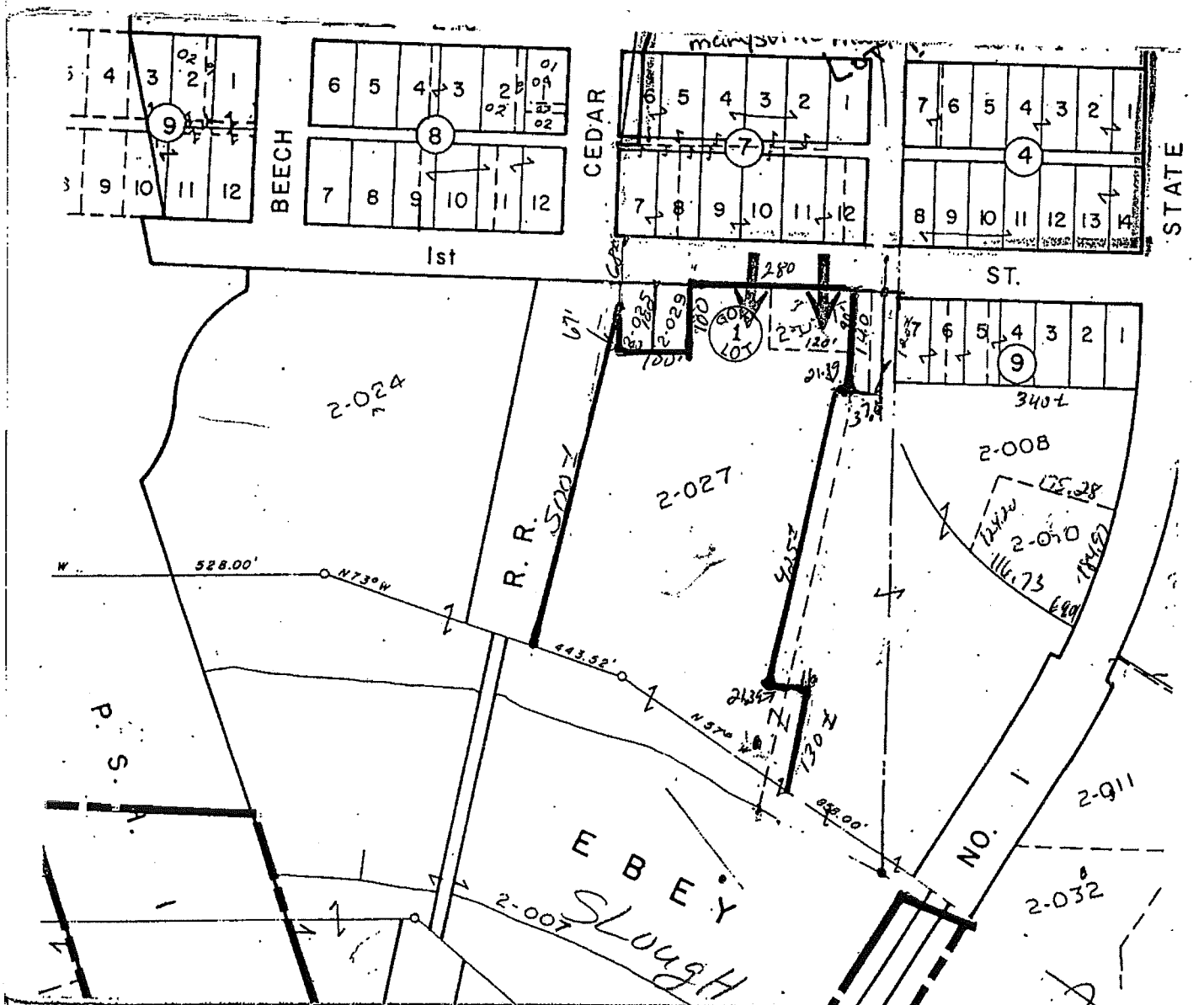
All notices required to be given the Company and any statement in writing required to be furnished the Company shall be addressed to the Company at 215 Columbia Street, Seattle, Washington 98104-1511.

American Land Title Association Commitment – 2006 (Rev. 6/06)

2 Map Customer



ORDER NO. 1066777



IMPORTANT: THIS IS NOT A PLAT OF SURVEY IT IS FURNISHED AS A CONVENIENCE TO LOCATE THE LAND HEREON WITH REFERENCE TO STREETS AND OTHER LAND. NO LIABILITY IS ASSUMED BY RELIANCE HEREON.

NO SALES TAX
REQUIRED

QUIT CLAIM DEED

MAY 2- 1962

1520827

THE GRANTOR: COLORSHAKE CORPORATION, a

~~Washington corporation~~
Wm. G. Giddes

Washington corporation, for and in consideration of an agreement quieting title to the respective properties of grantor and grantee, conveys and quit claims to WILLIAM GIDDES and ALLIE GIDDES, his wife, the following described real estate, situated in the County of Snohomish, State of Washington, together with all after acquired title of the grantor therein:

7045

PARCEL A:

Beginning at the monument at the intersection of First and Balta Streets in the Town of Marysville, Washington, said monument being 46.94 feet East and 20 feet South of the Southeast corner of Block 7 of the Flat of Marysville; thence South 188 feet; thence East 37.4 feet; thence South 11° 02' East 423 feet, the true point of beginning; thence continue on the same bearing 130 feet, more or less, to Hwy 42; thence angle left 90° for 16 feet; thence angle left 90° for 130 feet; more or less to the south wall of the grain line building; thence angle left 90° for 16 feet to the true point of beginning. Reserving, however, to the grantor, an easement for ingress and egress over, along and across the South 30 feet thence to be used in common with the grantee, his successors and assigns.

PARCEL B:

Beginning at the monument in the intersection of First Street and Balta Street in the Town of Marysville, Washington, said monument being 46.94 feet East of and 20 feet South of the Southeast corner of Block 7 of the Flat of Marysville; thence South along the monument line produced which monument line is parallel to and 20 feet West of

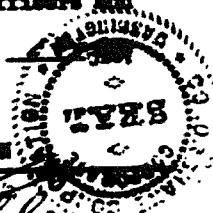
the East line of Delta Street for 188 feet, thence angle 90° to right for 37.4 feet to true point of beginning, thence angle 78°58' to left for 520 feet more or less to shore of Khey Slough, thence Westerly along shore line of Khey Slough for 370 feet more or less to East line of Great Northern Railway right of way, thence Northeasterly along said right of way line for approximately 500 feet to a point 101 feet South of and 450 feet East of the Southwest corner of Block 8 of the Plat of Marysville, thence south 67 feet, thence East 50 feet; thence North 100 feet to South line of First Street, thence East along South line of First Street for 304.27 feet more or less to a point 37.4 feet West of said monument line, thence South 140 feet to true point of beginning, ~~thence~~ the East 21.39 feet of the North 425 feet thereof.

IN WITNESS WHEREOF, said corporation has caused this instrument to be executed by its proper officers and its corporate seal to be hereunto affixed this of February, 1967.

COLOMBIA CORPORATION

By: M. J. Jellison
 President

By: [Signature]
 Secretary




PROVINCE OF BRITISH COLUMBIA)
 CITY OF VANCOUVER) ss.

On this 14 day of February, 1967, before me, the undersigned, a Notary Public for the Province of British Columbia, duly commissioned and sworn, personally appeared [Signature] and [Signature], respectively, of Columbia Corporation, the corporation that executed the foregoing instrument, and acknowledged the said instrument to be the free and voluntary act and deed of said corporation, for the

uses and purposes therein mentioned, and on oath stated that they are authorized to execute the said instrument and that the seal affixed is the corporate seal of said corporation.

Witness my hand and official seal hereto affixed the day and year first above written.


Notary Public in and for the Province
of British Columbia, residing at Vancouver

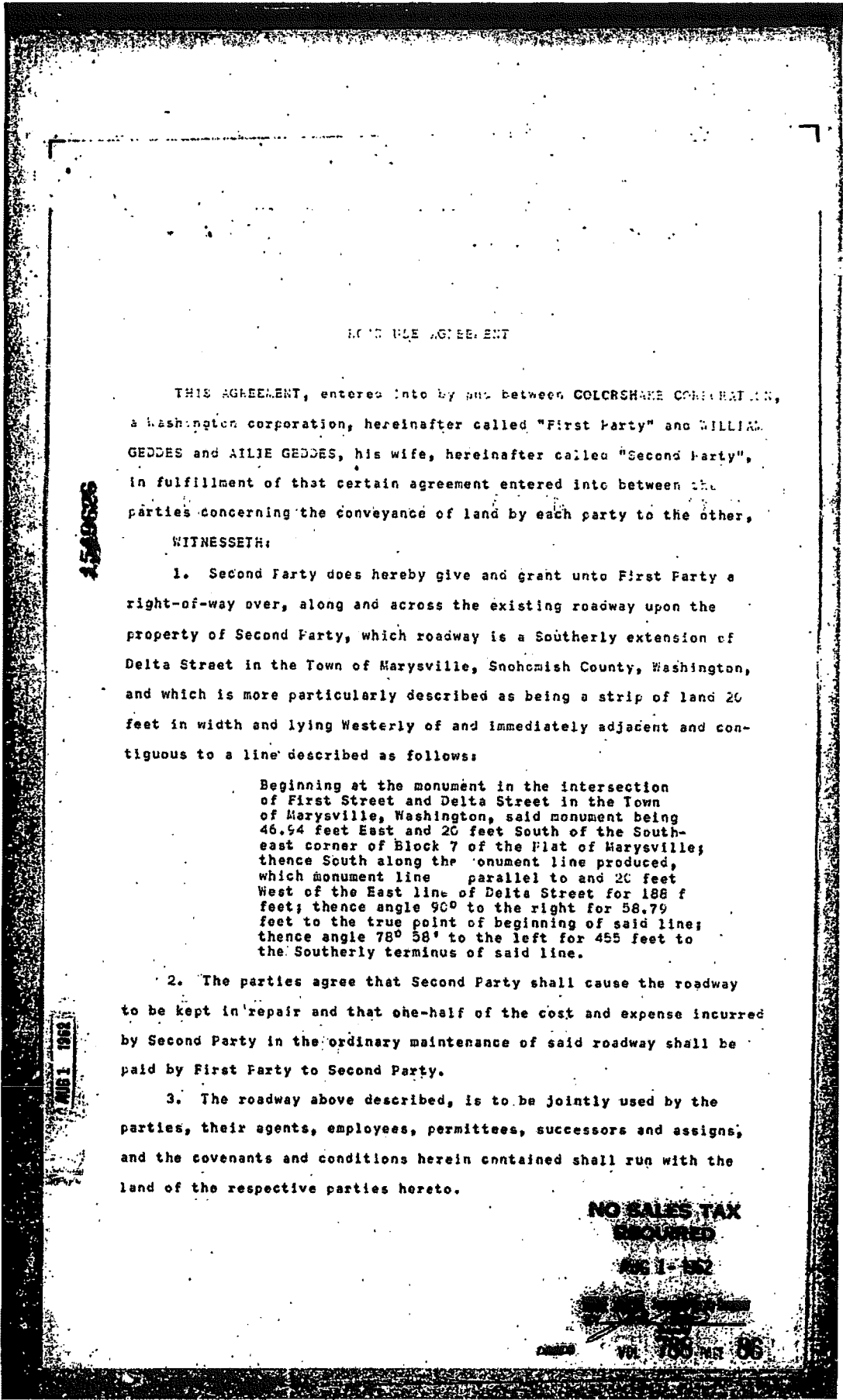


Filed for Record MAY - 2 1962 10¹³ AM - JMR

Request *J.M. Shuberg*
D. E. Macdonald, Notary Public

Books VDE 770 PAGE 425

4. Exception_05_1549626



CONVEYANCE AGREEMENT

THIS AGREEMENT, entered into by and between COLCROSHAW CORPORATION, a Washington corporation, hereinafter called "First Party" and WILLIAM GEDDES and AILIE GEDDES, his wife, hereinafter called "Second Party", in fulfillment of that certain agreement entered into between the parties concerning the conveyance of land by each party to the other,

1549626

WITNESSETH:

1. Second Party does hereby give and grant unto First Party a right-of-way over, along and across the existing roadway upon the property of Second Party, which roadway is a Southerly extension of Delta Street in the Town of Marysville, Snohomish County, Washington, and which is more particularly described as being a strip of land 20 feet in width and lying Westerly of and immediately adjacent and contiguous to a line described as follows:

Beginning at the monument in the intersection of First Street and Delta Street in the Town of Marysville, Washington, said monument being 46.94 feet East and 20 feet South of the Southeast corner of Block 7 of the Plat of Marysville; thence South along the monument line produced, which monument line parallel to and 20 feet West of the East line of Delta Street for 188 feet; thence angle 90° to the right for 58.79 feet to the true point of beginning of said line; thence angle 78° 58' to the left for 455 feet to the Southerly terminus of said line.

2. The parties agree that Second Party shall cause the roadway to be kept in repair and that one-half of the cost and expense incurred by Second Party in the ordinary maintenance of said roadway shall be paid by First Party to Second Party.

3. The roadway above described, is to be jointly used by the parties, their agents, employees, permittees, successors and assigns, and the covenants and conditions herein contained shall run with the land of the respective parties hereto.

MAY 1 1962

NO SALES TAX
REQUIRED

REG 1-152

MAY 1 1962

DATED this 12 day of February, 1962

COLORSHAKE CORPORATION

BY: William Geddes

President

ATTEST: William Geddes

Secretary-Treasurer

William Geddes

William Geddes

Allie Geddes

Allie Geddes

PROVINCE OF BRITISH COLUMBIA)

SS

CITY OF VANCOUVER

On this 12 day of February, 1962, before me, the undersigned, a Notary Public in and for the State of Washington, duly commissioned and sworn, personally appeared William Geddes and Allie Geddes, known to be the President and Secretary-Treasurer, respectively, of Colorshake Corporation, the corporation that executed the foregoing instrument, and acknowledged the said instrument to be the free and voluntary act and deed of said corporation, for the uses and purposes therein mentioned, and on oath stated that they were authorized to execute the said instrument and that the seal affixed is the corporate seal of said corporation.

WITNESS my hand and official seal hereto affixed the day and year first above written.

William Geddes
Notary Public in and for the State of Washington, residing at Vancouver, British Columbia.

STATE OF WASHINGTON)
SS
COUNTY OF SNOHOMISH)

I, the undersigned, a notary public in and for the State of Washington, hereby certify that on this 18 day of April, 1969, personally appeared before me William and Catherine to me known to be the individual described in and who executed the foregoing instrument, and acknowledged that they signed and sealed the same as their free and voluntary act and deed, for the uses and purposes therein mentioned.

GIVEN under my hand and official seal the day and year last above written.



Beverly L. McQuiston
Notary Public in and for the State of
Washington, residing at Marysville

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PAGE
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1 01 4 0A

*Ret. Sheryl Kelly
1305 Madison St
Marysville*

Handwritten initials/signature

EASEMENT

2253061-587

THIS INDENTURE made this 28th day of November A. D. 1972 between William M Geddes, a single man

hereinafter called the Grantor, party of the first part, PUBLIC UTILITY DISTRICT NO. 1 of SNOHOMISH COUNTY hereinafter called the Grantee, party of the second part, and hereinafter called the Mortgagee, party of the third part, WITNESSETH:

That the Grantor, for and in consideration of the sum of One and 00/100 Dollars (\$ 1.00) and other valuable considerations, receipt of which is hereby acknowledged, hereby conveys and grants to the Grantee its successors and assigns and its permittees and licensees the right, privilege and authority to construct, erect, alter, improve, repair, operate and maintain an electric transmission and distribution line, consisting of a 4100 line of poles and/or structures with necessary braces, guys and anchors, and to place or allow or permit to be placed and supported upon or suspended from such poles and/or structures, transmission, distribution and signal wires, insulators, cross-arms, transformers, telephones or telegraph communication wires, and other necessary or convenient appurtenances, across, over and upon the following described lands and premises situated in the County of Snohomish State of Washington, To-wit:

That portion of Government Lot 1, Section 33, Township 30 North, Range 5 East, W. M. Described as follows:

Beginning at the monument in the intersection of First and Delta Streets in the Town of Marysville, said monument being 46.94 feet east of and 20 feet south of the southeast corner of Block 7, Plat of the Town of Marysville according to plat thereof recorded in Volume 1 of Plats, page 89, records of Snohomish County, Washington, thence south along the monument line produced, which monument line is parallel to and 10 feet west of the east line of Delta Street for 48 feet to the south line of First Street; thence angle right 90° along the south line of First Street for 37 1/2 feet, thence south parallel to Delta Street produced for 140 feet, thence west 21.39 feet to the true point of beginning of the tract herein described, thence south 11°02' west 425 feet thence north 78°58' west for 120 feet; thence north 11°02' east for 425 feet, thence south 78°58' east for 120 feet to the true point of beginning

NO SALES TAX REQUIRED

Handwritten signature

The route line of said transmission and distribution line to be located as follows: as now staked and located or as hereafter may be relocated or extended by mutual consent of the parties hereto

Together with the right of ingress to and egress from said lands across adjacent lands of the Grantee for the purpose of constructing, reconstructing, repairing, renewing, altering, changing, maintaining and operating said line, and the right at any time to remove said poles, wires and appurtenances from said lands. Also the right at all times to cut and/or trim all brush, timber, trees or other growth standing or growing upon the lands of Grantee, which in the opinion of the Grantee constitute a menace or danger to said line, together with the right to keep the right of way above described clear of all encumbrances of any kind, except existing structures. The Grantee and the heirs, successors or assigns of Grantee covenant and agree not to do any blasting or discharge any explosives within a distance of three hundred (300) feet of said line without giving reasonable notice in writing to the Grantee, its successors or assigns, of intention so to do. The right title, privileges and authority hereby granted shall continue to be in force until such time as the Grantee, its successors or assigns shall permanently remove said poles, wires and appurtenances from said lands, or shall otherwise permanently abandon said line at which time all such rights title, privileges and authority hereby granted shall terminate. Any mortgage on said land held by the Mortgagee is hereby subordinated to the rights herein granted to the Grantee, but in all other respects the said mortgage shall remain paramount. IN WITNESS WHEREOF this instrument has been executed the day and year first above written

William M Geddes

2253061-587

STATE OF WASHINGTON }
COUNTY OF SNOHOMISH }

I, the undersigned, a Notary Public, do hereby certify that on this 28th day of November, 1972, personally appeared before me William H. Geddes and

his wife, to me known to be the individual described in and who executed the within instrument, and acknowledged that he signed the same as his free and voluntary act and deed, for the uses and purposes therein mentioned.

Given under my hand and official seal the day and year in this certificate above written.

Ronald C. Everett
NOTARY PUBLIC IN AND FOR THE STATE OF WASHINGTON
RESIDING AT Maple Valley



STATE OF WASHINGTON }
COUNTY OF _____ }

I, the undersigned, a Notary Public, do hereby certify that on this _____ day of _____ personally appeared before me _____ and _____

his wife, to me known to be the individual described in and who executed the within instrument, and acknowledged that _____ signed the same as _____ free and voluntary act and deed, for the uses and purposes therein mentioned.

Given under my hand and official seal the day and year in this certificate above written.

NOTARY PUBLIC IN AND FOR THE STATE OF WASHINGTON
RESIDING AT _____

(FOR CORPORATE ACKNOWLEDGMENT)

STATE OF WASHINGTON }
COUNTY OF _____ }

On this _____ day of _____, A. D. 19____, before me personally appeared _____ to me known to be the _____ President, and _____ to me known to be the _____ Secretary of the corporation that executed the within and foregoing instrument, and each acknowledged that said instrument to be the free and voluntary act and deed of said corporation, for the uses and purposes therein mentioned, and each of them stated that they were authorized to execute said instrument and that the seal affixed is the corporate seal of said corporation.

In WITNESS WHEREOF I have hereunto set my hand and affixed my official seal the day and year above written.

NOTARY PUBLIC IN AND FOR THE STATE OF WASHINGTON
RESIDING AT _____

2263061

THE ABOVE INFORMATION IS FOR OFFICE USE ONLY AND IS NOT A PART OF THE INSTRUMENT

RETURN TO
SUD No. 1
P. O. BOX 1107
EVERETT WASH.

OFFICIAL RECORDS
RECORDING DATA
SERIALIZED
INDEXED
FEB 23 AM 10 43L
SNOHOMISH COUNTY DEPUTY CLERK

TYPE OF CONSTRUCTION
FROM 15,000 WORTH INVESTMENT OF THE RECORDS
EN OF

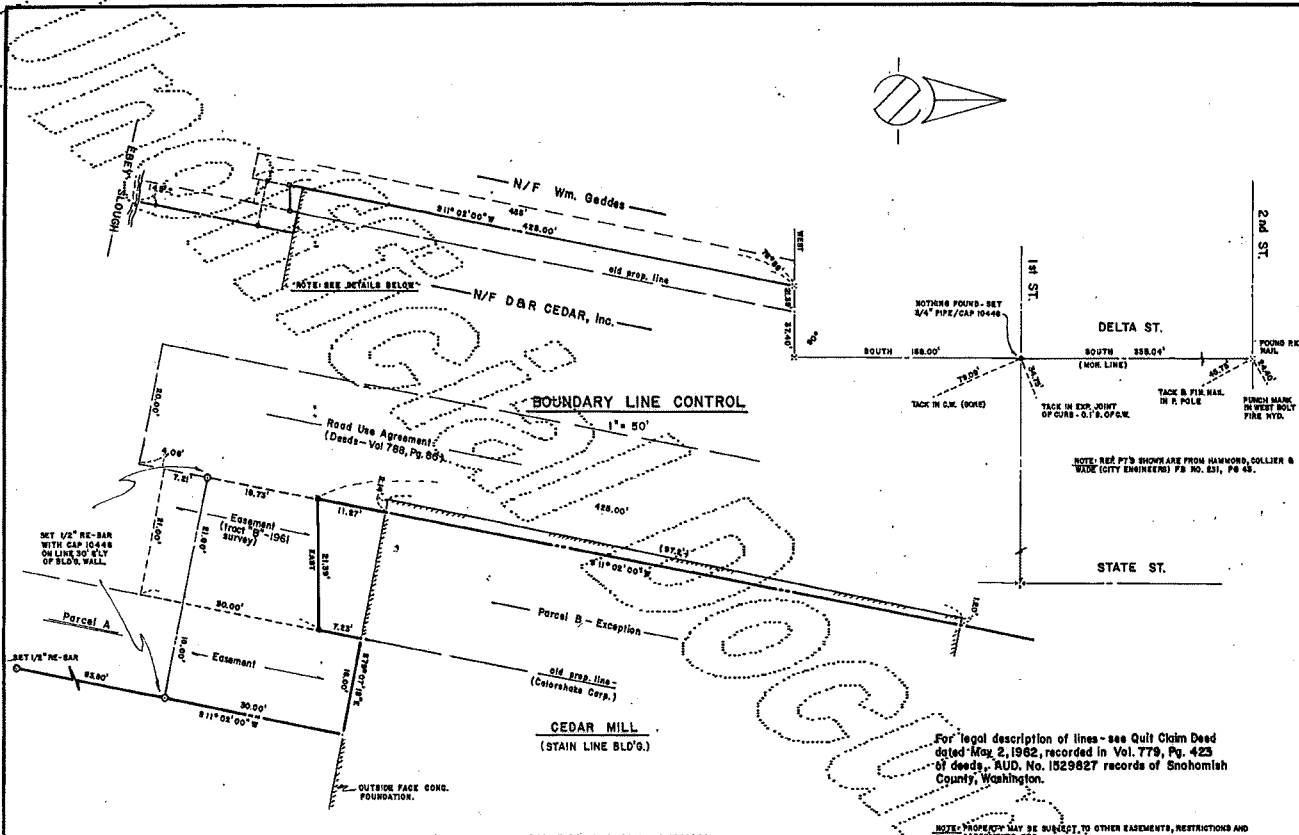
PUBLIC UTILITY DISTRICT NO. 1
OF SNOHOMISH COUNTY

EST. NO. L33A1 W O NO 72
EASEMENT
FROM William H. Geddes, a single man
OFFICIAL RECORDS
668 70

2161 11 631

6. Exception_07_8203025023

185



8203025023 3/10/82

RECORDER'S CERTIFICATE 8203025023
 Filed for record this 2nd day of March 1982 in Book 15, Subpage 185 at the request of
 DAVID G. WEST, Surveyor's Name
 Henry B. White, Deputy
 Co. Auditor

SURVEYOR'S CERTIFICATE
 This map correctly represents a survey made by me or under my direction in accordance with the requirements of the Surveying Act of the Republic of Washington, 1981, in 1907, 1981.
 David G. West, Surveyor
 Certificate No. 10448

DAVID G. WEST & ASSOC.
 LAND SURVEYORS
 Dave West P.L.S. P.O. Box 2532
 775-9766 Lynnwood, WA 98036



(Govt. lot-1) NW 4, RW 4 - Sec. 33-30-3

BOUNDARY LINE SURVEY
 for
 William M. Geddes, Myrtle, Wa.

PREP BY	D.G.W.	DATE	Nov. 8, 1981	AGE IN	81-195
CHK BY	10448	REMARKS	AS NOTED	SHEET	1 of 1



DISTRIBUTION EASEMENT
Underground and/or Overhead

E 22364
S 33 T 30 R 5

THIS INDENTURE made this 30th day of AUGUST, 1900, between
William Geddes, as his separate estate

8809220057

hereinafter referred to as Grantor, PUBLIC UTILITY DISTRICT NO 1 OF SNOHOMISH COUNTY, CTE of the NW, Inc., hereinafter referred to as Grantee, and
hereinafter referred to as Mortgagee, WITNESSETH:

WHEREAS, Grantor is the owner of certain lands and premises situated in the County of Snohomish State of Washington, described as follows:

A five foot wide strip of land being a portion of Government Lot 1, Section 33, Township 30 North, Range 5 East, W.M., lying adjacent to and parallel with the South margin of Front Street and East of the Great Northern Railway Right-of-Way.

EXCEPT the East 58.79 feet thereof;
AND EXCEPT that portion of the following described property:
Beginning at a point 68 feet South and 450 feet East of the Southwest corner of Lot 7, Block 8, Plat of Marysville, according to the Plat thereof recorded in Volume 1 of Plats, Page 29, Record's of Snohomish County, Washington; thence South 100 feet; thence East 100 feet; thence North 100 feet; thence West 100 feet to the True Point of Beginning.

AND WHEREAS, the Grantee is desirous of acquiring certain rights and privileges across, over, under and upon the said lands and premises.

NOW, THEREFORE, Grantor, for and in consideration of the sum of One Dollar (\$1.00) and other valuable consideration, receipt of which is hereby acknowledged, hereby conveys and grants to Grantee, its agents, contractors, successors and assigns, the perpetual right, privilege, and authority to construct, erect, alter, improve, extend, repair, operate, and maintain electric distribution line facilities consisting of poles and/or structures and/or underground facilities, or combinations thereof, with necessary braces, guys, and anchors, and to install or place upon or suspend from such poles or facilities, distribution wires, insulators, cross-arms, transformers, and other electrical equipment, communication wires and/or cables, and other necessary or convenient appurtenances, across, over, under and upon the following described lands and premises situated in the County of Snohomish, State of Washington, to-wit:

Same as described above.

Grantor's use of said easement area will remain unchanged by granting of this easement including existing structures.

~~Notwithstanding to the right of the easement area, the Grantor shall retain the right to use the easement area for any purpose whatsoever, and the Grantee shall not be entitled to any compensation for the use of the easement area for any purpose whatsoever.~~

Also the right at all times to cut and/or trim all brush, timber, trees or other growth standing or growing upon the lands of Grantor which, in the opinion of Grantee, constitute a menace or danger to said line or to persons or property by reason of proximity to said line.

The Grantor and the heirs, successors or assigns of Grantor covenant and agree not to do any blasting or discharge any explosives within a distance of three hundred (300) feet of said line without giving reasonable notice in writing to the Grantee, its successors or assigns, of intention so to do.

The rights, title, privileges and authority hereby granted shall continue to be in force until such time as the Grantee, its successors, or assigns shall permanently remove said poles, wires and appurtenances from said lands, or shall otherwise permanently abandon said line, at which time all such rights, title, privileges and authority hereby granted shall terminate.

The Grantor also covenants to and with the Grantee that Grantor is lawfully seized and possessed of the land aforesaid; has a good and lawful right and power to sell and convey same; that same are free and clear of encumbrances, except as above indicated; and that Grantor will forever warrant and defend the title to said easement and the quiet possession thereof against the lawful claims and demands of all persons whomsoever.

Any mortgage on said land held by the Mortgagee is hereby subordinated to the rights herein granted to the Grantee, but in all other respects the said mortgage shall remain unimpaired.

IN WITNESS WHEREOF, this instrument has been executed the day and year first above written.

William M. Geddes
William Geddes

PLEASE NOTARIZE SIGNATURES ON REVERSE SIDE

Notary

8809220057

VOL. 2174 PAGE 2005

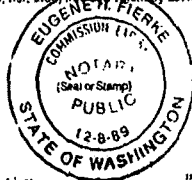
State of Washington INDIVIDUAL ACKNOWLEDGEMENT

County of SHOHWASH

I certify that I know or have satisfactory evidence that William Geddes and

_____ signed this instrument and acknowledged

it to be (his, her, their) free and voluntary act for the uses and purposes mentioned in the instrument.



Dated 30th August 1988

Signature of Notary Public Eugene H. Pierke

Title NOTARY PUBLIC

My appointment expires 12-8-89

State of Washington INDIVIDUAL ACKNOWLEDGEMENT

County of _____

I certify that I know or have satisfactory evidence that _____ and

_____ signed this instrument and acknowledged

it to be (his, her, their) free and voluntary act for the uses and purposes mentioned in the instrument.

Dated _____

Signature of Notary Public _____

Title NOTARY PUBLIC

My appointment expires _____

(Seal or Stamp)

(REPRESENTATIVE ACKNOWLEDGEMENT)

State of Washington

County of _____

I certify that I know or have satisfactory evidence that _____ and

_____ signed this instrument, on oath stated that (he, she, they) (was,

were) authorized to execute the instrument and acknowledged it as the _____

(Officer, Trustee, President, etc.)

and _____ of _____

(Name of party on behalf of who instrument was executed)

to be the free and voluntary act of such party for the uses and purposes mentioned in the instrument.

Dated _____

Signature of Notary Public _____

Title NOTARY PUBLIC

My appointment expires _____

(Seal or Stamp)

THE ABOVE INFORMATION IS FOR OFFICE USE ONLY AND IS NOT A PART OF THE INSTRUMENT.

RETURN TO:
PUD NO. 1
P.O. BOX 1107
EVERETT, WA
98206

TO
PUBLIC UTILITY DISTRICT NO. 1
OF SHOHWASH COUNTY

W.O. NO. 1371A
EASEMENT
FROM William Geddes Etkin

RECORDED

8809220057

VOL. 2174 PAGE 2006

359348

2.00

No. 701989 10/23/2000 2:32 PM
Thank you for your payment.
LINA

200010230521



200010230521
10/23/2000 03:32 PM Snohomish
P.0003 RECORDED County

RETURN TO
EDWARD W. AND SUSAN E. GEDDES
1326 1ST STREET
MARYSVILLE, WA. 98270

QUIT CLAIM DEED PNWT 9918960



PACIFIC NORTHWEST TITLE

PACIFIC NORTHWEST TITLE COMPANY

Reference # (if applicable)

Additional on Page _____
Grantor(s)

EDWARD W. GEDDES

Additional on Page _____
Grantee(s)

EDWARD W. GEDDES AND
SUSAN E. GEDDES

Additional on Page _____
Legal Description

A PORTION OF THE NW QUARTER OF 33-30-5.

Additional on Page _____
Assessor's Tax Parcel ID#

30053300203100 & 30053300202700

THE GRANTOR EDWARD W. GEDDES, A MARRIED PERSON

for and in consideration of TO ESTABLISH COMMUNITY PROERTY FROM HUSBAND TO HUSBAND
AND WIFE

conveys and quit claims to EDWARD W. GEDDES AND SUSAN E. GEDDES, HUSBAND AND WIFE

the following described real estate, situated in the County of SNOHOMISH, State of Washington
together with all after acquired title of the grantor(s) therein

HERETO ATTACHED AS EXHIBIT "A".

Dated OCTOBER 2, 2000

EDWARD W. GEDDES

NOTARY PAGE

STATE OF WASHINGTON }
 } ss
County of SNOHOMISH }

I hereby certify that I know or have satisfactory evidence that EDWARD W. GEDDES

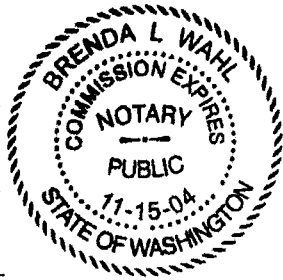
is the person(s) who appeared before me, and said person(s) acknowledged that ~~(he, she, they)~~ signed this instrument and acknowledged it to be ~~(his, her, their)~~ free and voluntary act for the uses and purposes mentioned in this instrument

Dated OCTOBER 20, 2000

[Signature]
Notary Public in and for the State of Washington

BRENDA C. WAHL
Printed Name

Residing at ARLINGTON
My appointment expires 11/15/2004



STATE OF WASHINGTON }
 } ss
County of _____ }

I hereby certify that I know or have satisfactory evidence that _____

is the person(s) who appeared before me, and said person(s) acknowledged that (he, she, they) signed this instrument, on oath stated that _____ authorized to execute the instrument and acknowledge it as the _____ of _____ to be the free and voluntary act of such party for the uses and purposes mentioned in this instrument

Dated _____

Notary Public in and for the State of Washington

Printed Name

Residing at _____
My appointment expires _____

EXHIBIT "A"

PARCEL A:

Beginning at the monument at the intersection of First and Delta Streets in the town of Marysville, Washington, said monument being 46.94 feet East and 20 feet South of the Southeast corner of Block 7 of the PLAT OF MARYSVILLE,
thence South 188 feet,
thence West 37 4 feet,
thence South 11°02' West 425 feet, the true point of beginning,
thence continue on the same bearing 130 feet, more or less, to Ebey Slough,
thence angle left 90° for 16 feet,
thence angle left 90° for 130 feet, more or less to the South wall of the stain line building,
thence angle left 90° for 16 feet to the true point of beginning

PARCEL B:

Beginning at the monument in the intersection of First Street and Delta Street in the town of Marysville, Washington, said monument being 46.94 feet East of and 20 feet South of the Southeast corner of Block 7 of the PLAT OF MARYSVILLE,
thence South along the monument line produced which monument line is parallel to and 20 feet West of the East line of Delta Street for 188 feet,
thence angle 90° to right for 37 4 feet to true point of beginning,
thence angle 78°58' to left for 520 feet more or less to shore of Ebey Slough,
thence Westerly along shore line to Ebey Slough for 370 feet more or less to East line of Great Northern Railway Right of Way,
thence Northeasterly along said Right of Way line for approximately 500 feet to a point 101 feet South of and 450 feet East of the Southwest corner of Block 8 of the PLAT OF MARYSVILLE,
thence South 67 feet,
thence East 100 feet,
thence North 100 feet to South line of First Street,
thence East along South line of First Street, for 304 27 feet more or less to a point 37 4 feet West of said monument line,
thence South 140 feet to true point of beginning,
EXCEPT the East 21 39 feet of the North 425 feet thereof.

2000 10239521

EXHIBIT "A"

PARCEL A:

Beginning at the monument at the intersection of First and Delta Streets in the town of Marysville, Washington, said monument being 46 94 feet East and 20 feet South of the Southeast corner of Block 7 of the PLAT OF MARYSVILLE, thence South 188 feet, thence West 37 4 feet, thence South 11°02' West 425 feet, the true point of beginning, thence continue on the same bearing 130 feet, more or less, to Ebey Slough, thence angle left 90° for 16 feet, thence angle left 90° for 130 feet, more or less to the South wall of the stain line building, thence angle left 90° for 16 feet to the true point of beginning.

PARCEL B:

Beginning at the monument in the intersection of First Street and Delta Street in the town of Marysville, Washington, said monument being 46 94 feet East of and 20 feet South of the Southeast corner of Block 7 of the PLAT OF MARYSVILLE, thence South along the monument line produced which monument line is parallel to and 20 feet West of the East line of Delta Street for 188 feet, thence angle 90° to right for 37 4 feet to true point of beginning; thence angle 78°58' to left for 520 feet more or less to shore of Ebey Slough; thence Westerly along shore line to Ebey Slough for 370 feet more or less to East line of Great Northern Railway Right of Way, thence Northeasterly along said Right of Way line for approximately 500 feet to a point 101 feet South of and 450 feet East of the Southwest corner of Block 8 of the PLAT OF MARYSVILLE, thence South 67 feet, thence East 100 feet, thence North 100 feet to South line of First Street, thence East along South line of First Street, for 304 27 feet more or less to a point 37 4 feet West of said monument line, thence South 140 feet to true point of beginning, EXCEPT the East 21 39 feet of the North 425 feet thereof

2000 10230522

EXHIBIT "A"

PARCEL A:

Beginning at the monument at the intersection of First and Delta Streets in the town of Marysville, Washington, said monument being 46 94 feet East and 20 feet South of the Southeast corner of Block 7 of the PLAT OF MARYSVILLE,
thence South 188 feet,
thence West 37 4 feet,
thence South $11^{\circ}02'$ West 425 feet, the true point of beginning,
thence continue on the same bearing 130 feet, more or less, to Ebey Slough,
thence angle left 90° for 16 feet,
thence angle left 90° for 130 feet, more or less to the South wall of the stain line building,
thence angle left 90° for 16 feet to the true point of beginning

PARCEL B:

Beginning at the monument in the intersection of First Street and Delta Street in the town of Marysville, Washington, said monument being 46 94 feet East of and 20 feet South of the Southeast corner of Block 7 of the PLAT OF MARYSVILLE,
thence South along the monument line produced which monument line is parallel to and 20 feet West of the East line of Delta Street for 188 feet,
thence angle 90° to right for 37 4 feet to true point of beginning,
thence angle $78^{\circ}58'$ to left for 520 feet more or less to shore of Ebey Slough,
thence Westerly along shore line to Ebey Slough for 370 feet more or less to East line of Great Northern Railway Right of Way,
thence Northeasterly along said Right of Way line for approximately 500 feet to a point 101 feet South of and 450 feet East of the Southwest corner of Block 8 of the PLAT OF MARYSVILLE,
thence South 67 feet,
thence East 100 feet,
thence North 100 feet to South line of First Street,
thence East along South line of First Street, for 304 27 feet more or less to a point 37.4 feet West of said monument line,
thence South 140 feet to true point of beginning,
EXCEPT the East 21 39 feet of the North 425 feet thereof

2000 10230523

359348

2.00

No. 701989 10/23/2000 2:32 PM
Thank you for your payment.
LINDA

200010230521



200010230521* 200010230521
10/23/2000 03:32 PM Snohomish
P.0003 RECORDED County

RETURN TO
EDWARD W. AND SUSAN E. GEDDES
1326 1ST STREET
MARYSVILLE, WA. 98270

QUIT CLAIM DEED PNWT 9918960



PACIFIC NORTHWEST TITLE COMPANY

Reference # (if applicable)

Additional on Page _____
Grantor(s)

EDWARD W. GEDDES

Additional on Page _____
Grantee(s)

EDWARD W. GEDDES AND
SUSAN E. GEDDES

Additional on Page _____
Legal Description

A PORTION OF THE NW QUARTER OF 33-30-5.

Additional on Page _____
Assessor's Tax Parcel ID#

30053300203100 & 30053300202700

THE GRANTOR EDWARD W. GEDDES, A MARRIED PERSON

for and in consideration of TO ESTABLISH COMMUNITY PROERTY FROM HUSBAND TO HUSBAND
AND WIFE

conveys and quit claims to EDWARD W. GEDDES AND SUSAN E. GEDDES, HUSBAND AND WIFE

the following described real estate, situated in the County of SNOHOMISH, State of Washington
together with all after acquired title of the grantor(s) therein

HERETO ATTACHED AS EXHIBIT "A".

Dated OCTOBER 2, 2000

EDWARD W. GEDDES

NOTARY PAGE

STATE OF WASHINGTON }
 } ss
County of SNOHOMISH }

I hereby certify that I know or have satisfactory evidence that EDWARD W. GEDDES

is the person(s) who appeared before me, and said person(s) acknowledged that (he, she, they) signed this instrument and acknowledged it to be (his, her, their) free and voluntary act for the uses and purposes mentioned in this instrument

Dated OCTOBER 20, 2000

[Signature]
Notary Public in and for the State of Washington

BRENDA L. WAHL
Printed Name

Residing at ALLINGTON

My appointment expires 11/15/2004



STATE OF WASHINGTON }
 } ss
County of _____ }

I hereby certify that I know or have satisfactory evidence that _____

is the person(s) who appeared before me, and said person(s) acknowledged that (he, she, they) signed this instrument, on oath stated that _____ authorized to execute the instrument and acknowledge it as the _____ of _____ to be the free and voluntary act of such party for the uses and purposes mentioned in this instrument

Dated _____

Notary Public in and for the State of Washington

Printed Name

Residing at _____

My appointment expires _____

EXHIBIT "A"

PARCEL A:

Beginning at the monument at the intersection of First and Delta Streets in the town of Marysville, Washington, said monument being 46.94 feet East and 20 feet South of the Southeast corner of Block 7 of the PLAT OF MARYSVILLE, thence South 188 feet, thence West 37 4 feet, thence South 11°02' West 425 feet, the true point of beginning, thence continue on the same bearing 130 feet, more or less, to Ebey Slough, thence angle left 90° for 16 feet, thence angle left 90° for 130 feet, more or less to the South wall of the stain line building, thence angle left 90° for 16 feet to the true point of beginning

PARCEL B:

Beginning at the monument in the intersection of First Street and Delta Street in the town of Marysville, Washington, said monument being 46.94 feet East of and 20 feet South of the Southeast corner of Block 7 of the PLAT OF MARYSVILLE, thence South along the monument line produced which monument line is parallel to and 20 feet West of the East line of Delta Street for 188 feet, thence angle 90° to right for 37 4 feet to true point of beginning, thence angle 78°58' to left for 520 feet more or less to shore of Ebey Slough, thence Westerly along shore line to Ebey Slough for 370 feet more or less to East line of Great Northern Railway Right of Way, thence Northeasterly along said Right of Way line for approximately 500 feet to a point 101 feet South of and 450 feet East of the Southwest corner of Block 8 of the PLAT OF MARYSVILLE, thence South 67 feet, thence East 100 feet, thence North 100 feet to South line of First Street, thence East along South line of First Street, for 304 27 feet more or less to a point 37 4 feet West of said monument line, thence South 140 feet to true point of beginning, EXCEPT the East 21 39 feet of the North 425 feet thereof.

2000 10230521

359349

200,000.00

3,568.00

10/23/2000 2:48 PM

No. 701919 Thank you for your payment. LINDA

200010230522

WHEN RECORDED RETURN TO

David S. Carson
Bell & Ingram, P S
1602 Hewitt Ave , Suite 700
Everett, WA 98201



10/23/2000 03:32 PM Snohomish County
P.0002 RECORDED

RECORDER'S NOTE
PORTIONS OF THIS DOCUMENT
ARE POOR QUALITY FOR SCANNING

PNWT 9918960 STATUTORY WARRANTY DEED
APN 3005330020 3000 3005330020200

THE GRANTOR, STEPHAN A GEDDES, for and in consideration of TEN DOLLARS (\$10) and other good and valuable consideration, in hand paid, conveys and warrants to EDWARD W GEDDES and SUSAN E GEDDES, husband and wife, and the marital community composed thereof, the following described real estate, situated in the County of Snohomish, State of Washington

SEE ATTACHED EXHIBIT "A"

*WHO ACQUIRED TITLE AS STEVEN A. GEDDES

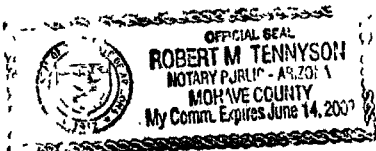
Dated 9 25 00
9
33 - 30 - 5

Stephan A. Geddes
STEPHAN A GEDDES

STATE OF ARIZONA)
) ss
COUNTY OF Mohave)

On this day personally appeared before me STEPHAN A GEDDES, to me known to be the individual described in and who executed the within and foregoing instrument, and acknowledged that he signed the same as his free and voluntary act and deed, for the uses and purposes therein mentioned

GIVEN under my hand and official seal this 25 day of September, 2000



Robert M. Tennyson
Signature of Notary Public
Printed Name Robert M Tennyson
My appt expires. June 14 2003

1 - STATUTORY WARRANTY DEED
8100 0001 ch180202

EXHIBIT "A"

PARCEL A:

Beginning at the monument at the intersection of First and Delta Streets in the town of Marysville, Washington, said monument being 46 94 feet East and 20 feet South of the Southeast corner of Block 7 of the PLAT OF MARYSVILLE,
thence South 188 feet,
thence West 37 4 feet,
thence South 11°02' West 425 feet, the true point of beginning,
thence continue on the same bearing 130 feet, more or less, to Ebey Slough,
thence angle left 90° for 16 feet,
thence angle left 90° for 130 feet, more or less to the South wall of the stain line building,
thence angle left 90° for 16 feet to the true point of beginning.

PARCEL B:

Beginning at the monument in the intersection of First Street and Delta Street in the town of Marysville, Washington, said monument being 46 94 feet East of and 20 feet South of the Southeast corner of Block 7 of the PLAT OF MARYSVILLE,
thence South along the monument line produced which monument line is parallel to and 20 feet West of the East line of Delta Street for 188 feet,
thence angle 90° to right for 37 4 feet to true point of beginning;
thence angle 78°58' to left for 520 feet more or less to shore of Ebey Slough;
thence Westerly along shore line to Ebey Slough for 370 feet more or less to East line of Great Northern Railway Right of Way,
thence Northeasterly along said Right of Way line for approximately 500 feet to a point 101 feet South of and 450 feet East of the Southwest corner of Block 8 of the PLAT OF MARYSVILLE,
thence South 67 feet,
thence East 100 feet,
thence North 100 feet to South line of First Street,
thence East along South line of First Street, for 304 27 feet more or less to a point 37 4 feet West of said monument line,
thence South 140 feet to true point of beginning,
EXCEPT the East 21 39 feet of the North 425 feet thereof

2000 10230522

\$200,000.00

359350

3,568.00

WHEN RECORDED RETURN TO

David S Carson
Bell & Ingram, P S
1602 Hewitt Ave , Suite 700
Everett, WA 98201

200010230523
10/23/2000 03:32 PM Snohomish
P.0002 RECORDED County

RECORDER'S NOTE
PORTIONS OF THIS DOCUMENT
ARE POOR QUALITY FOR SCANNING.

PNWT 9919960 STATUTORY WARRANTY DEED
APN 30053300203100 & 30053300202700

No. 701927
10/23/2000 2:44 PM
Thank you for your payment.
LINDA

200010230523

THE GRANTOR, PAMELA K DALTON, for and in consideration of TEN DOLLARS (\$10) and other good and valuable consideration, in hand paid, conveys and warrants to EDWARD W GEDDES and SUSAN E GEDDES, husband and wife, and the marital community composed thereof, following described real estate, situated in the County of Snohomish, State of Washington

SEE ATTACHED EXHIBIT "A"

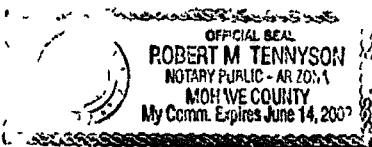
Dated 9-25-00
5
33-30-5

Pamela K. Dalton
PAMELA K DALTON

STATE OF ARIZONA)
) ss
COUNTY OF Mohave)

On this day personally appeared before me PAMELA K. DALTON, to me known to be the individual described in and who executed the within and foregoing instrument, and acknowledged that she signed the same as her free and voluntary act and deed, for the uses and purposes therein mentioned

GIVEN under my hand and official seal this 25 day of September, 2000



Robert M Tennyson
Signature of Notary Public
Printed Name: Robert M Tennyson
My appt expires: June 14, 2002

1 - STATUTORY WARRANTY DEED
8100 0001 ch180201

EXHIBIT "A"

PARCEL A:

Beginning at the monument at the intersection of First and Delta Streets in the town of Marysville, Washington, said monument being 46 94 feet East and 20 feet South of the Southeast corner of Block 7 of the PLAT OF MARYSVILLE,
thence South 188 feet,
thence West 37 4 feet,
thence South 11°02' West 425 feet, the true point of beginning,
thence continue on the same bearing 130 feet, more or less, to Ebey Slough,
thence angle left 90° for 16 feet,
thence angle left 90° for 130 feet, more or less to the South wall of the stain line building,
thence angle left 90° for 16 feet to the true point of beginning

PARCEL B:

Beginning at the monument in the intersection of First Street and Delta Street in the town of Marysville, Washington, said monument being 46 94 feet East of and 20 feet South of the Southeast corner of Block 7 of the PLAT OF MARYSVILLE,
thence South along the monument line produced which monument line is parallel to and 20 feet West of the East line of Delta Street for 188 feet,
thence angle 90° to right for 37 4 feet to true point of beginning,
thence angle 78°58' to left for 520 feet more or less to shore of Ebey Slough,
thence Westerly along shore line to Ebey Slough for 370 feet more or less to East line of Great Northern Railway Right of Way,
thence Northeasterly along said Right of Way line for approximately 500 feet to a point 101 feet South of and 450 feet East of the Southwest corner of Block 8 of the PLAT OF MARYSVILLE,
thence South 67 feet,
thence East 100 feet,
thence North 100 feet to South line of First Street,
thence East along South line of First Street, for 304 27 feet more or less to a point 37.4 feet West of said monument line,
thence South 140 feet to true point of beginning,
EXCEPT the East 21 39 feet of the North 425 feet thereof

2000 10230523

DESCRIPTION OF GEDDES PARCELS

PARCEL A

ALL THAT PORTION OF GOVERNMENT LOT 1, SECTION 33, TOWNSHIP 30 NORTH, RANGE 5 EAST, W.M., DESCRIBED AS FOLLOWS:

COMMENCING AT THE MONUMENT AT THE INTERSECTION OF FIRST AND DELTA STREETS IN THE TOWN OF MARYSVILLE, WASHINGTON, SAID MONUMENT BEING 46.94 FEET EAST AND 20 FEET SOUTH OF THE SOUTHEAST CORNER OF BLOCK 7 OF THE PLAT OF MARYSVILLE; ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 1 OF PLATS, PAGE 29; RECORDS OF SNOHOMISH COUNTY WASHINGTON; THENCE SOUTH 188 FEET; THENCE WEST 37.4 FEET; THENCE SOUTH 11°02' WEST 425 FEET, THE TRUE POINT OF BEGINNING; THENCE CONTINUE ON THE SAME BEARING 130 FEET, MORE OR LESS, TO EBAY SLOUGH; THENCE ANGLE LEFT 90° FOR 16 FEET; THENCE ANGLE LEFT 90° FOR 130 FEET, MORE OR LESS TO THE SOUTH WALL OF THE STAIN LINE BUILDING; THENCE ANGLE LEFT 90° FOR 16 FEET TO THE TRUE POINT OF BEGINNING.

PARCEL B

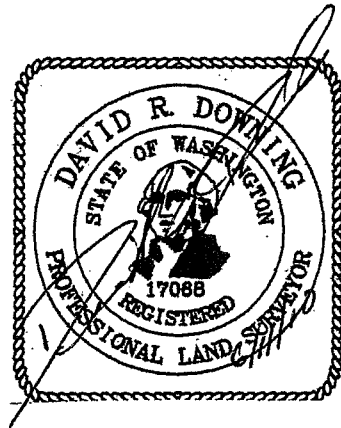
ALL THAT PORTION OF GOVERNMENT LOT 1, SECTION 33, TOWNSHIP 30 NORTH, RANGE 5 EAST, W.M., DESCRIBED AS FOLLOWS:

COMMENCING AT THE MONUMENT IN THE INTERSECTION OF FIRST STREET AND DELTA STREET IN THE TOWN OF MARYSVILLE, WASHINGTON, SAID MONUMENT BEING 46.94 FEET EAST OF AND 20 FEET SOUTH OF THE SOUTHEAST CORNER OF BLOCK 7 OF THE PLAT OF MARYSVILLE; ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 1 OF PLATS, PAGE 29; RECORDS OF SNOHOMISH COUNTY WASHINGTON; THENCE SOUTH ALONG THE MONUMENT LINE PRODUCED WHICH MONUMENT LINE IS PARALLEL TO AND 20 FEET WEST OF THE EAST LINE OF DELTA STREET FOR 188 FEET; THENCE ANGLE 90° TO RIGHT FOR 37.4 FEET TO TRUE POINT OF BEGINNING; THENCE ANGLE 78°58' TO THE LEFT FOR 520 FEET MORE OR LESS TO SHORE OF EBAY SLOUGH; THENCE WESTERLY ALONG SHORE LINE TO EBAY SLOUGH FOR 370 FEET MORE OR LESS TO EAST LINE OF GREAT NORTHERN RAILWAY RIGHT OF WAY; THENCE NORTHEASTERLY ALONG SAID RIGHT OF WAY LINE FOR APPROXIMATELY 500 FEET TO A POINT 101 FEET SOUTH OF AND 450 FEET EAST OF THE SOUTHWEST CORNER OF BLOCK 8 OF THE PLAT OF MARYSVILLE; THENCE SOUTH 67 FEET; THENCE EAST 100 FEET; THENCE NORTH 100 FEET TO SOUTH LINE OF FIRST STREET; THENCE EAST ALONG SOUTH LINE OF FIRST STREET, FOR 254.27 FEET MORE OR LESS TO A POINT

37.4 FEET WEST OF SAID MONUMENT LINE; THENCE SOUTH 140 FEET TO TRUE POINT OF BEGINNING;

EXCEPT

COMMENCING AT THE ABOVE DESCRIBED MONUMENT AT THE INTERSECTION OF FIRST STREET AND DELTA STREET; THENCE ALONG THE MONUMENT LINE OF SAID DELTA STREET PRODUCED SOUTH 48 FEET TO THE SOUTH LINE OF SAID FIRST STREET SAID MONUMENT LINE BEING PARALLEL WITH AND 20 FEET WEST OF THE EAST LINE OF DELTA STREET; THENCE ALONG THE SAID SOUTH LINE OF FIRST STREET SOUTH $89^{\circ}40'38''$ WEST A DISTANCE OF 37.47 FEET; THENCE SOUTH PARALLEL WITH SAID DELTA STREET PRODUCED SOUTHERLY A DISTANCE OF 140 FEET TO THE POINT OF BEGINNING; THENCE SOUTH $89^{\circ}40'38''$ WEST A DISTANCE OF 21.39 FEET; THENCE SOUTH $10^{\circ}42'38''$ WEST A DISTANCE OF 425 FEET; THENCE NORTH $89^{\circ}40'38''$ EAST A DISTANCE OF 21.39 FEET; THENCE NORTH $10^{\circ}42'38''$ EAST A DISTANCE OF 425 FEET TO THE POINT OF BEGINNING.



APPENDIX D

Environmental Data Resources, Inc. Radius Map with Geocheck

Geddes Marina
1326 First Street
Marysville, WA 98270

Inquiry Number: 2798250.2s
June 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

1326 FIRST STREET
MARYSVILLE, WA 98270

COORDINATES

Latitude (North):	48.047900 - 48° 2' 52.4"
Longitude (West):	122.179800 - 122° 10' 47.3"
Universal Transverse Mercator:	Zone 10
UTM X (Meters):	561128.2
UTM Y (Meters):	5321730.5
Elevation:	5 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	48122-A2 MARYSVILLE, WA
Most Recent Revision:	1973

AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year:	2006
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

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

EXECUTIVE SUMMARY

NPL LIENS..... Federal Superfund Liens

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 CORRACTS facilities list

CORRACTS..... Corrective Action Report

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

Federal ERNS list

ERNS..... Emergency Response Notification System

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

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

State and tribal registered storage tank lists

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

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

EXECUTIVE SUMMARY

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
SPILLS..... Reported Spills

Other Ascertainable Records

DOT OPS..... Incident and Accident Data
DOD..... Department of Defense Sites
FUDS..... Formerly Used Defense Sites
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
ICIS..... Integrated Compliance Information System
PADS..... PCB Activity Database System
MLTS..... Material Licensing Tracking System
RADINFO..... Radiation Information Database
FINDS..... Facility Index System/Facility Registry System
RAATS..... RCRA Administrative Action Tracking System
UIC..... Underground Injection Wells Listing
DRYCLEANERS..... Drycleaner List
NPDES..... Water Quality Permit System Data
AIRS..... Washington Emissions Data System
Inactive Drycleaners..... Inactive Drycleaners
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

EXECUTIVE SUMMARY

COAL ASH DOE..... Sleam-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.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>US EPA TULALIP LDFL</i>	<i>T30N R5E S32 S1/2</i>	<i>WSW 1/8 - 1/4 (0.242 mi.)</i>	<i>0</i>	<i>7</i>

Federal Delisted NPL site list

Delisted NPL: 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.

A review of the Delisted NPL list, as provided by EDR, and dated 03/31/2010 has revealed that there is 1 Delisted NPL 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>
<i>US EPA TULALIP LDFL</i>	<i>T30N R5E S32 S1/2</i>	<i>WSW 1/8 - 1/4 (0.242 mi.)</i>	<i>0</i>	<i>7</i>

EXECUTIVE SUMMARY

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>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
US EPA TULALIP LDFL	T30N R5E S32 S1/2	WSW 1/8 - 1/4 (0.242 mi.)	0	7

Federal RCRA generators list

RCRA-CESQG: 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.

A review of the RCRA-CESQG list, as provided by EDR, and dated 02/17/2010 has revealed that there are 5 RCRA-CESQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BAXTER AUTO REPAIR	1408 1ST ST	NE 0 - 1/8 (0.098 mi.)	A2	33
BIG O TIRES 4 LESS MARYSVILLE	70 C STATE AVE	ENE 1/8 - 1/4 (0.136 mi.)	B6	54
OLYMPIC BOAT CO INC MARYSVILLE	4 STATE ST	ENE 1/8 - 1/4 (0.152 mi.)	8	59
RITE AID 5243	251 MARYSVILLE MALL	NNE 1/8 - 1/4 (0.217 mi.)	11	65
OLYMPIC AUTO ELECTRIC	1215 3RD ST	NNW 1/8 - 1/4 (0.233 mi.)	14	76

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>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
US EPA TULALIP LDFL	T30N R5E S32 S1/2	WSW 1/8 - 1/4 (0.242 mi.)	0	7

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>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
US EPA TULALIP LDFL	T30N R5E S32 S1/2	WSW 1/8 - 1/4 (0.242 mi.)	0	7

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 are 4 HSL sites 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>
US EPA TULALIP LDFL Facility Type: Hazardous Sites List	T30N R5E S32 S1/2	WSW 1/8 - 1/4 (0.242 mi.)	0	7
MARYSVILLE CITY WATERFRONT PAR Facility Type: Hazardous Sites List		ENE 0 - 1/8 (0.090 mi.)	1	30
PDQ LAUNDRY ROOM Facility Type: Hazardous Sites List	1048 STATE AV NO A	N 1/2 - 1 (0.750 mi.)	33	158
SPENCER ISLAND MOSER PROPERTY Facility Type: Hazardous Sites List	FRONTAGE RD & I5	S 1/2 - 1 (0.884 mi.)	34	160

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 are 10 CSCSL sites 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>
US EPA TULALIP LDFL	T30N R5E S32 S1/2	WSW 1/8 - 1/4 (0.242 mi.)	0	7
MARYSVILLE CITY WATERFRONT PAR		ENE 0 - 1/8 (0.090 mi.)	1	30
INTERFOR PACIFIC INC	60 STATE AVE	ENE 1/8 - 1/4 (0.132 mi.)	B4	46
CONOCOPHILLIPS 30155	1221 4TH AVE	NNW 1/4 - 1/2 (0.291 mi.)	E19	83
TEXACO 120555	1209 4TH ST	NNW 1/4 - 1/2 (0.299 mi.)	E22	111
PDQ LAUNDRY ROOM	1048 STATE AV NO A	N 1/2 - 1 (0.750 mi.)	33	158
SPENCER ISLAND MOSER PROPERTY	FRONTAGE RD & I5	S 1/2 - 1 (0.884 mi.)	34	160
ERGAS PROP B&M SHOPPING CTR	STATE AVE / GROVE ST	N 1/2 - 1 (0.934 mi.)	G35	165
UNOCAL 4196	1202 STATE AVE	N 1/2 - 1 (0.939 mi.)	G36	167

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SAFEWAY PLAZA	1218 STATE ST	N 1/2 - 1 (0.979 mi.)	37	169

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Ecology's Leaking Underground Storage Tanks Site List.

A review of the LUST list, as provided by EDR, and dated 05/24/2010 has revealed that there are 5 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CONVENIENCE RETAILERS LLC	1221 4TH ST	NNW 1/4 - 1/2 (0.291 mi.)	E18	82
TEXACO 120555	1209 4TH ST	NNW 1/4 - 1/2 (0.299 mi.)	E22	111
SYSTEMS III DETAILING	420 N STATE AVE	NNE 1/4 - 1/2 (0.315 mi.)	24	128
AMPM MINI MART 5566	1124 4TH ST	NNW 1/4 - 1/2 (0.317 mi.)	25	131
CENTURY 21	502 STATE ST	NNE 1/4 - 1/2 (0.362 mi.)	F27	136

INDIAN LUST: A listing of leaking underground storage tank locations on Indian Land.

A review of the INDIAN LUST list, as provided by EDR, and dated 02/19/2009 has revealed that there is 1 INDIAN LUST site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CONOCOPHILLIPS 25635731157	3323 MARINE DR NE	NW 1/4 - 1/2 (0.442 mi.)	30	141

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Ecology's Statewide UST Site/Tank Report.

A review of the UST list, as provided by EDR, and dated 05/24/2010 has revealed that there are 8 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BAXTER AUTO REPAIR	1408 1ST ST	NE 0 - 1/8 (0.098 mi.)	A2	33
MALL MARYSVILLE	1409 1ST ST	NE 0 - 1/8 (0.098 mi.)	A3	45
INTERFOR PACIFIC INC	60 STATE AVE	ENE 1/8 - 1/4 (0.132 mi.)	B4	46
WELCO LUMBER CO	1218 1ST ST	NW 1/8 - 1/4 (0.132 mi.)	5	51
FIRST STOP DELI TEXACO	70 STATE ST	ENE 1/8 - 1/4 (0.138 mi.)	B7	56
TOWNE CENTER MALL	3RD & DELTA	N 1/8 - 1/4 (0.194 mi.)	9	61
MALL UST 9697	307 DELTA AVE	N 1/8 - 1/4 (0.217 mi.)	10	63
MARYSVILLE CITY PULPIC WORKS	80 COLUMBIA AVE	ENE 1/8 - 1/4 (0.235 mi.)	D16	78

EXECUTIVE SUMMARY

State and tribal voluntary cleanup sites

VCP: Sites that have entered either the Voluntary Cleanup Program or its predecessor Independent Remedial Action Program.

A review of the VCP list, as provided by EDR, and dated 04/22/2010 has revealed that there are 3 VCP sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
INTERFOR PACIFIC INC	60 STATE AVE	ENE 1/8 - 1/4 (0.132 mi.)	B4	46
CONOCOPHILLIPS 30155	1221 4TH AVE	NNW 1/4 - 1/2 (0.291 mi.)	E19	83
TEXACO 120555	1209 4TH ST	NNW 1/4 - 1/2 (0.299 mi.)	E22	111

ICR: These are remedial action reports Ecology has received from either the owner or operator of the site. These actions have been conducted without department oversight or approval and are not under an order or decree.

A review of the ICR list, as provided by EDR, and dated 12/01/2002 has revealed that there are 4 ICR sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CONOCOPHILLIPS 30155	1221 4TH AVE	NNW 1/4 - 1/2 (0.291 mi.)	E19	83
TEXACO 120555	1209 4TH ST	NNW 1/4 - 1/2 (0.299 mi.)	E20	104
TEXACO	11209 4TH ST.	NNW 1/4 - 1/2 (0.299 mi.)	E21	111
SYSTEMS III DETAILING	420 N STATE AVE	NNE 1/4 - 1/2 (0.315 mi.)	24	128

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 30 ALLSITES sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
US EPA TULALIP LDFL	T30N R5E S32 S1/2	WSW 1/8 - 1/4 (0.242 mi.)	0	7
MARYSVILLE CITY WATERFRONT PAR		ENE 0 - 1/8 (0.090 mi.)	1	30
BAXTER AUTO REPAIR	1408 1ST ST	NE 0 - 1/8 (0.098 mi.)	A2	33
MALL MARYSVILLE	1409 1ST ST	NE 0 - 1/8 (0.098 mi.)	A3	45
INTERFOR PACIFIC INC	60 STATE AVE	ENE 1/8 - 1/4 (0.132 mi.)	B4	46
WELCO LUMBER CO	1218 1ST ST	NW 1/8 - 1/4 (0.132 mi.)	5	51
BIG O TIRES 4 LESS MARYSVILLE	70 C STATE AVE	ENE 1/8 - 1/4 (0.136 mi.)	B6	54
FIRST STOP DELI TEXACO	70 STATE ST	ENE 1/8 - 1/4 (0.138 mi.)	B7	56
OLYMPIC BOAT CO INC MARYSVILLE	4 STATE ST	ENE 1/8 - 1/4 (0.152 mi.)	8	59
TOWNE CENTER MALL	3RD & DELTA	N 1/8 - 1/4 (0.194 mi.)	9	61
MALL UST 9697	307 DELTA AVE	N 1/8 - 1/4 (0.217 mi.)	10	63
RITE AID 5243	251 MARYSVILLE MALL	NNE 1/8 - 1/4 (0.217 mi.)	11	65
MARYSVILLE CITY SEWER TRMT LAB	2 COLUMBIA AVE	ENE 1/8 - 1/4 (0.225 mi.)	C12	74
MARYSVILLE WWTP	20 COLUMBIA AVE	ENE 1/8 - 1/4 (0.227 mi.)	C13	75
OLYMPIC AUTO ELECTRIC	1215 3RD ST	NNW 1/8 - 1/4 (0.233 mi.)	14	76

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MARYSVILLE CITY OF	80 COLUMBIA AVE	ENE 1/8 - 1/4 (0.235 mi.)	D15	78
MARYSVILLE CITY PUPLIC WORKS	80 COLUMBIA AVE	ENE 1/8 - 1/4 (0.235 mi.)	D16	78
MARYSVILLE FEED & SEED CO INC	1528 3RD ST	NE 1/4 - 1/2 (0.259 mi.)	17	81
CONOCOPHILLIPS 30155	1221 4TH AVE	NNW 1/4 - 1/2 (0.291 mi.)	E19	83
TEXACO 120555	1209 4TH ST	NNW 1/4 - 1/2 (0.299 mi.)	E22	111
ELITE CLEANERS	1520 4TH	NNE 1/4 - 1/2 (0.308 mi.)	23	127
SYSTEMS III DETAILING	420 N STATE AVE	NNE 1/4 - 1/2 (0.315 mi.)	24	128
AMPM MINI MART 5566	1124 4TH ST	NNW 1/4 - 1/2 (0.317 mi.)	25	131
MARYSVILLE OIL	1404 5TH ST	NNE 1/4 - 1/2 (0.348 mi.)	26	134
CENTURY 21	502 STATE ST	NNE 1/4 - 1/2 (0.362 mi.)	F27	136
B & J INDUSTRIES INC	514 STATE ST	NNE 1/4 - 1/2 (0.369 mi.)	F28	139
CROWN PHOTO SYSTEMS INC	6120 31ST AVE NE	WNW 1/4 - 1/2 (0.421 mi.)	29	139
CONOCOPHILLIPS 25635731157	3323 MARINE DR NE	NW 1/4 - 1/2 (0.442 mi.)	30	141
SEACAST INC	6130 31ST AV NE	WNW 1/4 - 1/2 (0.451 mi.)	31	147
PETROCARD SYSTEMS INC UST 1001	706 CEDAR	N 1/4 - 1/2 (0.472 mi.)	32	155

Other Ascertainable Records

RCRA-NonGen: 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.

A review of the RCRA-NonGen list, as provided by EDR, and dated 02/17/2010 has revealed that there are 2 RCRA-NonGen sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
US EPA TULALIP LDFL	T30N R5E S32 S1/2	WSW 1/8 - 1/4 (0.242 mi.)	0	7
MARYSVILLE CITY PUPLIC WORKS	80 COLUMBIA AVE	ENE 1/8 - 1/4 (0.235 mi.)	D16	78

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 04/29/2010 has revealed that there is 1 ROD 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>
US EPA TULALIP LDFL	T30N R5E S32 S1/2	WSW 1/8 - 1/4 (0.242 mi.)	0	7

MANIFEST: Hazardous waste manifest information.

A review of the MANIFEST list, as provided by EDR, and dated 12/31/2009 has revealed that there are 2 MANIFEST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BAXTER AUTO REPAIR	1408 1ST ST	NE 0 - 1/8 (0.098 mi.)	A2	33
RITE AID 5243	251 MARYSVILLE MALL	NNE 1/8 - 1/4 (0.217 mi.)	11	65

EXECUTIVE SUMMARY

INDIAN RESERV: This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

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

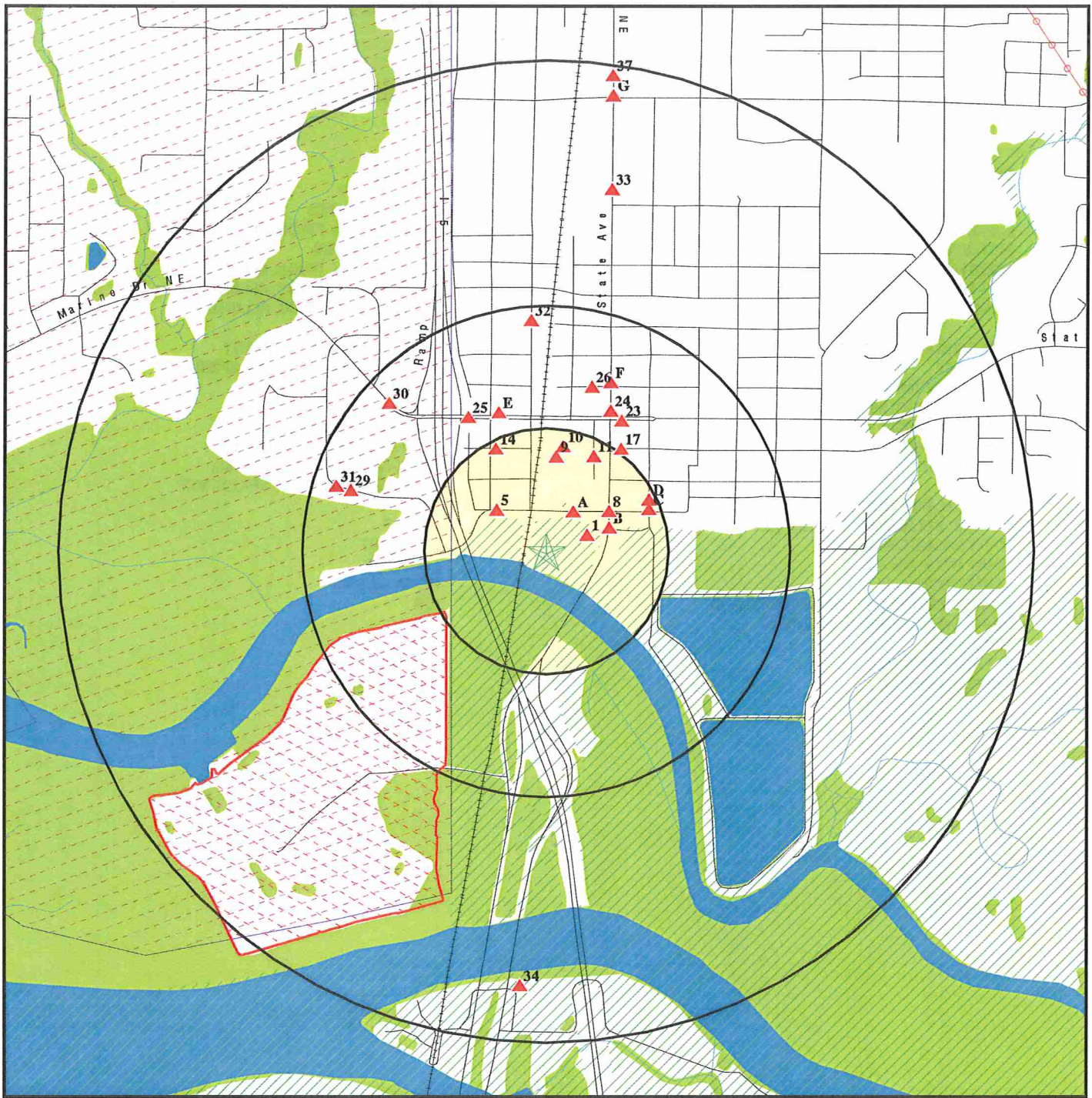
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
TULALIP INDIAN RESERVATION		W 1/8 - 1/4 (0.194 mi.)	0	7

EXECUTIVE SUMMARY

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

<u>Site Name</u>	<u>Database(s)</u>
S LAKE STEVENS RD WETLAND SITE E STEVENS PASS HWY 70TH & STATE ST 10226 HWY 99 4121 HWY 99 N 11300 31ST DR NE	CSCSL, ALLSITES RCRA-NonGen, FINDS, ALLSITES FINDS, ALLSITES RCRA-NonGen, FINDS, ALLSITES RCRA-NonGen, FINDS, ALLSITES RCRA-CESQG, FINDS, ALLSITES, MANIFEST
ALBERTSONS 471 5 N MI 207 SMOKEY POINT MIXED USE 13923 OLD HWY 99 4116 OLD HWY 99 1 MI S OF MARYSVILLE 1206 4TH ST	FINDS, ALLSITES, MANIFEST RCRA-NonGen, FINDS, ALLSITES ALLSITES FINDS, ALLSITES FINDS, ALLSITES, UST RCRA-SQG, FINDS, ALLSITES RCRA-NonGen, FINDS, CSCSL, ALLSITES, MANIFEST, SPILLS, VCP
SMITH ISLAND WOODWASTE LANDFILL (W TULALIP SOLID WASTE LANDFILL MARYSVILLE CHEVRON FIRST STOP DELI ALBERTSONS 471 MOSER PROPERTY - SPENCER ISLAND PAINE FIELD FEDERAL AVIATION GULL #0225 TULALIP MARINA TULALIP MARINA	SWF/LF SWF/LF LUST, UST LUST, ICR RCRA-CESQG ICR ICR ICR INDIAN UST INDIAN LUST

OVERVIEW MAP - 2798250.2s

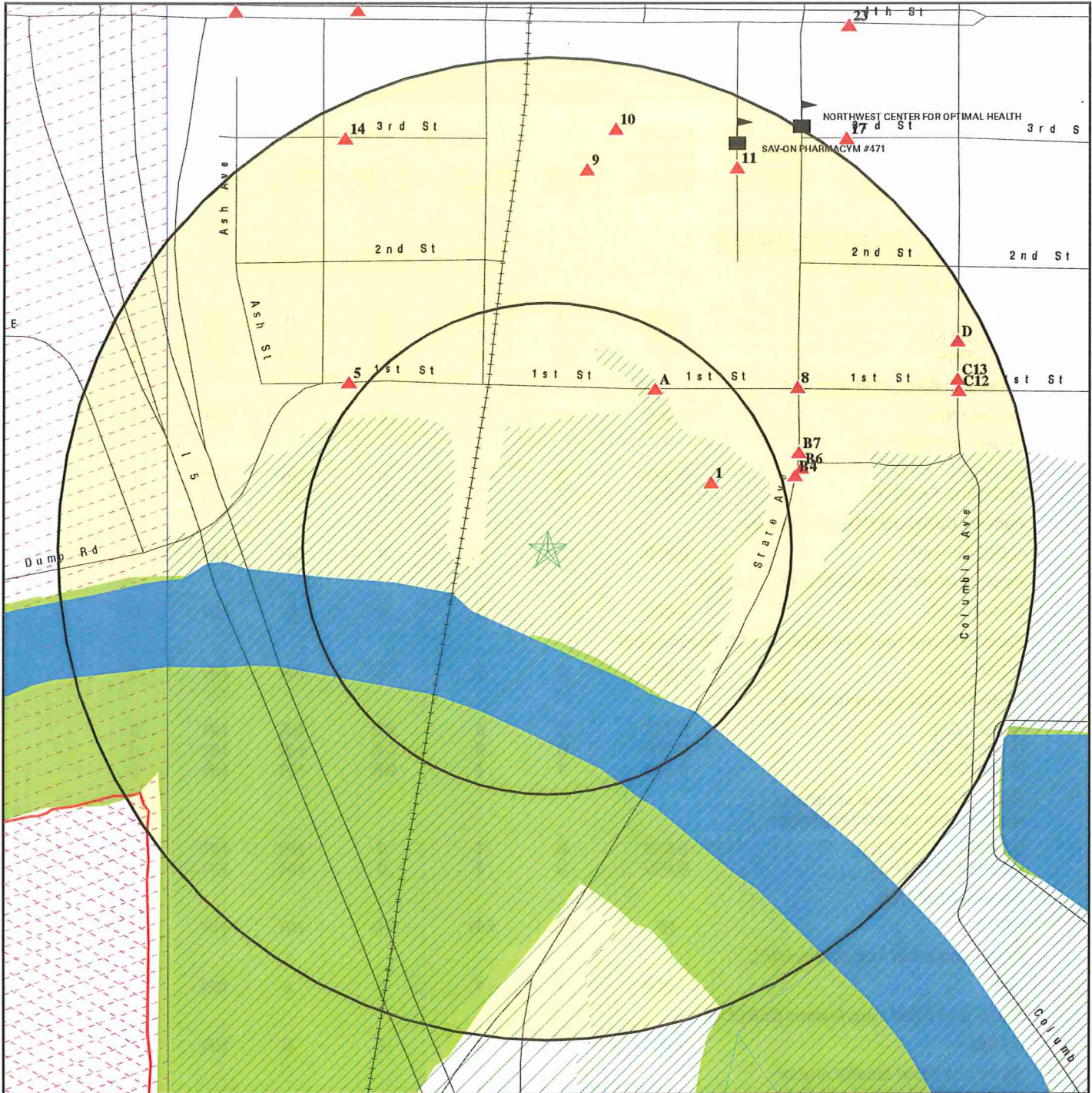


- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- ⚡ Power transmission lines
- ⚡ Oil & Gas pipelines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

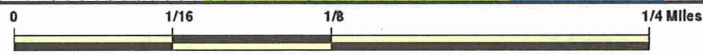
This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

<p>SITE NAME: Geddes Marina ADDRESS: 1326 First Street Marysville WA 98270 LAT/LONG: 48.0479 / 122.1798</p>	<p>CLIENT: Associated Earth Sciences Inc. CONTACT: Michael August INQUIRY #: 2798250.2s DATE: June 21, 2010 2:48 pm</p>
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DETAIL MAP - 2798250.2s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- ⚡ Sensitive Receptors
- ☒ National Priority List Sites
- ☒ Dept. Defense Sites
- ☒ Indian Reservations BIA
- 📡 Oil & Gas pipelines
- 🌊 100-year flood zone
- 🌊 500-year flood zone
- 🌿 National Wetland Inventory



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Geddes Marina ADDRESS: 1326 First Street Marysville WA 98270 LAT/LONG: 48.0479 / 122.1798	CLIENT: Associated Earth Sciences Inc. CONTACT: Michael August INQUIRY #: 2798250.2s DATE: June 21, 2010 2:51 pm
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MAP FINDINGS SUMMARY

<u>Database</u>	<u>Target Property</u>	<u>Search Distance (Miles)</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
<u>STANDARD ENVIRONMENTAL RECORDS</u>								
<i>Federal NPL site list</i>								
NPL		1.000	0	1	0	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	1	0	0	NR	1
<i>Federal CERCLIS list</i>								
CERCLIS		0.500	0	1	0	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	0	NR	0
<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	1	4	NR	NR	NR	5
<i>Federal institutional controls / engineering controls registries</i>								
US ENG CONTROLS		0.500	0	1	0	NR	NR	1
US INST CONTROL		0.500	0	1	0	NR	NR	1
<i>Federal ERNS list</i>								
ERNS		TP	NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL</i>								
HSL		1.000	1	1	0	2	NR	4
<i>State- and tribal - equivalent CERCLIS</i>								
CSCSL		1.000	1	2	2	5	NR	10
<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	5	NR	NR	5
INDIAN LUST		0.500	0	0	1	NR	NR	1

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Target Property</u>	<u>Search Distance (Miles)</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
<i>State and tribal registered storage tank lists</i>								
UST		0.250	2	6	NR	NR	NR	8
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
<i>State and tribal institutional control / engineering control registries</i>								
INST CONTROL		0.500	0	0	0	NR	NR	0
<i>State and tribal voluntary cleanup sites</i>								
VCP		0.500	0	1	2	NR	NR	3
INDIAN VCP		0.500	0	0	0	NR	NR	0
ICR		0.500	0	0	4	NR	NR	4
<i>State and tribal Brownfields sites</i>								
BROWNFIELDS		0.500	0	0	0	NR	NR	0
<u>ADDITIONAL ENVIRONMENTAL RECORDS</u>								
<i>Local Brownfield lists</i>								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
<i>Local Lists of Landfill / Solid Waste Disposal Sites</i>								
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
<i>Local Lists of Hazardous waste / Contaminated Sites</i>								
US CDL		TP	NR	NR	NR	NR	NR	0
ALLSITES		0.500	3	14	13	NR	NR	30
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
<i>Local Land Records</i>								
LIENS 2		TP	NR	NR	NR	NR	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
<i>Records of Emergency Release Reports</i>								
HMIRS		TP	NR	NR	NR	NR	NR	0
SPILLS		TP	NR	NR	NR	NR	NR	0
<i>Other Ascertainable Records</i>								
RCRA-NonGen		0.250	0	2	NR	NR	NR	2

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	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	1	0	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		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	1	1	NR	NR	NR	2
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	1	0	0	NR	1
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

IND RES
Region
West
1/8-1/4
1025 ft.

TULALIP INDIAN RESERVATION
TULALIP INDIAN RESERVATIO (County), WA

INDIAN RESERV CIND100070
N/A

INDIAN RESERV:
Feature: Indian Reservation
Name: Tulalip Indian Reservation
Agency: BIA
State: WA

NPL
Region
WSW
1/8-1/4
1279 ft.

US EPA TULALIP LDFL
T30N R5E S32 S1/2
MARYSVILLE, WA 98270

NPL 1000148974
Delisted NPL WAD980639256
CERCLIS
RCRA-NonGen
US ENG CONTROLS
US INST CONTROL
ROD
FINDS
CSCSL
ALLSITES
HSL

Delisted NPL:
EPA ID: WAD980639256
Site ID: 1000878
EPA Region: 10
Federal: No
Deleted Date: 2002-09-18 00:00:00

Site Details:
Site Name: TULALIP LANDFILL
Site Status: Deleted
Site Zip: 98270
Site City: MARYSVILLE
Site State: WA
Federal Site: No
Site County: SNOHOMISH
EPA Region: 10
Date Proposed: 07/29/91
Date Deleted: 9/18/2002
Date Finalized: 04/25/95

Substance Details:
NPL Status: Deleted from the Final NPL
Substance ID: Not reported
Substance: Not reported
CAS #: Not reported
Pathway: Not reported
Scoring: Not reported

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

US EPA TULALIP LDFL (Continued)

1000148974

NPL Status: Deleted from the Final NPL
Substance ID: A046
Substance: POLYCHLORINATED BIPHENYLS
CAS #: 1336-36-3
Pathway: SURFACE WATER PATHWAY
Scoring: 4

NPL Status: Deleted from the Final NPL
Substance ID: C049
Substance: ETHYLBENZENE
CAS #: 100-41-4
Pathway: NO PATHWAY INDICATED
Scoring: 1

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

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

NPL Status: Deleted from the Final NPL
Substance ID: C334
Substance: ACENAPHTHENE
CAS #: 83-32-9
Pathway: NO PATHWAY INDICATED
Scoring: 1

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

NPL Status: Deleted from the Final NPL
Substance ID: D007
Substance: CHROMIUM
CAS #: 7440-47-3
Pathway: SURFACE WATER PATHWAY
Scoring: 4

NPL Status: Deleted from the Final NPL
Substance ID: D011
Substance: SILVER
CAS #: 7440-22-4
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Deleted from the Final NPL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US EPA TULALIP LDFL (Continued)

1000148974

Substance ID: P030
Substance: CYANIDES (SOLUBLE SALTS)
CAS #: Not reported
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Deleted from the Final NPL
Substance ID: U165
Substance: NAPHTHALENE
CAS #: 91-20-3
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Deleted from the Final NPL
Substance ID: U220
Substance: TOLUENE
CAS #: 108-88-3
Pathway: NO PATHWAY INDICATED
Scoring: 1

NPL Status: Deleted from the Final NPL
Substance ID: U239
Substance: XYLENE
CAS #: 1330-20-7
Pathway: NO PATHWAY INDICATED
Scoring: 1

Summary Details:

Conditions at Proposal July 29, 1991): The Tulalip Landfill covers approximately 146 acres on the Tulalip Indian Reservation near Marysville, Snohomish County, Washington. The site is bounded by Ebey Slough to the north, Steamboat Slough to the south, and Possession Sound to the west. All these surface water bodies flow into northern Puget Sound, a Federally designated National Estuary. This area is highly productive for salmon and shellfish and provides habitat for Federally-threatened species. In 1964, the Tulalip Tribe leased the land to Seattle Disposal Co. The company accepted municipal, industrial, and hospital waste from the greater Seattle area. The site (originally a wetland) was cleared and canals were cut into the site, allowing waste to be barged in from Seattle. Eventually the barge canals were filled with waste. An estimated 4 million cubic yards of waste were deposited at the site from 1964 to 1979, when the landfill was closed in accordance with a Federal consent decree. In February 1988, EPA conducted an extensive inspection of the site and the surrounding environment. Ground water, wetland water, and slough water contained heavy metals including lead, copper, chromium, and cadmium in excess of EPA's Maximum Contaminant Levels established under the Safe Drinking Water Act and marine Ambient Water Quality Criteria established under the Clean Water Act. An estimated 7,800 people obtain drinking water from private and municipal wells within 4 miles of the site, the nearest within 0.9 mile. EPA also found elevated levels of metals, volatiles (including toluene and xylene), semivolatiles, and PCBs in leachate and pooled water on-site. Numerous strains of opportunistic pathogens were detected in leachate, pooled water, and slough samples. These opportunistic pathogens, due to infiltration of estuarine water rich in nutrients and dissolved oxygen, are resistant to several antibiotics and can therefore survive for years. In 1987, EPA issued a modified permit under the National Pollutant Discharge Elimination System (NPDES) requiring, among other items, the Tulalip Tribe to collect all leachate generated by the site and transport

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US EPA TULALIP LDFL (Continued)

1000148974

it off-site for treatment. The Tribe has not complied. An estimated 10 million to 90 million gallons of leachate are generated per year. During a December 1990 NPDES inspection, EPA found the site was receiving demolition debris not previously approved for disposal. Logs recently placed on-site were generating colored liquids. The Tribe has discontinued disposal of all demolition debris at EPA's request. Status April 1995): In August 1993, EPA and several potentially responsible parties, including waste generators, transporters, and the past operator of the landfill, signed an Administrative Order on Consent to conduct a RI/FS at the site. Preliminary results from this investigation indicate that landfill leachate leaving the site exceeds marine water quality criteria for heavy metals and other contaminants including chromium, copper, lead, mercury, nickel, iron, ammonia, heptachlor, and aldrin. PCBs were also found at elevated levels. Soil adjacent to the landfill indicates elevated levels of heavy metals, pesticides, PCBs, and semivolatile organic compounds (SVOCs). Sediment samples from wetlands adjacent to the landfill show elevated levels of heavy metals, polycyclic aromatic hydrocarbons (PAHs), pesticides, and SVOCs. EPA is currently reviewing a feasibility study which evaluates remedy alternatives that would contain the landfill contaminants. 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.

Site Status Details:

NPL Status: Deleted
Proposed Date: 07/29/1991
Final Date: 04/25/1995
Deleted Date: 09/18/2002

Narratives Details:

NPL Name: TULALIP LANDFILL
City: MARYSVILLE
State: WA

CERCLIS:

Site ID: 1000878
Federal Facility: Not a Federal Facility
NPL Status: Deleted from the Final NPL
Non NPL Status: Not reported

CERCLIS Site Contact Name(s):

Contact Name: DENISE BAKER
Contact Tel: (206) 553-4303
Contact Title: Remedial Project Manager (RPM)

CERCLIS Site Alias Name(s):

Alias Name: MARINE DISPOSAL
Alias Address: Not reported
WA
Alias Name: TULALIP LDFL
Alias Address: Not reported
WA
Alias Name: TULALIP LANDFILL
Alias Address: TULALIP INDIAN RESERVATION
MARYSVILLE, WA 98270

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US EPA TULALIP LDFL (Continued)

1000148974

Site Description: The Tulalip Landfill occupies approximately 147 acres and is located on a low-lying island (commonly referred to as North Ebey Island) in the Snohomish River delta. This island is within the floodplain of the Snohomish River. Located within the bounds of the Tulalip Indian Reservation, the landfill lies generally between Marysville and Everett, Washington. Prior to landfilling activities, the land on which the landfill is located consisted of relatively undisturbed intertidal wetlands, and reached heights of about 3 to 6 feet above mean sea level (MSL). Today, the landfill reaches heights of about 12 to 20 feet above MSL. The landfill is bounded by a perimeter berm that is approximately 15 feet high. During landfilling operations, barge canals were cut into the island to allow water barges bearing refuse to transport waste into the landfill. Initially, waste was removed from the barges and placed directly on top of adjacent wetlands. During later operations, wetlands adjacent to the canals were dredged prior to placing the waste into dredged areas. In general, these barge canals were deeper than other parts of the landfill and are now filled with waste. The average depth of fill throughout most of the landfill is about 17 feet; in the old barge canals the fill depth reaches about 30 feet. Three to four million tons of mixed commercial and industrial waste were deposited in the landfill during its period of operation from 1964 to 1979. The waste is covered with silt, silty sand, clay, and medium sand, and demolition and construction debris at depths of up to 11 feet. The results of the Remedial Investigation (RI) indicate that there is a mound of contaminated groundwater (landfill leachate) within the landfill waste. This leachate mound is fed by precipitation, and its height varies between approximately 10-16 feet above MSL. Because the mound is considerably higher than the mean sea level and the ground water level surrounding the landfill, the weight of this leachate mound drives landfill contaminants out and away from the landfill. Some of the leachate (approximately 5-35%) is pushed out of the outer edge of the perimeter berm and flows onto wetlands and into tidal channels surrounding the landfill. Most of the leachate seeps occur outside of the landfill berm, but one seep that was sampled during the RI (SP-01) originates on the landfill surface. The remainder of the leachate (approximately 65-95%) is driven downward by the weight of the leachate mound into ground water beneath the landfill, where it migrates outward and is discharged to waterways surrounding the landfill. Groundwater beneath the site is brackish and therefore unusable as a potable water source. Site studies indicate that contaminated groundwater from the landfill migrates to the wetlands and sloughs surrounding the site and does not pose a threat to ground water drinking water sources located across the sloughs. The areas surrounding the landfill have significant aesthetic, environmental, economic, and recreational value. The landfill is located within the Puget Sound Estuary, one of 28 estuaries in the country that have been targeted for protection and restoration under the National Estuary Program. The State of Washington has classified the surface waters surrounding the site as 'Class A' waters of the State, which are characterized as generally 'excellent' waters, where water quality meets or exceeds the requirements for all, or substantially all, designated uses. The tidal mudflats and marsh habitats surrounding the landfill are natural resources that provide spawning and foraging areas for wildlife species. The Snohomish River delta is designated as a Washington Shoreline of Statewide Significance by the Washington State Department of Ecology, and designated as an Area of Major Biological Significance (AMBS) for American shad and English sole by the U.S. Fish and Wildlife Service. The landfill is surrounded on all sides by environmentally sensitive wetlands, including an area of approximately 160 acres of salt marsh and mudflats located immediately west of the landfill. Because of ongoing environmental problems associated with the landfill operations, the landfill was closed in 1979. In April 1995, with the support of the Governor of the State of Washington, the

Map ID
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EDR ID Number
EPA ID Number

US EPA TULALIP LDFL (Continued)

1000148974

Environmental Protection Agency (EPA) published the final rule adding the site to the National Priorities List (NPL). In August 1993, EPA signed an Administrative Order on Consent with several Potentially Responsible Parties to conduct a RI and Feasibility Study. In March 1996, EPA published the Record of Decision (ROD) for the Tulalip Landfill interim remedial action. A ROD was issued in September 1998.

CERCLIS Assessment History:

Action:	DISCOVERY
Date Started:	Not reported
Date Completed:	11/01/79
Priority Level:	Not reported
Action:	PRELIMINARY ASSESSMENT
Date Started:	08/30/84
Date Completed:	08/31/84
Priority Level:	Higher priority for further assessment
Action:	SITE INSPECTION
Date Started:	12/17/84
Date Completed:	01/09/85
Priority Level:	Higher priority for further assessment
Action:	SITE INSPECTION
Date Started:	07/25/88
Date Completed:	08/30/88
Priority Level:	Higher priority for further assessment
Action:	HAZARD RANKING SYSTEM PACKAGE
Date Started:	Not reported
Date Completed:	02/25/91
Priority Level:	Not reported
Action:	PROPOSAL TO NATIONAL PRIORITIES LIST
Date Started:	Not reported
Date Completed:	07/29/91
Priority Level:	Not reported
Action:	REMOVAL ASSESSMENT
Date Started:	12/10/91
Date Completed:	12/26/91
Priority Level:	Not reported
Action:	Notice Letters Issued
Date Started:	Not reported
Date Completed:	01/16/92
Priority Level:	Not reported
Action:	ISSUE REQUEST LETTERS (104E)
Date Started:	Not reported
Date Completed:	01/21/92
Priority Level:	Not reported
Action:	ISSUE REQUEST LETTERS (104E)
Date Started:	Not reported
Date Completed:	01/22/92
Priority Level:	Not reported

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EDR ID Number
EPA ID Number

US EPA TULALIP LDFL (Continued)

1000148974

Action: ISSUE REQUEST LETTERS (104E)
Date Started: Not reported
Date Completed: 01/28/92
Priority Level: Not reported

Action: ISSUE REQUEST LETTERS (104E)
Date Started: Not reported
Date Completed: 02/05/92
Priority Level: Not reported

Action: Notice Letters Issued
Date Started: Not reported
Date Completed: 02/20/92
Priority Level: Not reported

Action: REMOVAL ASSESSMENT
Date Started: Not reported
Date Completed: 04/22/92
Priority Level: Not reported

Action: Notice Letters Issued
Date Started: Not reported
Date Completed: 05/20/92
Priority Level: Not reported

Action: Notice Letters Issued
Date Started: Not reported
Date Completed: 06/09/92
Priority Level: Not reported

Action: Notice Letters Issued
Date Started: Not reported
Date Completed: 07/15/92
Priority Level: Not reported

Action: ISSUE REQUEST LETTERS (104E)
Date Started: Not reported
Date Completed: 08/13/92
Priority Level: Not reported

Action: ISSUE REQUEST LETTERS (104E)
Date Started: Not reported
Date Completed: 10/06/92
Priority Level: Not reported

Action: ISSUE REQUEST LETTERS (104E)
Date Started: Not reported
Date Completed: 10/23/92
Priority Level: Not reported

Action: Special Notice Issued
Date Started: Not reported
Date Completed: 04/26/93
Priority Level: Not reported

Action: NATIONAL PRIORITIES LIST RESPONSIBLE PARTY SEARCH
Date Started: 11/04/91

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Database(s)

EDR ID Number
EPA ID Number

US EPA TULALIP LDFL (Continued)

1000148974

Date Completed: 08/06/93
Priority Level: Search Complete, Viable PRPs

Action: REMEDIAL INVESTIGATION/FEASIBILITY STUDY NEGOTIATIONS
Date Started: 04/26/93
Date Completed: 08/12/93
Priority Level: Not reported

Action: ADMINISTRATIVE ORDER ON CONSENT
Date Started: Not reported
Date Completed: 08/12/93
Priority Level: Not reported

Action: Notice Letters Issued
Date Started: Not reported
Date Completed: 06/10/94
Priority Level: Not reported

Action: ISSUE REQUEST LETTERS (104E)
Date Started: Not reported
Date Completed: 06/15/94
Priority Level: Not reported

Action: ISSUE REQUEST LETTERS (104E)
Date Started: Not reported
Date Completed: 06/22/94
Priority Level: Not reported

Action: ISSUE REQUEST LETTERS (104E)
Date Started: Not reported
Date Completed: 02/03/95
Priority Level: Not reported

Action: Notice Letters Issued
Date Started: Not reported
Date Completed: 02/07/95
Priority Level: Not reported

Action: Notice Letters Issued
Date Started: Not reported
Date Completed: 02/23/95
Priority Level: Not reported

Action: Notice Letters Issued
Date Started: Not reported
Date Completed: 04/03/95
Priority Level: Not reported

Action: FINAL LISTING ON NATIONAL PRIORITIES LIST
Date Started: Not reported
Date Completed: 04/25/95
Priority Level: Not reported

Action: Notice Letters Issued
Date Started: Not reported
Date Completed: 09/14/95
Priority Level: Not reported

Map ID
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Database(s)

EDR ID Number
EPA ID Number

US EPA TULALIP LDFL (Continued)

1000148974

Action: ADMINISTRATIVE ORDER ON CONSENT
Date Started: Not reported
Date Completed: 09/25/95
Priority Level: Not reported

Action: Notice Letters Issued
Date Started: Not reported
Date Completed: 11/13/95
Priority Level: Not reported

Action: Notice Letters Issued
Date Started: Not reported
Date Completed: 12/14/95
Priority Level: Not reported

Action: POTENTIALLY RESPONSIBLE PARTY FEASIBILITY STUDY
Date Started: 08/12/93
Date Completed: 03/01/96
Priority Level: Not reported

Action: RECORD OF DECISION
Date Started: Not reported
Date Completed: 03/01/96
Priority Level: Not reported

Action: Lodged By DOJ
Date Started: Not reported
Date Completed: 01/30/97
Priority Level: Not reported

Action: ADMINISTRATIVE ORDER ON CONSENT
Date Started: Not reported
Date Completed: 07/10/97
Priority Level: Not reported

Action: REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS
Date Started: 04/25/96
Date Completed: 07/29/97
Priority Level: Not reported

Action: CONSENT DECREE
Date Started: 01/20/97
Date Completed: 08/15/97
Priority Level: Not reported

Action: ADMINISTRATIVE ORDER ON CONSENT
Date Started: Not reported
Date Completed: 08/21/97
Priority Level: Not reported

Action: Lodged By DOJ
Date Started: Not reported
Date Completed: 09/08/97
Priority Level: Not reported

Action: Lodged By DOJ
Date Started: Not reported

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US EPA TULALIP LDFL (Continued)

1000148974

Date Completed:	09/08/97
Priority Level:	Not reported
Action:	Lodged By DOJ
Date Started:	Not reported
Date Completed:	09/08/97
Priority Level:	Not reported
Action:	ADMINISTRATIVE ORDER ON CONSENT
Date Started:	Not reported
Date Completed:	12/31/97
Priority Level:	Not reported
Action:	CONSENT DECREE
Date Started:	05/31/97
Date Completed:	03/18/98
Priority Level:	Not reported
Action:	CONSENT DECREE
Date Started:	07/29/97
Date Completed:	03/18/98
Priority Level:	Not reported
Action:	CONSENT DECREE
Date Started:	07/29/97
Date Completed:	03/18/98
Priority Level:	Not reported
Action:	POTENTIALLY RESPONSIBLE PARTY REMEDIAL DESIGN
Date Started:	08/21/97
Date Completed:	05/06/98
Priority Level:	Not reported
Action:	ADMINISTRATIVE ORDER ON CONSENT
Date Started:	Not reported
Date Completed:	09/28/98
Priority Level:	Not reported
Action:	POTENTIALLY RESPONSIBLE PARTY REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started:	08/12/93
Date Completed:	09/29/98
Priority Level:	Not reported
Action:	RECORD OF DECISION
Date Started:	Not reported
Date Completed:	09/29/98
Priority Level:	Final Remedy Selected at Site
Action:	SECTION 107 LITIGATION
Date Started:	09/30/98
Date Completed:	12/29/98
Priority Level:	Not reported
Action:	ISSUE REQUEST LETTERS (104E)
Date Started:	Not reported
Date Completed:	09/24/99

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US EPA TULALIP LDFL (Continued)

1000148974

Priority Level: Not reported

Action: ADMINISTRATIVE ORDER ON CONSENT
Date Started: Not reported
Date Completed: 09/30/99
Priority Level: Not reported

Action: POTENTIALLY RESPONSIBLE PARTY REMOVAL
Date Started: 10/06/97
Date Completed: 03/17/00
Priority Level: Stabilized

Action: NATIONAL PRIORITIES LIST RESPONSIBLE PARTY SEARCH
Date Started: 06/10/94
Date Completed: 05/09/00
Priority Level: Search Complete, Viable PRPs

Action: PRELIMINARY CLOSE-OUT REPORT PREPARED
Date Started: Not reported
Date Completed: 09/28/00
Priority Level: Not reported

Action: CONSENT DECREE
Date Started: 09/30/98
Date Completed: 11/15/00
Priority Level: Not reported

Action: SECTION 106 107 LITIGATION
Date Started: 09/30/98
Date Completed: 11/15/00
Priority Level: Not reported

Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL ACTION
Date Started: 05/06/98
Date Completed: 02/22/01
Priority Level: Interim RA Report

Action: CLOSE OUT REPORT
Date Started: Not reported
Date Completed: 01/07/02
Priority Level: Not reported

Action: DELETION FROM NATIONAL PRIORITIES LIST
Date Started: 06/07/02
Date Completed: 09/18/02
Priority Level: Not reported

Action: FIVE-YEAR REVIEW
Date Started: Not reported
Date Completed: 04/24/03
Priority Level: Not reported

Action: CONSENT AGREEMENT (ADMINISTRATIVE)
Date Started: Not reported
Date Completed: 07/15/03
Priority Level: Not reported

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US EPA TULALIP LDFL (Continued)

1000148974

Action: FIVE-YEAR REVIEW
Date Started: Not reported
Date Completed: 04/24/08
Priority Level: Not reported

Action: OPERATIONS AND MAINTENANCE
Date Started: 02/20/01
Date Completed: Not reported
Priority Level: Not reported

RCRA-NonGen:

Date form received by agency: 08/26/1985
Facility name: US EPA TULALIP LDFL
Facility address: T30N R5E S32 S1/2
MARYSVILLE, WA 98270
EPA ID: WAD980639256
Mailing address: 1200 6TH AVE ECL 116
SEATTLE, WA 98101
Contact: WILLIAM GLASSER
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 10
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: US EPA
Owner/operator address: 1200 6TH AVE ECL 116
SEATTLE, WA 98101
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: 05/02/1996
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: Not reported
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US EPA TULALIP LDFL (Continued)

1000148974

Off-site waste receiver: Commercial status unknown

Violation Status: No violations found

US ENG CONTROLS:

EPA ID: WAD980639256
Site ID: 1000878
Name: TULALIP LANDFILL
Address: TULALIP INDIAN RESERVATION
MARYSVILLE, WA 98270

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

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 3/1/1996
Planned Complet. date: 6/30/1996
Operable Unit: 02
Contaminated Media : Leachate
Engineering Control: Flocculation

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 3/1/1996
Planned Complet. date: 6/30/1996
Operable Unit: 02
Contaminated Media : Leachate
Engineering Control: Monitoring

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 3/1/1996
Planned Complet. date: 6/30/1996
Operable Unit: 02
Contaminated Media : Leachate
Engineering Control: Operations & Maintenance (O&M)

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 3/1/1996
Planned Complet. date: 6/30/1996
Operable Unit: 02
Contaminated Media : Soil
Engineering Control: Cap

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 3/1/1996
Planned Complet. date: 6/30/1996
Operable Unit: 02
Contaminated Media : Soil
Engineering Control: Gas Collection/Treatment

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 3/1/1996

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US EPA TULALIP LDFL (Continued)

1000148974

Planned Complet. date: 6/30/1996
Operable Unit: 02
Contaminated Media : Soil
Engineering Control: Impermeable Barrier

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 3/1/1996
Planned Complet. date: 6/30/1996
Operable Unit: 02
Contaminated Media : Soil
Engineering Control: Liner

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 3/1/1996
Planned Complet. date: 6/30/1996
Operable Unit: 02
Contaminated Media : Soil
Engineering Control: Monitoring

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 3/1/1996
Planned Complet. date: 6/30/1996
Operable Unit: 02
Contaminated Media : Soil
Engineering Control: Operations & Maintenance (O&M)

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 3/1/1996
Planned Complet. date: 6/30/1996
Operable Unit: 02
Contaminated Media : Soil
Engineering Control: Revegetation

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 3/1/1996
Planned Complet. date: 6/30/1996
Operable Unit: 02
Contaminated Media : Soil
Engineering Control: Slope Stabilization

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 3/1/1996
Planned Complet. date: 6/30/1996
Operable Unit: 02
Contaminated Media : Surface Water
Engineering Control: Monitoring

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 3/1/1996
Planned Complet. date: 6/30/1996

Map ID
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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

US EPA TULALIP LDFL (Continued)

1000148974

Operable Unit: 02
Contaminated Media : Surface Water
Engineering Control: Operations & Maintenance (O&M)

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 3/1/1996
Planned Complet. date: 6/30/1996
Operable Unit: 02
Contaminated Media : Surface Water
Engineering Control: Publicly Owned Treatment Works (POTW)

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 3/1/1996
Planned Complet. date: 6/30/1996
Operable Unit: 02
Contaminated Media : Surface Water
Engineering Control: Revegetation

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 3/1/1996
Planned Complet. date: 6/30/1996
Operable Unit: 02
Contaminated Media : Surface Water
Engineering Control: Slope Stabilization

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 9/29/1998
Planned Complet. date: 9/30/1998
Operable Unit: 01
Contaminated Media : Groundwater
Engineering Control: No Further Action

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 9/29/1998
Planned Complet. date: 9/30/1998
Operable Unit: 01
Contaminated Media : Sediment
Engineering Control: Natural Attenuation

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 9/29/1998
Planned Complet. date: 9/30/1998
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: No Further Action

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 9/29/1998
Planned Complet. date: 9/30/1998
Operable Unit: 01

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Database(s)

EDR ID Number
EPA ID Number

US EPA TULALIP LDFL (Continued)

1000148974

Contaminated Media : Solid Waste
Engineering Control: Cap

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 9/29/1998
Planned Complet. date: 9/30/1998
Operable Unit: 01
Contaminated Media : Surface Water
Engineering Control: No Further Action

US INST CONTROL:

EPA ID: WAD980639256
Site ID: 1000878
Name: TULALIP LANDFILL
Action Name: RECORD OF DECISION
Address: TULALIP INDIAN RESERVATION
MARYSVILLE, WA 98270

EPA Region: 10
County: SNOHOMISH
Event Code: Not reported
Inst. Control: Institutional Controls, (N.O.S.)
Actual Date: Not reported
Complet. Date: 3/1/1996
Operable Unit: 02
Contaminated Media : Leachate

EPA ID: WAD980639256
Site ID: 1000878
Name: TULALIP LANDFILL
Action Name: RECORD OF DECISION
Address: TULALIP INDIAN RESERVATION
MARYSVILLE, WA 98270

EPA Region: 10
County: SNOHOMISH
Event Code: Not reported
Inst. Control: Institutional Controls, (N.O.S.)
Actual Date: Not reported
Complet. Date: 3/1/1996
Operable Unit: 02
Contaminated Media : Soil

EPA ID: WAD980639256
Site ID: 1000878
Name: TULALIP LANDFILL
Action Name: RECORD OF DECISION
Address: TULALIP INDIAN RESERVATION
MARYSVILLE, WA 98270

EPA Region: 10
County: SNOHOMISH
Event Code: Not reported
Inst. Control: Institutional Controls, (N.O.S.)
Actual Date: Not reported
Complet. Date: 3/1/1996
Operable Unit: 02
Contaminated Media : Surface Water

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US EPA TULALIP LDFL (Continued)

1000148974

EPA ID: WAD980639256
Site ID: 1000878
Name: TULALIP LANDFILL
Action Name: RECORD OF DECISION
Address: TULALIP INDIAN RESERVATION
MARYSVILLE, WA 98270

EPA Region: 10
County: SNOHOMISH
Event Code: Not reported
Inst. Control: Institutional Controls, (N.O.S.)
Actual Date: Not reported
Comple. Date: 9/29/1998
Operable Unit: 01
Contaminated Media : Leachate

EPA ID: WAD980639256
Site ID: 1000878
Name: TULALIP LANDFILL
Action Name: RECORD OF DECISION
Address: TULALIP INDIAN RESERVATION
MARYSVILLE, WA 98270

EPA Region: 10
County: SNOHOMISH
Event Code: Not reported
Inst. Control: Institutional Controls, (N.O.S.)
Actual Date: Not reported
Comple. Date: 9/29/1998
Operable Unit: 01
Contaminated Media : Other

EPA ID: WAD980639256
Site ID: 1000878
Name: TULALIP LANDFILL
Action Name: RECORD OF DECISION
Address: TULALIP INDIAN RESERVATION
MARYSVILLE, WA 98270

EPA Region: 10
County: SNOHOMISH
Event Code: Not reported
Inst. Control: Institutional Controls, (N.O.S.)
Actual Date: Not reported
Comple. Date: 9/29/1998
Operable Unit: 01
Contaminated Media : Sediment

EPA ID: WAD980639256
Site ID: 1000878
Name: TULALIP LANDFILL
Action Name: RECORD OF DECISION
Address: TULALIP INDIAN RESERVATION
MARYSVILLE, WA 98270

EPA Region: 10
County: SNOHOMISH
Event Code: Not reported
Inst. Control: Institutional Controls, (N.O.S.)
Actual Date: Not reported
Comple. Date: 9/29/1998

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US EPA TULALIP LDFL (Continued)

1000148974

Operable Unit: 01
Contaminated Media : Soil

EPA ID: WAD980639256
Site ID: 1000878
Name: TULALIP LANDFILL
Action Name: RECORD OF DECISION
Address: TULALIP INDIAN RESERVATION
MARYSVILLE, WA 98270

EPA Region: 10
County: SNOHOMISH
Event Code: Not reported
Inst. Control: Institutional Controls, (N.O.S.)
Actual Date: Not reported
Comple. Date: 9/29/1998
Operable Unit: 01
Contaminated Media : Surface Water

ROD:

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

FINDS:

Registry ID: 110008217367

Environmental Interest/Information System

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.

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.

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.

Map ID
Direction
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Elevation

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Database(s)

EDR ID Number
EPA ID Number

US EPA TULALIP LDFL (Continued)

1000148974

CSCSL:

Facility ID: 191
Facility Type: Not reported
Region: Northwest
Ecology Status Code: 3
Entered Date: 3/1/1988
Updated Date: 10/11/2002
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: 48.04149
Longitude: -122.18347
Lat/Long: 48.04149 / -122.18347
Lat/Long (dms): 48 2 29.364 / -122 11 0.492
Media Status Desc: 1/1/0001
Affected Media: Soil
Affected Media Status: Suspected
Pesticides: Not reported
Petroleum Products: Not reported
Phenolic Compounds: Not reported
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Responsible Unit: EPA
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: Not reported
Metals - Other non-priority pollutant medals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Not reported
Conventional Contaminants, Organic: Suspected
Conventional Contaminants, Inorganic: Suspected
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: 191
Facility Type: Not reported
Region: Northwest
Ecology Status Code: 3
Entered Date: 3/1/1988
Updated Date: 10/11/2002
Brownfield Status: 0
Rank Status: 0
PSI Status: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US EPA TULALIP LDFL (Continued)

1000148974

Clean Method: Not reported
Drinking Water Type: Not reported
Cleanup Standard: Not reported
Acres Remediated: Not reported
Latitude: 48.04149
Longitude: -122.18347
Lat/Long: 48.04149 / -122.18347
Lat/Long (dms): 48 2 29.364 / -122 11 0.492
Media Status Desc: 1/1/0001
Affected Media: Sediment
Affected Media Status: Suspected
Pesticides: Not reported
Petroleum Products: Not reported
Phenolic Compounds: Not reported
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Responsible Unit: EPA
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: Not reported
Metals - Other non-priority pollutant medals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Not reported
Conventional Contaminants, Organic: Suspected
Conventional Contaminants, Inorganic: Suspected
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: 191
Facility Type: Not reported
Region: Northwest
Ecology Status Code: 3
Entered Date: 3/1/1988
Updated Date: 10/11/2002
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: 48.04149
Longitude: -122.18347
Lat/Long: 48.04149 / -122.18347
Lat/Long (dms): 48 2 29.364 / -122 11 0.492
Media Status Desc: 1/1/0001
Affected Media: Groundwater

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US EPA TULALIP LDFL (Continued)

1000148974

Affected Media Status: Suspected
Pesticides: Not reported
Petroleum Products: Not reported
Phenolic Compounds: Not reported
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Responsible Unit: EPA
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: Not reported
Metals - Other non-priority pollutant metals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Not reported
Conventional Contaminants, Organic: Suspected
Conventional Contaminants, Inorganic: Suspected
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: 191
Facility Type: Not reported
Region: Northwest
Ecology Status Code: 3
Entered Date: 3/1/1988
Updated Date: 10/11/2002
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: 48.04149
Longitude: -122.18347
Lat/Long: 48.04149 / -122.18347
Lat/Long (dms): 48 2 29.364 / -122 11 0.492
Media Status Desc: 1/1/0001
Affected Media: Surface Water
Affected Media Status: Suspected
Pesticides: Not reported
Petroleum Products: Not reported
Phenolic Compounds: Not reported
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Responsible Unit: EPA
Arsenic Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US EPA TULALIP LDFL (Continued)

1000148974

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: Not reported
Metals - Other non-priority pollutant medals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Not reported
Conventional Contaminants, Organic: Suspected
Conventional Contaminants, Inorganic: Suspected
Tributyl 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: 191
Facility Type: Not reported
Region: Northwest
Ecology Status Code: 3
Entered Date: 3/1/1988
Updated Date: 10/11/2002
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: 48.04149
Longitude: -122.18347
Lat/Long: 48.04149 / -122.18347
Lat/Long (dms): 48 2 29.364 / -122 11 0.492
Media Status Desc: 1/1/0001
Affected Media: Air
Affected Media Status: Suspected
Pesticides: Not reported
Petroleum Products: Not reported
Phenolic Compounds: Not reported
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Responsible Unit: EPA
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: Not reported
Metals - Other non-priority pollutant medals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US EPA TULALIP LDFL (Continued)

1000148974

Conventional Contaminants, Organic: Suspected
Conventional Contaminants, Inorganic: Suspected
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

ALLSITES:

Facility Id: 191
Latitude: 48.041490000000003
Longitude: -122.18347
Geographic location identifier (alias facid): 191
Facility Name: TULALIP LANDFILL
Latitude Decimal Degrees: 48.041490000000003
Longitude Decimal Degrees: -122.18347
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): 191
Interaction (Aka Env Int) Type Code: HWG
Interaction (Aka Env Int) Description: Hazardous Waste Generator
Interaction Status: I
Federal Program Identifier: WAD980639256
Interaction Start Date: 1/20/1989
Interaction End Date: 2/21/1990

Geographic Location Identifier (Alias Facid): 191
Interaction (Aka Env Int) Type Code: FCS
Interaction (Aka Env Int) Description: Federal (Superfund) Cleanup St
Interaction Status: A
Federal Program Identifier: WAD980639256
Interaction Start Date: 3/13/1996
Interaction End Date: Not reported

HSL:

edr_fstat: WA
edr_fzip: Not reported
edr_fcnty: SNOHOMISH
edr_zip: Not reported
Facility Type: Hazardous Sites List
Facility Status: RA in progress
FSID Number: 191
Rank: 0
Region: HQ

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1
ENE
< 1/8
0.090 mi.
476 ft.

MARYSVILLE CITY WATERFRONT PARK
MARYSVILLE, WA

CSCSL
ALLSITES
HSL

S105430859
N/A

Relative:
Higher

Actual:
12 ft.

CSCSL:

Facility ID: 43566392
Facility Type: Independent
Region: Northwest
Ecology Status Code: 2
Entered Date: 1/14/2002
Updated Date: 2/5/2009
Brownfield Status: 0
Rank Status: 4
PSI Status: 1
Clean Method: Not reported
Drinking Water Type: Not reported
Cleanup Standard: Not reported
Acres Remediated: Not reported
Latitude: 48.048388
Longitude: -122.177991
Lat/Long: 48.048388 / -122.177991
Lat/Long (dms): 48 2 54.197 / -122 10 40.768
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: NORTHWEST
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): Not reported
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): Ranked, Awaiting RA

Facility ID: 43566392
Facility Type: Independent
Region: Northwest
Ecology Status Code: 2
Entered Date: 1/14/2002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARYSVILLE CITY WATERFRONT PARK (Continued)

S105430859

Updated Date: 2/5/2009
Brownfield Status: 0
Rank Status: 4
PSI Status: 1
Clean Method: Not reported
Drinking Water Type: Not reported
Cleanup Standard: Not reported
Acres Remediated: Not reported
Latitude: 48.048388
Longitude: -122.177991
Lat/Long: 48.048388 / -122.177991
Lat/Long (dms): 48 2 54.197 / -122 10 40.768
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: NORTHWEST
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: Not reported
Metals - Other non-priority pollutant metals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
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): Ranked, Awaiting RA

Facility ID: 43566392
Facility Type: Independent
Region: Northwest
Ecology Status Code: 2
Entered Date: 1/14/2002
Updated Date: 2/5/2009
Brownfield Status: 0
Rank Status: 4
PSI Status: 1
Clean Method: Not reported
Drinking Water Type: Not reported
Cleanup Standard: Not reported
Acres Remediated: Not reported
Latitude: 48.048388
Longitude: -122.177991

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARYSVILLE CITY WATERFRONT PARK (Continued)

S105430859

Lat/Long: 48.048388 / -122.177991
Lat/Long (dms): 48 2 54.197 / -122 10 40.768
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: Not reported
Responsible Unit: NORTHWEST
Arsenic Code: Not reported
MTBE Code: Not reported
UXO Code: Not reported
Dioxin: Not reported
Non-Halogenated Solvents: Confirmed
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): Not reported
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 (MTC A cleanup process): Ranked, Awaiting RA

ALLSITES:

Facility Id: 43566392
Latitude: 48.048388000000003
Longitude: -122.17799100000001
Geographic location identifier (alias facid): 43566392
Facility Name: MARYSVILLE CITY WATERFRONT PARK
Latitude Decimal Degrees: 48.048388000000003
Longitude Decimal Degrees: -122.17799100000001
Coordinate Point Areal Extent Code: 2
Horizontal Accuracy Code: 99
Coordinate Point Geographic Position Code: 8
Location Verified Code: Y

Geographic Location Identifier (Alias Facid): 43566392
Interaction (Aka Env Int) Type Code: 401PROJ
Interaction (Aka Env Int) Description: 401CZM Project Site
Interaction Status: A
Federal Program Identifier: 200201278
Interaction Start Date: 9/13/2004
Interaction End Date: Not reported

Geographic Location Identifier (Alias Facid): 43566392
Interaction (Aka Env Int) Type Code: VOLCLNST
Interaction (Aka Env Int) Description: Voluntary Cleanup Sites
Interaction Status: I

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARYSVILLE CITY WATERFRONT PARK (Continued)

S105430859

Federal Program Identifier: NW1200
Interaction Start Date: 12/23/2003
Interaction End Date: 8/5/2008

Geographic Location Identifier (Alias Facid): 43566392
Interaction (Aka Env Int) Type Code: NONENFNL
Interaction (Aka Env Int) Description: Non Enforcement Final
Interaction Status: A
Federal Program Identifier: Not reported
Interaction Start Date: 12/2/2004
Interaction End Date: Not reported

Geographic Location Identifier (Alias Facid): 43566392
Interaction (Aka Env Int) Type Code: INDPNDNT
Interaction (Aka Env Int) Description: Independent Cleanup
Interaction Status: I
Federal Program Identifier: Not reported
Interaction Start Date: 1/14/2002
Interaction End Date: Not reported

HSL:

edr_fstat: WA
edr_fzip: Not reported
edr_fcnty: SNOHOMISH
edr_zip: Not reported
Facility Type: Hazardous Sites List
Facility Status: Ranked, Awaiting RA
FSID Number: 43566392
Rank: 4
Region: NW

A2 BAXTER AUTO REPAIR
NE 1408 1ST ST
< 1/8 MARYSVILLE, WA 98270
0.098 mi.
519 ft. Site 1 of 2 in cluster A

RCRA-CESQG 1004793403
FINDS WAD027351972
ALLSITES
UST
MANIFEST
SPILLS

Relative:
Higher

Actual:
15 ft.

RCRA-CESQG:
Date form received by agency: 01/02/2008
Facility name: BAXTER AUTO REPAIR
Facility address: 1408 1ST ST
MARYSVILLE, WA 98270
EPA ID: WAD027351972
Contact: GLEN KIESO
Contact address: 1408 1ST ST
MARYSVILLE, WA 98270-5111
Contact country: US
Contact telephone: (360)659-2650
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BAXTER AUTO REPAIR (Continued)

1004793403

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: GLEN KIESO
Owner/operator address: 1408 1ST ST
MARYSVILLE, WA 98270
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/31/2007
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
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: BAXTER AUTO REPAIR
Classification: Not a generator, verified

Date form received by agency: 12/31/2005
Facility name: BAXTER AUTO REPAIR
Classification: Not a generator, verified

Date form received by agency: 12/31/2003
Facility name: BAXTER AUTO REPAIR
Classification: Not a generator, verified

Violation Status: No violations found

FINDS:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BAXTER AUTO REPAIR (Continued)

1004793403

Registry ID: 110005316942

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 corrective action activities required under RCRA.

ALLSITES:

Facility Id: 54684393
Latitude: 48.048689000000003
Longitude: -122.179868
Geographic location identifier (alias facid): 54684393
Facility Name: Baxter Auto Repair
Latitude Decimal Degrees: 48.048689000000003
Longitude Decimal Degrees: -122.179868
Coordinate Point Areal Extent Code: 4
Horizontal Accuracy Code: 6
Coordinate Point Geographic Position Code: 5
Location Verified Code: N

Geographic Location Identifier (Alias Facid): 54684393
Interaction (Aka Env Int) Type Code: HWG
Interaction (Aka Env Int) Description: Hazardous Waste Generator
Interaction Status: A
Federal Program Identifier: WAD027351972
Interaction Start Date: 7/24/1989
Interaction End Date: Not reported

Geographic Location Identifier (Alias Facid): 54684393
Interaction (Aka Env Int) Type Code: UST
Interaction (Aka Env Int) Description: Underground Storage Tank
Interaction Status: I
Federal Program Identifier: 3924
Interaction Start Date: 6/8/1998
Interaction End Date: 5/3/2000

UST:

Facility ID: 54684393
Site ID: 3924
Lat Deg: 48
Lat Min: 2
Lat Sec: 55.2804000000111
Long Deg: -122
Long Min: 10

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BAXTER AUTO REPAIR (Continued)

1004793403

Long Sec: 47.5247999999965
UBI: Not reported
Phone Number: 2066592650

Tank ID: 1826
Tank Name: 2
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: Not reported
Tank Construction: Not reported
Tank Tightness Test: Not reported
Tank Corrosion Protection: Not reported
Pipe Material: Not reported
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

Tank ID: 1990
Tank Name: 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: Not reported
Tank Construction: Not reported
Tank Tightness Test: Not reported
Tank Corrosion Protection: Not reported
Pipe Material: Not reported
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BAXTER AUTO REPAIR (Continued)

1004793403

Pipe Tightness Test: Not reported
Tank Actual Status Date: 8/6/1996
Tag Number: Not reported

WA MANIFEST:

Facility Site ID Number: 54684393
SWC Desc: Not reported
FWC Desc: Not reported
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: WAD027351972
Facility Address 2: Not reported
TAX REG NBR: 601433830
NAICS CD: 811111
BUSINESS TYPE: Auto Repair & Parts Sale
MAIL NAME: Baxter Auto Repair
MAIL ADDR LINE1: 1408 1st St
MAIL CITY,ST,ZIP: MARYSVILLE, WA 98270-5111
MAIL COUNTRY: UNITED STATES
LEGAL ORG NAME: Baxter Auto Repair
LEGAL ORG TYPE: Private
LEGAL ADDR LINE1: 21840 Pinto Lane
LEGAL CITY,ST,ZIP: LEAVENWORTH, WA 98826
LEGAL COUNTRY: UNITED STATES
LEGAL PHONE NBR: (509)763-2196
LEGAL EFFECTIVE DATE: 4/1/1992
LAND ORG NAME: Not reported
LAND ORG TYPE: Private
LAND PERSON NAME: Glen Kieso
LAND ADDR LINE1: 21840 Pinto Lane
LAND CITY,ST,ZIP: LEAVENWORTH, WA 98826
LAND COUNTRY: UNITED STATES

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BAXTER AUTO REPAIR (Continued)

1004793403

LAND PHONE NBR: (509)763-2196
OPERATOR ORG NAME: Not reported
OPERATOR ORG TYPE: Private
OPERATOR ADDR LINE1: 21840 Pinto Lane
OPERATOR CITY,ST,ZIP: LEAVENWORTH, WA 98826
OPERATOR COUNTRY: UNITED STATES
OPERATOR PHONE NBR: (360)659-2650
OPERATOR EFFECTIVE DATE: Not reported
SITE CONTACT NAME: Glen Kieso
SITE CONTACT ADDR LINE1: 21840 Pinto Lane
SITE CONTACT ZIP: LEAVENWORTH, WA 98826
SITE CONTACT COUNTRY: UNITED STATES
SITE CONTACT PHONE NBR: (360)659-2650
SITE CONTACT EMAIL: Not reported
FORM CONTACT NAME: Marie Kieso
FORM CONTACT ADDR LINE1: 21840 Pinto Lane
FORM CONTACT CITY,ST,ZIP: Leavenworth, WA 98826
FORM CONTACT COUNTRY: UNITED STATES
FORM CONTACT PHONE NBR: 509-763-2196
FORM CONTACT EMAIL: mariekieso@msn.com
GEN STATUS CD: SQG
MONTHLY GENERATION: True
BATCH GENERATION: False
ONE TIME GENERATION: False
TRANSPORTS OWN WASTE: False
TRANSPORTS OTHERS 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: 54684393
SWC Desc: Not reported
FWC Desc: Not reported
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BAXTER AUTO REPAIR (Continued)

1004793403

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: WAD027351972
Facility Address 2: Not reported
TAX REG NBR: 601433830
NAICS CD: 811111
BUSINESS TYPE: Auto Repair & Parts Sale
MAIL NAME: Baxter Auto Repair
MAIL ADDR LINE1: 1408 1st St
MAIL CITY,ST,ZIP: MARYSVILLE, WA 98270-5111
MAIL COUNTRY: UNITED STATES
LEGAL ORG NAME: Baxter Auto Repair
LEGAL ORG TYPE: Private
LEGAL ADDR LINE1: 11455 Clark Canyon Rd
LEGAL CITY,ST,ZIP: LEAVENWORTH, WA 98826
LEGAL COUNTRY: UNITED STATES
LEGAL PHONE NBR: (509)548-2334
LEGAL EFFECTIVE DATE: 4/1/1992
LAND ORG NAME: Not reported
LAND ORG TYPE: Private
LAND PERSON NAME: Glen Kieso
LAND ADDR LINE1: 11455 Clark Canyon Rd
LAND CITY,ST,ZIP: LEAVENWORTH, WA 98826
LAND COUNTRY: UNITED STATES
LAND PHONE NBR: (509)548-2334
OPERATOR ORG NAME: Not reported
OPERATOR ORG TYPE: Private
OPERATOR ADDR LINE1: 11455 Clark Canyon Rd
OPERATOR CITY,ST,ZIP: LEAVENWORTH, WA 98826
OPERATOR COUNTRY: UNITED STATES
OPERATOR PHONE NBR: (360)659-2650
OPERATOR EFFECTIVE DATE: Not reported
SITE CONTACT NAME: Glen Kieso
SITE CONTACT ADDR LINE1: 11455 Clark Canyon Rd
SITE CONTACT ZIP: LEAVENWORTH, WA 98826
SITE CONTACT COUNTRY: UNITED STATES
SITE CONTACT PHONE NBR: (360)659-2650
SITE CONTACT EMAIL: mariekieso@msn.com
FORM CONTACT NAME: Marie Kieso
FORM CONTACT ADDR LINE1: 11455 Clark Canyon Rd
FORM CONTACT CITY,ST,ZIP: Leavenworth, WA 98826
FORM CONTACT COUNTRY: UNITED STATES
FORM CONTACT PHONE NBR: 509-548-2334
FORM CONTACT EMAIL: mariekieso@msn.com
GEN STATUS CD: SQG
MONTHLY GENERATION: True
BATCH GENERATION: False
ONE TIME GENERATION: False
TRANSPORTS OWN WASTE: False

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BAXTER AUTO REPAIR (Continued)

1004793403

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: 54684393
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: 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: WAD027351972
Facility Address 2: Not reported
TAX REG NBR: 601433830
NAICS CD: 811111
BUSINESS TYPE: Auto Repair & Parts Sale
MAIL NAME: Baxter Auto Repair
MAIL ADDR LINE1: 1408 1st St
MAIL CITY,ST,ZIP: MARYSVILLE, WA 98270-5111
MAIL COUNTRY: UNITED STATES
LEGAL ORG NAME: Baxter Auto Repair
LEGAL ORG TYPE: Private
LEGAL ADDR LINE1: 11455 Clark Canyon Rd
LEGAL CITY,ST,ZIP: LEAVENWORTH, WA 98826
LEGAL COUNTRY: UNITED STATES
LEGAL PHONE NBR: (509)548-2334

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BAXTER AUTO REPAIR (Continued)

1004793403

LEGAL EFFECTIVE DATE: 4/1/1992
LAND ORG NAME: Not reported
LAND ORG TYPE: Private
LAND PERSON NAME: Glen Kieso
LAND ADDR LINE1: 11455 Clark Canyon Rd
LAND CITY,ST,ZIP: LEAVENWORTH, WA 98826
LAND COUNTRY: UNITED STATES
LAND PHONE NBR: (509)548-2334
OPERATOR ORG NAME: Not reported
OPERATOR ORG TYPE: Private
OPERATOR ADDR LINE1: 11455 Clark Canyon Rd
OPERATOR CITY,ST,ZIP: LEAVENWORTH, WA 98826
OPERATOR COUNTRY: UNITED STATES
OPERATOR PHONE NBR: (360)659-2650
OPERATOR EFFECTIVE DATE: Not reported
SITE CONTACT NAME: Glen Kieso
SITE CONTACT ADDR LINE1: 11455 Clark Canyon Rd
SITE CONTACT ZIP: LEAVENWORTH, WA 98826
SITE CONTACT COUNTRY: UNITED STATES
SITE CONTACT PHONE NBR: (360)659-2650
SITE CONTACT EMAIL: mariekieso@msn.com
FORM CONTACT NAME: Marie Kieso
FORM CONTACT ADDR LINE1: 11455 Clark Canyon Rd
FORM CONTACT CITY,ST,ZIP: Leavenworth, WA 98826
FORM CONTACT COUNTRY: UNITED STATES
FORM CONTACT PHONE NBR: 509-548-2334
FORM CONTACT EMAIL: mariekieso@msn.com
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: 54684393
SWC Desc: Not reported
FWC Desc: Not reported
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)
EDR ID Number
EPA ID Number

BAXTER AUTO REPAIR (Continued)

1004793403

"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: WAD027351972
Facility Address 2: Not reported
TAX REG NBR: 601433830
NAICS CD: 811111
BUSINESS TYPE: Auto Repair & Parts Sale
MAIL NAME: Baxter Auto Repair
MAIL ADDR LINE1: 1408 1st St
MAIL CITY,ST,ZIP: MARYSVILLE, WA 98270-5111
MAIL COUNTRY: UNITED STATES
LEGAL ORG NAME: Baxter Auto Repair
LEGAL ORG TYPE: Private
LEGAL ADDR LINE1: 21840 Pinto Lane
LEGAL CITY,ST,ZIP: LEAVENWORTH, WA 98826
LEGAL COUNTRY: UNITED STATES
LEGAL PHONE NBR: (509)763-2196
LEGAL EFFECTIVE DATE: 4/1/1992
LAND ORG NAME: Not reported
LAND ORG TYPE: Private
LAND PERSON NAME: Virgil Baxter
LAND ADDR LINE1: 4401 80th St NE #3
LAND CITY,ST,ZIP: MARYSVILLE, WA 98270
LAND COUNTRY: UNITED STATES
LAND PHONE NBR: (360)659-3146
OPERATOR ORG NAME: Not reported
OPERATOR ORG TYPE: Private
OPERATOR ADDR LINE1: 21840 Pinto Lane
OPERATOR CITY,ST,ZIP: LEAVENWORTH, WA 98826
OPERATOR COUNTRY: UNITED STATES
OPERATOR PHONE NBR: (360)659-2650
OPERATOR EFFECTIVE DATE: 4/1/1992
SITE CONTACT NAME: Glen Kieso
SITE CONTACT ADDR LINE1: 21840 Pinto Lane
SITE CONTACT ZIP: LEAVENWORTH, WA 98826
SITE CONTACT COUNTRY: UNITED STATES
SITE CONTACT PHONE NBR: (509)763-2196
SITE CONTACT EMAIL: mariekieso@msn.com
FORM CONTACT NAME: Glen Kieso
FORM CONTACT ADDR LINE1: 21840 Pinto Lane
FORM CONTACT CITY,ST,ZIP: LEAVENWORTH, WA 98826
FORM CONTACT COUNTRY: UNITED STATES

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BAXTER AUTO REPAIR (Continued)

1004793403

FORM CONTACT PHONE NBR: (509)763-2196
FORM CONTACT EMAIL: mariekieso@msn.com
GEN STATUS CD: SQG
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

Facility Site ID Number: 54684393
SWC Desc: Not reported
FWC Desc: Not reported
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: WAD027351972
Facility Address 2: Not reported
TAX REG NBR: 601433830
NAICS CD: 811111
BUSINESS TYPE: Auto Repair & Parts Sale
MAIL NAME: Baxter Auto Repair
MAIL ADDR LINE1: 1408 1st St
MAIL CITY,ST,ZIP: MARYSVILLE, WA 98270-5111

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

BAXTER AUTO REPAIR (Continued)

1004793403

MAIL COUNTRY: UNITED STATES
LEGAL ORG NAME: Baxter Auto Repair
LEGAL ORG TYPE: Private
LEGAL ADDR LINE1: 21840 Pinto Lane
LEGAL CITY,ST,ZIP: LEAVENWORTH, WA 98826
LEGAL COUNTRY: UNITED STATES
LEGAL PHONE NBR: (509)763-2196
LEGAL EFFECTIVE DATE: 4/1/1992
LAND ORG NAME: Not reported
LAND ORG TYPE: Private
LAND PERSON NAME: Glen Kieso
LAND ADDR LINE1: 21840 Pinto Lane
LAND CITY,ST,ZIP: LEAVENWORTH, WA 98826
LAND COUNTRY: UNITED STATES
LAND PHONE NBR: (509)763-2196
OPERATOR ORG NAME: Not reported
OPERATOR ORG TYPE: Private
OPERATOR ADDR LINE1: 21840 Pinto Lane
OPERATOR CITY,ST,ZIP: LEAVENWORTH, WA 98826
OPERATOR COUNTRY: UNITED STATES
OPERATOR PHONE NBR: (360)659-2650
OPERATOR EFFECTIVE DATE: Not reported
SITE CONTACT NAME: Glen Kieso
SITE CONTACT ADDR LINE1: 21840 Pinto Lane
SITE CONTACT ZIP: LEAVENWORTH, WA 98826
SITE CONTACT COUNTRY: UNITED STATES
SITE CONTACT PHONE NBR: (360)659-2650
SITE CONTACT EMAIL: Not reported
FORM CONTACT NAME: Marie Kieso
FORM CONTACT ADDR LINE1: 21840 Pinto Lane
FORM CONTACT CITY,ST,ZIP: Leavenworth, WA 98826
FORM CONTACT COUNTRY: UNITED STATES
FORM CONTACT PHONE NBR: 509-763-2196
FORM CONTACT EMAIL: mariekieso@msn.com
GEN STATUS CD: SQG
MONTHLY GENERATION: TRUE
BATCH GENERATION: FALSE
ONE TIME GENERATION: FALSE
TRANSPORTS OWN WASTE: FALSE
TRANSPORTS OTHERS 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.

SPILLS:

Facility ID: 546483
Medium: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BAXTER AUTO REPAIR (Continued)

1004793403

Material Desc: PETROLEUM - WASTE/USED OIL
Material Qty: Not reported
Material Units: Not reported
Date Received: 2/24/2005
Contact Name: KIESO

A3
NE
< 1/8
0.098 mi.
519 ft.

MALL MARYSVILLE
1409 1ST ST
MARYSVILLE, WA 98270

ALLSITES U003028966
UST N/A

Site 2 of 2 in cluster A

Relative:
Higher

ALLSITES:

Facility Id: 6356139
Latitude: 48.048689000000003
Longitude: -122.179868
Geographic location identifier (alias facid): 6356139
Facility Name: MALL MARYSVILLE
Latitude Decimal Degrees: 48.048689000000003
Longitude Decimal Degrees: -122.179868
Coordinate Point Areal Extent Code: 4
Horizontal Accuracy Code: 6
Coordinate Point Geographic Position Code: 5
Location Verified Code: N

Actual:
15 ft.

Geographic Location Identifier (Alias Facid): 6356139
Interaction (Aka Env Int) Type Code: UST
Interaction (Aka Env Int) Description: Underground Storage Tank
Interaction Status: I
Federal Program Identifier: 9699
Interaction Start Date: 6/8/1998
Interaction End Date: 5/3/2000

UST:

Facility ID: 6356139
Site ID: 9699
Lat Deg: 48
Lat Min: 2
Lat Sec: 55.2804000000111
Long Deg: -122
Long Min: 10
Long Sec: 47.5247999999965
UBI: Not reported
Phone Number: 2066597643

Tank ID: 27196
Tank Name: 1
Install Date: 12/31/1964
Capacity: 111 TO 1,100 Gallons
Tank Upgrade Date: 1/1/0001
TankSystem Status: Removed
TankSystem Status Change Date: 3/26/1996
Tank Status: Removed
Tank Permit Expiration Date: 1/1/0001
Tank Closure Date: 1/1/0001
Tank Pumping System: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

MALL MARYSVILLE (Continued)

U003028966

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

B4
ENE
1/8-1/4
0.132 mi.
698 ft.

INTERFOR PACIFIC INC
60 STATE AVE
MARYSVILLE, WA 98270

Site 1 of 3 in cluster B

CSCSL U001122422
ALLSITES N/A
UST
VCP

Relative:
Higher

CSCSL:

Actual:
14 ft.

Facility ID: 85223839
Facility Type: VCP
Region: Northwest
Ecology Status Code: 3
Entered Date: 3/3/2010
Updated Date: 3/12/2010
Brownfield Status: 0
Rank Status: Not reported
PSI Status: 1
Clean Method: Not reported
Drinking Water Type: Not reported
Cleanup Standard: Not reported
Acres Remediated: Not reported
Latitude: 48.0470143838423
Longitude: -122.176205130988
Lat/Long: 48.0470143838423 / -122.176205130988
Lat/Long (dms): Not reported
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: Not reported
Responsible Unit: NORTHWEST
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

INTERFOR PACIFIC INC (Continued)

U001122422

Halogenated Organic Compounds: Not reported
EPA Priority Pollutants - Metals and Cyanide: Not reported
Metals - Other non-priority pollutant medals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
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: 85223839
Facility Type: VCP
Region: Northwest
Ecology Status Code: 3
Entered Date: 3/3/2010
Updated Date: 3/12/2010
Brownfield Status: 0
Rank Status: Not reported
PSI Status: 1
Clean Method: Not reported
Drinking Water Type: Not reported
Cleanup Standard: Not reported
Acres Remediated: Not reported
Latitude: 48.0470143838423
Longitude: -122.176205130988
Lat/Long: 48.0470143838423 / -122.176205130988
Lat/Long (dms): Not reported
Media Status Desc: 3/3/2010
Affected Media: Groundwater
Affected Media Status: Suspected
Pesticides: Not reported
Petroleum Products: Suspected
Phenolic Compounds: Not reported
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Responsible Unit: NORTHWEST
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: Not reported
Metals - Other non-priority pollutant medals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Suspected
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INTERFOR PACIFIC INC (Continued)

U001122422

Other Deleterious Substance Group: Not reported
Ecology Site Status (MTCA cleanup process): RA in Progress

ALLSITES:

Facility Id: 85223839
Latitude: 48.047014383842303
Longitude: -122.176205130988
Geographic location identifier (alias facid): 85223839
Facility Name: INTERFOR PACIFIC INC
Latitude Decimal Degrees: 48.04701438
Longitude Decimal Degrees: -122.17620513
Coordinate Point Areal Extent Code: 4
Horizontal Accuracy Code: 6
Coordinate Point Geographic Position Code: 8
Location Verified Code: Not reported

Geographic Location Identifier (Alias Facid): 85223839
Interaction (Aka Env Int) Type Code: HWP
Interaction (Aka Env Int) Description: Hazardous Waste Planner
Interaction Status: A
Federal Program Identifier: CRK000051530
Interaction Start Date: 7/1/2008
Interaction End Date: Not reported

Geographic Location Identifier (Alias Facid): 85223839
Interaction (Aka Env Int) Type Code: INDUSTGP
Interaction (Aka Env Int) Description: Industrial SW GP
Interaction Status: I
Federal Program Identifier: SO3001992
Interaction Start Date: 9/14/1994
Interaction End Date: 12/4/2006

Geographic Location Identifier (Alias Facid): 85223839
Interaction (Aka Env Int) Type Code: TIER2
Interaction (Aka Env Int) Description: Emergency/Haz Chem Rpt TIER2
Interaction Status: A
Federal Program Identifier: CRK000051530
Interaction Start Date: 9/15/2003
Interaction End Date: Not reported

Geographic Location Identifier (Alias Facid): 85223839
Interaction (Aka Env Int) Type Code: UST
Interaction (Aka Env Int) Description: Underground Storage Tank
Interaction Status: I
Federal Program Identifier: 1638
Interaction Start Date: 6/8/1998
Interaction End Date: 5/3/2000

Geographic Location Identifier (Alias Facid): 85223839
Interaction (Aka Env Int) Type Code: VOLCLNST
Interaction (Aka Env Int) Description: Voluntary Cleanup Sites
Interaction Status: A
Federal Program Identifier: nw2260
Interaction Start Date: 3/3/2010
Interaction End Date: Not reported

Geographic Location Identifier (Alias Facid): 85223839

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INTERFOR PACIFIC INC (Continued)

U001122422

Interaction (Aka Env Int) Type Code: LUST
Interaction (Aka Env Int) Description: LUST Facility
Interaction Status: A
Federal Program Identifier: 1638
Interaction Start Date: 2/8/2010
Interaction End Date: Not reported

UST:

Facility ID: 85223839
Site ID: 1638
Lat Deg: Not reported
Lat Min: Not reported
Lat Sec: Not reported
Long Deg: Not reported
Long Min: Not reported
Long Sec: Not reported
UBI: Not reported
Phone Number: 2066598584

Tank ID: 39753
Tank Name: 2
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

Tank ID: 39799
Tank Name: 4
Install Date: 12/31/1964
Capacity: Not reported
Tank Upgrade Date: 1/1/0001
TankSystem Status: Exempt
TankSystem Status Change Date: 8/26/1996
Tank Status: Exempt

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INTERFOR PACIFIC INC (Continued)

U001122422

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: Not reported
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

Tank ID: 39841
Tank Name: 3
Install Date: 12/31/1964
Capacity: Not reported
Tank Upgrade Date: 1/1/0001
TankSystem Status: Exempt
TankSystem Status Change Date: 8/26/1996
Tank Status: Exempt
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

Tank ID: 39885
Tank Name: 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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

INTERFOR PACIFIC INC (Continued)

U001122422

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

VCP:

edr_fstat: WA
edr_fzip: 98270-5160
edr_fcnty: SNOHOMISH
edr_zip: 98270-5160
Facility ID: 85223839
VCP Status: VCP
VCP: Not reported
Ecology Status: RA in Progress
NFA Type: RA in Progress
Date NFA: RA in Progress
Rank: RA in Progress

edr_fstat: WA
edr_fzip: 98270-5160
edr_fcnty: SNOHOMISH
edr_zip: 98270-5160
Facility ID: 85223839
VCP Status: VCP
VCP: Not reported
Ecology Status: RA in Progress
NFA Type: RA in Progress
Date NFA: RA in Progress
Rank: RA in Progress

5
NW
1/8-1/4
0.132 mi.
698 ft.

WELCO LUMBER CO
1218 1ST ST
MARYSVILLE, WA 98270

Relative:
Higher

Actual:
15 ft.

FTTS INSP:
Inspection Number: 19911231WA003 1
Region: 10
Inspection Date: 12/31/91

FTTS 1004613878
HIST FTTS N/A
FINDS
ALLSITES
UST
NPDES

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WELCO LUMBER CO (Continued)

1004613878

Inspector: MAULE
Violation occurred: No
Investigation Type: Section 6 PCB State Conducted
Investigation Reason: Neutral Scheme, Region
Legislation Code: TSCA
Facility Function: User

HIST FTTS INSP:

Inspection Number: 19911231WA003 1
Region: 10
Inspection Date: Not reported
Inspector: MAULE
Violation occurred: No
Investigation Type: Section 6 PCB State Conducted
Investigation Reason: Neutral Scheme, Region
Legislation Code: TSCA
Facility Function: User

FINDS:

Registry ID: 110011631369

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.

ALLSITES:

Facility Id: 92891669
Latitude: 48.048709000000002
Longitude: -122.183268
Geographic location identifier (alias facid): 92891669
Facility Name: WELCO LUMBER CO
Latitude Decimal Degrees: 48.048709000000002
Longitude Decimal Degrees: -122.183268
Coordinate Point Areal Extent Code: 4
Horizontal Accuracy Code: 6
Coordinate Point Geographic Position Code: 5
Location Verified Code: N

Geographic Location Identifier (Alias Facid): 92891669
Interaction (Aka Env Int) Type Code: UST
Interaction (Aka Env Int) Description: Underground Storage Tank
Interaction Status: I

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WELCO LUMBER CO (Continued)

1004613878

Federal Program Identifier: 4924
Interaction Start Date: 6/8/1998
Interaction End Date: 5/3/2000

Geographic Location Identifier (Alias Facid): 92891669
Interaction (Aka Env Int) Type Code: INDUSTGP
Interaction (Aka Env Int) Description: Industrial SW GP
Interaction Status: A
Federal Program Identifier: WAR001165
Interaction Start Date: 4/7/1993
Interaction End Date: Not reported

UST:

Facility ID: 92891669
Site ID: 4924
Lat Deg: 48
Lat Min: 2
Lat Sec: 55.3524000000084
Long Deg: -122
Long Min: 10
Long Sec: 59.7647999999936
UBI: Not reported
Phone Number: 2066591261

Tank ID: 11228
Tank Name: 1
Install Date: 12/31/1964
Capacity: 111 TO 1,100 Gallons
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: Not reported
Pipe Construction: Above Ground Piping
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

NPDES:

Facility Type: Stormwater Industrial
Latitude: 48.04889

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WELCO LUMBER CO (Continued)

1004613878

Longitude: 122.18056
Contact Name: Greg Baker
Contact Phone Number: 360.651.1512
Permit ID: WAR001165E
Permit Issue Date: 10/21/2009
Facility Size: General Permits
Ecology Contact: Jeff Killelea
WRIA: Snohomish
Permit Expiration Date: 1/1/2015
Effective Date: 1/1/2010

**B6
ENE
1/8-1/4
0.136 mi.
720 ft.**

**BIG O TIRES 4 LESS MARYSVILLE
70 C STATE AVE
MARYSVILLE, WA 98270**

**RCRA-CESQG
FINDS
ALLSITES**

**1000891982
WA0000258681**

Site 2 of 3 in cluster B

**Relative:
Higher**

RCRA-CESQG:

Date form received by agency: 03/18/2005

**Actual:
14 ft.**

Facility name: BIG O TIRES 4 LESS MARYSVILLE
Facility address: 70 C STATE AVE
MARYSVILLE, WA 982705160

EPA ID: WA0000258681
Mailing address: 220 8TH ST SE
AUBURN, WA 98002

Contact: CALVIN MEADOWS
Contact address: 220 8TH ST SE
AUBURN, WA 98002

Contact country: US
Contact telephone: (360)659-4946
Contact email: Not reported
EPA Region: 10

Land type: Private
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: BIG O TIRES 4 LESS
Owner/operator address: 220 8TH ST SE
AUBURN, WA 98002

Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BIG O TIRES 4 LESS MARYSVILLE (Continued)

1000891982

Owner/Op start date: 08/30/1996
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
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: 12/31/2003
Facility name: BIG O TIRES 4 LESS MARYSVILLE
Classification: Not a generator, verified

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 12/12/1996
Evaluation: COMPLIANCE ASSISTANCE VISIT
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110005304731

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 corrective action activities required under RCRA.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BIG O TIRES 4 LESS MARYSVILLE (Continued)

1000891982

ALLSITES:

Facility Id: 12363544
Latitude: 48.053649999999998
Longitude: -122.17828
Geographic location identifier (alias facid): 12363544
Facility Name: Big O Tires 4 Less Marysville
Latitude Decimal Degrees: 48.053649999999998
Longitude Decimal Degrees: -122.17828
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): 12363544
Interaction (Aka Env Int) Type Code: HWG
Interaction (Aka Env Int) Description: Hazardous Waste Generator
Interaction Status: I
Federal Program Identifier: WA0000258681
Interaction Start Date: 5/2/1994
Interaction End Date: 12/31/2004

**B7
ENE
1/8-1/4
0.138 mi.
727 ft.**

**FIRST STOP DELI TEXACO
70 STATE ST
MARYSVILLE, WA 98270**

**FINDS 1007072315
ALLSITES N/A
UST**

Site 3 of 3 in cluster B

**Relative:
Higher**

FINDS:

Registry ID: 110015489390

**Actual:
14 ft.**

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.

ALLSITES:

Facility Id: 34384827
Latitude: 48.048979000000003
Longitude: -122.178166
Geographic location identifier (alias facid): 34384827
Facility Name: FIRST STOP DELI TEXACO
Latitude Decimal Degrees: 48.048979000000003
Longitude Decimal Degrees: -122.178166
Coordinate Point Areal Extent Code: 4
Horizontal Accuracy Code: 6
Coordinate Point Geographic Position Code: 5
Location Verified Code: N

Geographic Location Identifier (Alias Facid): 34384827
Interaction (Aka Env Int) Type Code: LUST
Interaction (Aka Env Int) Description: LUST Facility

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FIRST STOP DELI TEXACO (Continued)

1007072315

Interaction Status: I
Federal Program Identifier: 6253
Interaction Start Date: 7/17/1996
Interaction End Date: 9/15/2004

Geographic Location Identifier (Alias Facid): 34384827
Interaction (Aka Env Int) Type Code: UST
Interaction (Aka Env Int) Description: Underground Storage Tank
Interaction Status: A
Federal Program Identifier: 6253
Interaction Start Date: 5/15/1981
Interaction End Date: Not reported

UST:

Facility ID: 34384827
Site ID: 6253
Lat Deg: 48
Lat Min: 2
Lat Sec: 56.32440000001
Long Deg: -122
Long Min: 10
Long Sec: 41.3976000000162
UBI: 6006269520010004
Phone Number: 3606591044

Tank ID: 26523
Tank Name: 1308-4
Install Date: 5/15/1981
Capacity: 10,000 to 19,999 Gallons
Tank Upgrade Date: 3/27/1998
Tank System Status: Operational
Tank System Status Change Date: 8/26/1996
Tank Status: Operational
Tank Permit Expiration Date: 5/31/2011
Tank Closure Date: 1/1/0001
Tank Pumping System: Pressurized System
Tank Spill Prevention: Spill Bucket/Spill Box
Tank Overfill Prevention: Automatic Shutoff (fill pipe)
Tank Material: Steel
Tank Construction: Single Wall Tank
Tank Tightness Test: Annual
Tank Corrosion Protection: Interior Lining
Pipe Material: Fiberglass
Pipe Construction: Double Wall Pipe
Pipe Primary Release Detection: Automatic Line Leak Detection
Pipe Second Release Detection: Not reported
Pipe Corrosion Protection: Corrosion Resistant
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: A3179

Tank ID: 26669
Tank Name: 1308-2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FIRST STOP DELI TEXACO (Continued)

1007072315

Install Date: 5/15/1981
Capacity: 10,000 to 19,999 Gallons
Tank Upgrade Date: 3/27/1998
TankSystem Status: Operational
TankSystem Status Change Date: 8/26/1996
Tank Status: Operational
Tank Permit Expiration Date: 5/31/2011
Tank Closure Date: 1/1/0001
Tank Pumping System: Pressurized System
Tank Spill Prevention: Spill Bucket/Spill Box
Tank Overfill Prevention: Automatic Shutoff (fill pipe)
Tank Material: Steel
Tank Construction: Single Wall Tank
Tank Tightness Test: Annual
Tank Corrosion Protection: Impressed Current and Interior Lining
Pipe Material: Fiberglass
Pipe Construction: Double Wall Pipe
Pipe Primary Release Detection: Automatic Line Leak Detection
Pipe Second Release Detection: Not reported
Pipe Corrosion Protection: Corrosion Resistant
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: A3179

Tank ID: 26715
Tank Name: 1308-1
Install Date: 5/15/1981
Capacity: 10,000 to 19,999 Gallons
Tank Upgrade Date: 3/27/1998
TankSystem Status: Operational
TankSystem Status Change Date: 8/26/1996
Tank Status: Operational
Tank Permit Expiration Date: 5/31/2011
Tank Closure Date: 1/1/0001
Tank Pumping System: Pressurized System
Tank Spill Prevention: Spill Bucket/Spill Box
Tank Overfill Prevention: Automatic Shutoff (fill pipe)
Tank Material: Steel
Tank Construction: Single Wall Tank
Tank Tightness Test: Annual
Tank Corrosion Protection: Impressed Current and Interior Lining
Pipe Material: Fiberglass
Pipe Construction: Double Wall Pipe
Pipe Primary Release Detection: Automatic Line Leak Detection
Pipe Second Release Detection: Not reported
Pipe Corrosion Protection: Corrosion Resistant
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: A3179

Tank ID: 26806

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FIRST STOP DELI TEXACO (Continued)

1007072315

Tank Name: 1308-3
Install Date: 5/15/1981
Capacity: 10,000 to 19,999 Gallons
Tank Upgrade Date: 3/27/1998
Tank System Status: Operational
Tank System Status Change Date: 8/26/1996
Tank Status: Operational
Tank Permit Expiration Date: 5/31/2011
Tank Closure Date: 1/1/0001
Tank Pumping System: Pressurized System
Tank Spill Prevention: Spill Bucket/Spill Box
Tank Overfill Prevention: Automatic Shutoff (fill pipe)
Tank Material: Steel
Tank Construction: Single Wall Tank
Tank Tightness Test: Annual
Tank Corrosion Protection: Impressed Current and Interior Lining
Pipe Material: Fiberglass
Pipe Construction: Double Wall Pipe
Pipe Primary Release Detection: Automatic Line Leak Detection
Pipe Second Release Detection: Not reported
Pipe Corrosion Protection: Corrosion Resistant
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: A3179

8
ENE
1/8-1/4
0.152 mi.
804 ft.

OLYMPIC BOAT CO INC MARYSVILLE
4 STATE ST
MARYSVILLE, WA 98270

RCRA-CESQG 1001490294
FINDS WAD055489769
ALLSITES

Relative:
Higher

RCRA-CESQG:

Actual:
15 ft.

Date form received by agency: 11/04/1994
Facility name: OLYMPIC BOAT CO INC MARYSVILLE
Facility address: 4 STATE ST
MARYSVILLE, WA 98270
EPA ID: WAD055489769
Mailing address: 4 STATE AVE
MARYSVILLE, WA 98270-5160
Contact: Not reported
Contact address: 4 STATE AVE
MARYSVILLE, WA 98270-5160
Contact country: US
Contact telephone: (000)000-0000
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OLYMPIC BOAT CO INC MARYSVILLE (Continued)

1001490294

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

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

Violation Status: No violations found

FINDS:

Registry ID: 110005322560

Environmental Interest/Information System

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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.

ALLSITES:

Facility Id: 25444912
Latitude: 48.051819999999999
Longitude: -122.17856
Geographic location identifier (alias facid): 25444912
Facility Name: Olympic Boat Co Inc Marysville
Latitude Decimal Degrees: 48.051819999999999
Longitude Decimal Degrees: -122.17856
Coordinate Point Areal Extent Code: 99
Horizontal Accuracy Code: 99
Coordinate Point Geographic Position Code: 99

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OLYMPIC BOAT CO INC MARYSVILLE (Continued)

1001490294

Location Verified Code: N
Geographic Location Identifier (Alias Facid): 25444912
Interaction (Aka Env Int) Type Code: HWP
Interaction (Aka Env Int) Description: Hazardous Waste Planner
Interaction Status: I
Federal Program Identifier: WAD055489769
Interaction Start Date: 1/1/1991
Interaction End Date: 12/31/1991

Geographic Location Identifier (Alias Facid): 25444912
Interaction (Aka Env Int) Type Code: HWG
Interaction (Aka Env Int) Description: Hazardous Waste Generator
Interaction Status: I
Federal Program Identifier: WAD055489769
Interaction Start Date: 11/4/1994
Interaction End Date: 12/31/1994

9
North
1/8-1/4
0.194 mi.
1025 ft.

TOWNE CENTER MALL
3RD & DELTA
MARYSVILLE, WA 98270

ALLSITES **U000593900**
UST **N/A**

Relative:
Higher

Actual:
22 ft.

ALLSITES:
Facility Id: 1261246
Latitude: 48.050479000000003
Longitude: -122.179998
Geographic location identifier (alias facid): 1261246
Facility Name: TOWNE CENTER MALL
Latitude Decimal Degrees: 48.050479000000003
Longitude Decimal Degrees: -122.179998
Coordinate Point Areal Extent Code: 4
Horizontal Accuracy Code: 7
Coordinate Point Geographic Position Code: 5
Location Verified Code: N

Geographic Location Identifier (Alias Facid): 1261246
Interaction (Aka Env Int) Type Code: UST
Interaction (Aka Env Int) Description: Underground Storage Tank
Interaction Status: I
Federal Program Identifier: 9696
Interaction Start Date: 6/8/1998
Interaction End Date: 5/3/2000

UST:
Facility ID: 1261246
Site ID: 9696
Lat Deg: 48
Lat Min: 3
Lat Sec: 1.72440000001018
Long Deg: -122
Long Min: 10
Long Sec: 47.9927999999916
UBI: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TOWNE CENTER MALL (Continued)

U000593900

Phone Number: 2066592777
Tank ID: 34132
Tank Name: 2
Install Date: 12/31/1964
Capacity: 111 TO 1,100 Gallons
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: Not reported
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

Tank ID: 34240
Tank Name: 1
Install Date: 12/31/1964
Capacity: 111 TO 1,100 Gallons
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: Not reported
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

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

TOWNE CENTER MALL (Continued)

U000593900

Tag Number: Not reported

Tank ID: 34387
 Tank Name: 3
 Install Date: 12/31/1964
 Capacity: 111 TO 1,100 Gallons
 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: Not reported
 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

10
 North
 1/8-1/4
 0.217 mi.
 1144 ft.

MALL UST 9697
307 DELTA AVE
MARYSVILLE, WA 98270

ALLSITES U001126009
UST N/A

Relative:
 Higher
 Actual:
 22 ft.

ALLSITES:
 Facility Id: 33761141
 Latitude: 48.048819000000002
 Longitude: -122.17997
 Geographic location identifier (alias facid): 33761141
 Facility Name: MALL UST 9697
 Latitude Decimal Degrees: 48.048819000000002
 Longitude Decimal Degrees: -122.17997
 Coordinate Point Areal Extent Code: 4
 Horizontal Accuracy Code: 13
 Coordinate Point Geographic Position Code: 5
 Location Verified Code: N

Geographic Location Identifier (Alias Facid): 33761141
 Interaction (Aka Env Int) Type Code: UST
 Interaction (Aka Env Int) Description: Underground Storage Tank
 Interaction Status: I
 Federal Program Identifier: 9697
 Interaction Start Date: 6/8/1998
 Interaction End Date: 5/3/2000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MALL UST 9697 (Continued)

U001126009

UST:

Facility ID: 33761141
Site ID: 9697
Lat Deg: 48
Lat Min: 2
Lat Sec: 55.7484000000062
Long Deg: -122
Long Min: 10
Long Sec: 47.8919999999903
UBI: Not reported
Phone Number: 2066592892

Tank ID: 25760
Tank Name: 2
Install Date: 12/31/1964
Capacity: 111 TO 1,100 Gallons
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

Tank ID: 25916
Tank Name: 3
Install Date: 12/31/1964
Capacity: 111 TO 1,100 Gallons
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MALL UST 9697 (Continued)

U001126009

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

Tank ID: 25982
Tank Name: 1
Install Date: 12/31/1964
Capacity: 111 TO 1,100 Gallons
Tank Upgrade Date: 1/1/0001
Tank System Status: Removed
Tank System 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

11
NNE
1/8-1/4
0.217 mi.
1146 ft.

RITE AID 5243
251 MARYSVILLE MALL
MARYSVILLE, WA 98270

RCRA-CESQG 1001600489
FINDS WAH000008797
ALLSITES
MANIFEST

Relative:
Higher

RCRA-CESQG:
Date form received by agency: 05/28/2008
Facility name: RITE AID 5243
Facility address: 251 MARYSVILLE MALL
MARYSVILLE, WA 98270
EPA ID: WAH000008797
Mailing address: C/O PSC-NBC
5151 SAN FELIPE, SUITE 1600
HOUSTON, TX 77056
Contact: STORE MANAGER
Contact address: C/O PSC-NBC 5151 SAN FELIPE, SUITE 1600

Actual:
19 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RITE AID 5243 (Continued)

1001600489

HOUSTON, TX 77056
Contact country: US
Contact telephone: (360)659-0492
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: RITE AID 5243
Owner/operator address: C/O PSC-NBC 5151 SAN FELIPE, SUITE 1600
HOUSTON, TX 77056
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 06/18/1999
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
Used 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: RITE AID 5243
Classification: Not a generator, verified

Date form received by agency: 12/31/2005

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RITE AID 5243 (Continued)

1001600489

Facility name: RITE AID 5243
Classification: Small Quantity Generator

Date form received by agency: 12/31/2003
Facility name: RITE AID 5243
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110005395599

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 corrective action activities required under RCRA.

ALLSITES:

Facility Id: 8957226
Latitude: 48.0313098681507
Longitude: -122.105994829883
Geographic location identifier (alias facid): 8957226
Facility Name: Rite Aid 5243
Latitude Decimal Degrees: 48.03130986
Longitude Decimal Degrees: -122.10599482000001
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): 8957226
Interaction (Aka Env Int) Type Code: HWOTHER
Interaction (Aka Env Int) Description: Haz Waste Management Activity
Interaction Status: A
Federal Program Identifier: WAH000008797
Interaction Start Date: 12/31/2009
Interaction End Date: Not reported

Geographic Location Identifier (Alias Facid): 8957226
Interaction (Aka Env Int) Type Code: HWG
Interaction (Aka Env Int) Description: Hazardous Waste Generator
Interaction Status: I
Federal Program Identifier: WAH000008797
Interaction Start Date: 6/18/1999
Interaction End Date: 12/31/2009

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RITE AID 5243 (Continued)

1001600489

WA MANIFEST:

Facility Site ID Number: 8957226
SWC Desc: Not reported
FWC Desc: D011
Form Comm: D011 - Spent photographic solutions containing silver treated on-site with silver recovery system
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: WAH000008797
Facility Address 2: Not reported
TAX REG NBR: 601637571
NAICS CD: 812922
BUSINESS TYPE: Not reported
MAIL NAME: Rite Aid 5243
MAIL ADDR LINE1: c/o Qualex Inc
MAIL ADDR LINE2: 4020 Stirrup Creek Drive Suite 100
MAIL CITY,ST,ZIP: Durham, NC 27703
MAIL COUNTRY: UNITED STATES
LEGAL ORG NAME: Rite Aid Corp
LEGAL ORG TYPE: Private
LEGAL ADDR LINE1: PO Box 3165
LEGAL CITY,ST,ZIP: Harrisburg, PA 17105
LEGAL COUNTRY: UNITED STATES
LEGAL PHONE NBR: (717)761-2633 x5569
LEGAL EFFECTIVE DATE: 6/18/1999
LAND ORG NAME: New Valley Realty
LAND ORG TYPE: Private
LAND PERSON NAME: Not reported
LAND ADDR LINE1: 590 Madison Ave
LAND ADDR LINE2: 33rd Fir
LAND CITY,ST,ZIP: New York, NY 10022
LAND COUNTRY: UNITED STATES
LAND PHONE NBR: (717)761-2633 x5569

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RITE AID 5243 (Continued)

1001600489

OPERATOR ORG NAME: Rite Aid 5243
OPERATOR ORG TYPE: Private
OPERATOR ADDR LINE1: 251 Marysville Mall
OPERATOR CITY,ST,ZIP: Marysville, WA 98270
OPERATOR COUNTRY: UNITED STATES
OPERATOR PHONE NBR: (360)659-0492
OPERATOR EFFECTIVE DATE: 6/18/1999
SITE CONTACT NAME: Store Manager
SITE CONTACT ADDR LINE1: 251 Marysville Mall
SITE CONTACT ZIP: Marysville, WA 98270
SITE CONTACT COUNTRY: UNITED STATES
SITE CONTACT PHONE NBR: (360)659-0492
SITE CONTACT EMAIL: Not reported
FORM CONTACT NAME: Darrell Bradfield
FORM CONTACT ADDR LINE1: 4020 Stirrup Creek Drive Suite 100
FORM CONTACT CITY,ST,ZIP: Durham, NC 27703
FORM CONTACT COUNTRY: UNITED STATES
FORM CONTACT PHONE NBR: (919)484-3656
FORM CONTACT EMAIL: darrell.bradfield@kodak.com
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: 8957226
SWC Desc: Not reported
FWC Desc: Not reported
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 deferral: False
Universal waste - batteries - generate: False
Universal waste - thermostats - generate: False
Universal waste - mercury - generate: False

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RITE AID 5243 (Continued)

1001600489

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: WAH000008797
Facility Address 2: Not reported
TAX REG NBR: 601637571
NAICS CD: 812922
BUSINESS TYPE: Not reported
MAIL NAME: Rite Aid 5243
MAIL ADDR LINE1: C/O PSC-NBC
MAIL ADDR LINE2: 5151 San Felipe, Suite 1600
MAIL CITY,ST,ZIP: Houston, TX 77056
MAIL COUNTRY: UNITED STATES
LEGAL ORG NAME: Rite Aid Corp
LEGAL ORG TYPE: Private
LEGAL ADDR LINE1: PO Box 3165
LEGAL CITY,ST,ZIP: Harrisburg, PA 17105
LEGAL COUNTRY: UNITED STATES
LEGAL PHONE NBR: (717)761-2633 x5569
LEGAL EFFECTIVE DATE: 6/18/1999
LAND ORG NAME: New Valley Realty
LAND ORG TYPE: Private
LAND PERSON NAME: Not reported
LAND ADDR LINE1: 590 Madison Ave
LAND ADDR LINE2: 33rd Flr
LAND CITY,ST,ZIP: New York, NY 10022
LAND COUNTRY: UNITED STATES
LAND PHONE NBR: (717)761-2633 x5569
OPERATOR ORG NAME: Rite Aid 5243
OPERATOR ORG TYPE: Private
OPERATOR ADDR LINE1: 251 Marysville Mall
OPERATOR CITY,ST,ZIP: Marysville, WA 98270
OPERATOR COUNTRY: UNITED STATES
OPERATOR PHONE NBR: (360)659-0492
OPERATOR EFFECTIVE DATE: 6/18/1999
SITE CONTACT NAME: JORGE GOMEZ
SITE CONTACT ADDR LINE1: 5151 SAN FELIPE ST, SUITE 1600
SITE CONTACT ZIP: HOUSTON, TX 77056
SITE CONTACT COUNTRY: UNITED STATES
SITE CONTACT PHONE NBR: 713-625-7015
SITE CONTACT EMAIL: JGOMEZ2@PSCNOW.COM
FORM CONTACT NAME: JORGE GOMEZ
FORM CONTACT ADDR LINE1: 5151 SAN FELIPE ST, SUITE 1600
FORM CONTACT CITY,ST,ZIP: HOUSTON, TX 77056
FORM CONTACT COUNTRY: UNITED STATES
FORM CONTACT PHONE NBR: 713-625-7015
FORM CONTACT EMAIL: JGOMEZ2@PSCNOW.COM
GEN STATUS CD: XQG
MONTHLY GENERATION: False
BATCH GENERATION: False
ONE TIME GENERATION: False

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RITE AID 5243 (Continued)

1001600489

TRANSPORTS OWN WASTE: False
TRANSPORTS OTHERS 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: 8957226
SWC Desc: Not reported
FWC Desc: D011
Form Comm: D011 - Spent photographic solutions containing silver treated on-site with silver recovery system

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: WAH000008797
Facility Address 2: Not reported
TAX REG NBR: 601637571
NAICS CD: 812922
BUSINESS TYPE: Not reported
MAIL NAME: Not reported
MAIL ADDR LINE1: 4020 STIRRUP CREEK DR STE 100
MAIL CITY,ST,ZIP: DURHAM, NC 27703
MAIL COUNTRY: UNITED STATES
LEGAL ORG NAME: Rite Aid Corp
LEGAL ORG TYPE: Private
LEGAL ADDR LINE1: PO Box 3165
LEGAL CITY,ST,ZIP: HARRISBURG, PA 17105

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RITE AID 5243 (Continued)

1001600489

LEGAL COUNTRY: UNITED STATES
LEGAL PHONE NBR: (717)761-2633
LEGAL EFFECTIVE DATE: 6/18/1999
LAND ORG NAME: New Valley Realty
LAND ORG TYPE: Private
LAND PERSON NAME: Not reported
LAND ADDR LINE1: 590 Madison Ave
LAND ADDR LINE2: 33rd Flr
LAND CITY,ST,ZIP: NEW YORK, NY 10022
LAND COUNTRY: UNITED STATES
LAND PHONE NBR: (717)761-2633
OPERATOR ORG NAME: Rite Aid 5243
OPERATOR ORG TYPE: Private
OPERATOR ADDR LINE1: 251 Marysville Mall
OPERATOR CITY,ST,ZIP: MARYSVILLE, WA 98270
OPERATOR COUNTRY: UNITED STATES
OPERATOR PHONE NBR: (360)659-2450
OPERATOR EFFECTIVE DATE: 6/18/1999
SITE CONTACT NAME: Fred Thiel
SITE CONTACT ADDR LINE1: 251 Marysville Mall
SITE CONTACT ZIP: MARYSVILLE, WA 98270
SITE CONTACT COUNTRY: UNITED STATES
SITE CONTACT PHONE NBR: (360)659-2450
SITE CONTACT EMAIL: Not reported
FORM CONTACT NAME: Kenneth McKeveny
FORM CONTACT ADDR LINE1: 4020 STIRRUP CREEK DR STE 100
FORM CONTACT CITY,ST,ZIP: DURHAM, NC 27703
FORM CONTACT COUNTRY: UNITED STATES
FORM CONTACT PHONE NBR: (919)484-3647
FORM CONTACT EMAIL: kenneth.mckeveny@kodak.com
GEN STATUS CD: MQG
MONTHLY GENERATION: No
BATCH GENERATION: No
ONE TIME GENERATION: No
TRANSPORTS OWN WASTE: No
TRANSPORTS OTHERS 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: 8957226
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RITE AID 5243 (Continued)

1001600489

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: WAH000008797
Facility Address 2: Not reported
TAX REG NBR: 601637571
NAICS CD: 812922
BUSINESS TYPE: Not reported
MAIL NAME: Rite Aid 5243
MAIL ADDR LINE1: C/O PSC-NBC
MAIL ADDR LINE2: 5151 San Felipe, Suite 1600
MAIL CITY,ST,ZIP: Houston, TX 77056
MAIL COUNTRY: UNITED STATES
LEGAL ORG NAME: Rite Aid Corp
LEGAL ORG TYPE: Private
LEGAL ADDR LINE1: PO Box 3165
LEGAL CITY,ST,ZIP: Harrisburg, PA 17105
LEGAL COUNTRY: UNITED STATES
LEGAL PHONE NBR: (717)761-2633 x5569
LEGAL EFFECTIVE DATE: 6/18/1999
LAND ORG NAME: New Valley Realty
LAND ORG TYPE: Private
LAND PERSON NAME: Not reported
LAND ADDR LINE1: 590 Madison Ave
LAND ADDR LINE2: 33rd Flr
LAND CITY,ST,ZIP: New York, NY 10022
LAND COUNTRY: UNITED STATES
LAND PHONE NBR: (717)761-2633 x5569
OPERATOR ORG NAME: Rite Aid 5243
OPERATOR ORG TYPE: Private
OPERATOR ADDR LINE1: 251 Marysville Mall
OPERATOR CITY,ST,ZIP: Marysville, WA 98270
OPERATOR COUNTRY: UNITED STATES
OPERATOR PHONE NBR: (360)659-0492
OPERATOR EFFECTIVE DATE: 6/18/1999
SITE CONTACT NAME: Store Manager
SITE CONTACT ADDR LINE1: 251 Marysville Mall
SITE CONTACT ZIP: Marysville, WA 98270
SITE CONTACT COUNTRY: UNITED STATES
SITE CONTACT PHONE NBR: (360)659-0492

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

RITE AID 5243 (Continued)

1001600489

SITE CONTACT EMAIL: Not reported
FORM CONTACT NAME: Jorge Gomez
FORM CONTACT ADDR LINE1: 5151 San Felipe, Suite 1600
FORM CONTACT CITY,ST,ZIP: Houston, TX 77056
FORM CONTACT COUNTRY: UNITED STATES
FORM CONTACT PHONE NBR: (713)625-7015
FORM CONTACT EMAIL: jgomez2@pscnow.com
GEN STATUS CD: SQG
MONTHLY GENERATION: False
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

C12
ENE
1/8-1/4
0.225 mi.
1191 ft.

**MARYSVILLE CITY SEWER TRMT LAB
2 COLUMBIA AVE
MARYSVILLE, WA 98270**

**FINDS 1007072528
ALLSITES N/A**

Relative:
Higher

FINDS:

Registry ID: 110015491555

Actual:
16 ft.

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.

ALLSITES:

Facility Id: 33264674
Latitude: 48.048528186917501
Longitude: -122.178051389149
Geographic location identifier (alias facid): 33264674
Facility Name: MARYSVILLE CITY SEWER TRMT LAB
Latitude Decimal Degrees: 48.048528179999998
Longitude Decimal Degrees: -122.17805138
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): 33264674

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARYSVILLE CITY SEWER TRMT LAB (Continued)

1007072528

Interaction (Aka Env Int) Type Code: TIER2
Interaction (Aka Env Int) Description: Emergency/Haz Chem Rpt TIER2
Interaction Status: A
Federal Program Identifier: CRK000003590
Interaction Start Date: 1/1/1990
Interaction End Date: Not reported

C13
ENE
1/8-1/4
0.227 mi.
1199 ft.

MARYSVILLE WWTP
20 COLUMBIA AVE
MARYSVILLE, WA 98270

ALLSITES S110124677
NPDES N/A

Site 2 of 2 in cluster C

Relative:
Higher

ALLSITES:

Facility Id: 13250
Latitude: 48.049158290000001
Longitude: -122.175185316
Geographic location identifier (alias facid): 13250
Facility Name: MARYSVILLE WWTP
Latitude Decimal Degrees: 48.049158290000001
Longitude Decimal Degrees: -122.17518531
Coordinate Point Areal Extent Code: 0
Horizontal Accuracy Code: 99
Coordinate Point Geographic Position Code: 0
Location Verified Code: Not reported

Actual:
16 ft.

Geographic Location Identifier (Alias Facid): 13250
Interaction (Aka Env Int) Type Code: BIOSOLID
Interaction (Aka Env Int) Description: Biosolids
Interaction Status: A
Federal Program Identifier: Not reported
Interaction Start Date: 1/1/1900
Interaction End Date: Not reported

NPDES:

Facility Type: Municipal
Latitude: 48.042500000000004
Longitude: 122.17222
Contact Name: Doug Byde
Contact Phone Number: 360.363.8125
Permit ID: WA0022497D
Permit Issue Date: 7/1/2005
Facility Size: Minor
Ecology Contact: Laura Fricke
WRIA: Snohomish
Permit Expiration Date: 6/30/2010
Effective Date: 7/1/2005

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

14
NNW
1/8-1/4
0.233 mi.
1231 ft.

OLYMPIC AUTO ELECTRIC
1215 3RD ST
MARYSVILLE, WA 98270

RCRA-CESQG
FINDS
ALLSITES

1001490948
WAD988517454

Relative:
Higher

RCRA-CESQG:

Date form received by agency: 05/24/1996

Facility name: OLYMPIC AUTO ELECTRIC

Facility address: 1215 3RD ST
MARYSVILLE, WA 982704910

EPA ID: WAD988517454

Contact: DONALD SUTHERLAND

Contact address: 1215 3RD ST
MARYSVILLE, WA 98270-4910

Contact country: US

Contact telephone: (360)653-2182

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: DONALD SUTHERLAND
Owner/operator address: 1215 3RD ST
MARYSVILLE, WA 98270

Owner/operator country: US

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 05/24/1996

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

OLYMPIC AUTO ELECTRIC (Continued)

1001490948

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

Violation Status: No violations found

FINDS:

Registry ID: 110005383860

Environmental Interest/Information System

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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.

ALLSITES:

Facility Id: 5624486
Latitude: 48.050690000000003
Longitude: -122.18198
Geographic location identifier (alias facid): 5624486
Facility Name: Olympic Auto Electric
Latitude Decimal Degrees: 48.050690000000003
Longitude Decimal Degrees: -122.18198
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): 5624486
Interaction (Aka Env Int) Type Code: HWG
Interaction (Aka Env Int) Description: Hazardous Waste Generator
Interaction Status: I
Federal Program Identifier: WAD988517454
Interaction Start Date: 2/1/1993
Interaction End Date: 12/31/1994

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance		Database(s)	
Elevation	Site		

D15 **MARYSVILLE CITY OF** **ALLSITES** **S110039887**
ENE **80 COLUMBIA AVE** **N/A**
1/8-1/4 **MARYSVILLE, WA 98270**
0.235 mi.
1241 ft. **Site 1 of 2 in cluster D**

Relative: **ALLSITES:**
Higher Facility Id: 5695
 Latitude: 48.047800000000002
Actual: Longitude: -122.175
18 ft. Geographic location identifier (alias facid): 5695
 Facility Name: MARYSVILLE CITY OF
 Latitude Decimal Degrees: 48.047800000000002
 Longitude Decimal Degrees: -122.175
 Coordinate Point Areal Extent Code: 0
 Horizontal Accuracy Code: 99
 Coordinate Point Geographic Position Code: 0
 Location Verified Code: Not reported

 Geographic Location Identifier (Alias Facid): 5695
 Interaction (Aka Env Int) Type Code: MS4P2WES
 Interaction (Aka Env Int) Description: Municipal SW Phase II Western
 Interaction Status: A
 Federal Program Identifier: WAR045526
 Interaction Start Date: 2/16/2007
 Interaction End Date: Not reported

D16 **MARYSVILLE CITY PUPLIC WORKS** **RCRA-NonGen** **1005906293**
ENE **80 COLUMBIA AVE** **FINDS** **WAH000018812**
1/8-1/4 **MARYSVILLE, WA 98270** **ALLSITES**
0.235 mi. **UST**
1241 ft. **Site 2 of 2 in cluster D**

Relative: **RCRA-NonGen:**
Higher Date form received by agency: 06/18/2004
 Facility name: MARYSVILLE CITY PUPLIC WORKS
Actual: Facility address: 80 COLUMBIA AVE
18 ft. MARYSVILLE, WA 98270
 EPA ID: WAH000018812
 Contact: BILL SPIES
 Contact address: 80 COLUMBIA AVE
 MARYSVILLE, WA 98270
 Contact country: US
 Contact telephone: (360)651-5176
 Contact email: Not reported
 EPA Region: 10
 Classification: Non-Generator
 Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
 Owner/operator name: BILL SPIES
 Owner/operator address: 80 COLUMBIA AVE
 MARYSVILLE, WA 98270
 Owner/operator country: US
 Owner/operator telephone: Not reported
 Legal status: Municipal
 Owner/Operator Type: Operator
 Owner/Op start date: 07/22/2002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARYSVILLE CITY PUPLIC WORKS (Continued)

1005906293

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

Violation Status: No violations found

FINDS:

Registry ID: 110013294498

Environmental Interest/Information System

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SDWIS [WS] (Safe Drinking Water Information System (Water System)). Water Systems can have one or more water system facilities. The water system will purchase water from several facilities. Drinking water information is stored in EPA's SDWIS, which contains information about public water systems and their violations of EPA's regulations for safe drinking water. These statutes and accompanying regulations establish maximum contaminant levels (MCL), treatment techniques, and monitoring and reporting requirements to ensure that water provided to customers is safe for human consumption.

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.

ALLSITES:

Facility Id: 35719397
Latitude: 48.042139829674099
Longitude: -122.174717997225
Geographic location identifier (alias facid): 35719397

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

MARYSVILLE CITY PULPIC WORKS (Continued)

1005906293

Facility Name: MARYSVILLE CITY PULPIC WORKS
Latitude Decimal Degrees: 48.042139820000003
Longitude Decimal Degrees: -122.17471799
Coordinate Point Areal Extent Code: 99
Horizontal Accuracy Code: 99
Coordinate Point Geographic Position Code: 99
Location Verified Code: Not reported

Geographic Location Identifier (Alias Facid): 35719397
Interaction (Aka Env Int) Type Code: UST
Interaction (Aka Env Int) Description: Underground Storage Tank
Interaction Status: I
Federal Program Identifier: 97680
Interaction Start Date: 6/8/1998
Interaction End Date: 5/3/2000

Geographic Location Identifier (Alias Facid): 35719397
Interaction (Aka Env Int) Type Code: HWG
Interaction (Aka Env Int) Description: Hazardous Waste Generator
Interaction Status: I
Federal Program Identifier: WAH000018812
Interaction Start Date: 7/22/2002
Interaction End Date: 12/31/2002

Geographic Location Identifier (Alias Facid): 35719397
Interaction (Aka Env Int) Type Code: ENFORFNL
Interaction (Aka Env Int) Description: Enforcement Final
Interaction Status: A
Federal Program Identifier: Not reported
Interaction Start Date: 10/19/2004
Interaction End Date: Not reported

Geographic Location Identifier (Alias Facid): 35719397
Interaction (Aka Env Int) Type Code: MUNIIP
Interaction (Aka Env Int) Description: Municipal IP
Interaction Status: A
Federal Program Identifier: WA0022497
Interaction Start Date: 7/11/1983
Interaction End Date: Not reported

UST:

Facility ID: 35719397
Site ID: 97680
Lat Deg: 48
Lat Min: 2
Lat Sec: 31.703386826884
Long Deg: -122
Long Min: 10
Long Sec: 28.9847900103155
UBI: Not reported
Phone Number: 2066597643

Tank ID: 5699
Tank Name: 2
Install Date: 12/31/1964
Capacity: 111 TO 1,100 Gallons

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARYSVILLE CITY PUPLIC WORKS (Continued)

1005906293

Tank Upgrade Date: 1/1/0001
TankSystem Status: Closed in Place
TankSystem Status Change Date: 8/26/1996
Tank Status: Closed in Place
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: Not reported
Tank Construction: Not reported
Tank Tightness Test: Not reported
Tank Corrosion Protection: Not reported
Pipe Material: Not reported
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

17
NE
1/4-1/2
0.259 mi.
1367 ft.

MARYSVILLE FEED & SEED CO INC
1528 3RD ST
MARYSVILLE, WA 98270

ALLSITES U001125014
UST N/A

Relative:
Higher

ALLSITES:

Facility Id: 31861554
Latitude: 48.050469
Longitude: -122.177888
Geographic location identifier (alias facid): 31861554
Facility Name: MARYSVILLE FEED & SEED CO INC
Latitude Decimal Degrees: 48.050469
Longitude Decimal Degrees: -122.177888
Coordinate Point Areal Extent Code: 4
Horizontal Accuracy Code: 6
Coordinate Point Geographic Position Code: 5
Location Verified Code: N

Actual:
20 ft.

Geographic Location Identifier (Alias Facid): 31861554
Interaction (Aka Env Int) Type Code: UST
Interaction (Aka Env Int) Description: Underground Storage Tank
Interaction Status: I
Federal Program Identifier: 7523
Interaction Start Date: 6/8/1998
Interaction End Date: 5/3/2000

UST:

Facility ID: 31861554
Site ID: 7523
Lat Deg: 48
Lat Min: 3

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MARYSVILLE FEED & SEED CO INC (Continued)

U001125014

Lat Sec: 1.68839999999875
Long Deg: -122
Long Min: 10
Long Sec: 40.3967999999985
UBI: Not reported
Phone Number: 2066591611

Tank ID: 10743
Tank Name: 1
Install Date: 12/31/1964
Capacity: 111 TO 1,100 Gallons
Tank Upgrade Date: 1/1/0001
TankSystem Status: Closed in Place
TankSystem Status Change Date: 8/26/1996
Tank Status: Closed in Place
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: Not reported
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

E18
NNW
1/4-1/2
0.291 mi.
1535 ft.

CONVENIENCE RETAILERS LLC
1221 4TH ST
MARYSVILLE, WA 98270

LUST S105767172
N/A

Site 1 of 5 in cluster E

Relative:
Higher

LUST:
edr_fstat: WA
edr_fzip: 982704916
Actual: edr_fcnty: SNOHOMISH
23 ft. edr_zip: 98270-4916
FS ID: 38342233
Facility ID: 10180
Facility Status: Cleanup Started
Release ID: 1745
Affected Media: Soil
Alternate Name: BP OIL STATION # 11263
Release Notification Date: 2/20/1990
Release Status Date: 6/1/1995
Site Response Unit Code: NORTHWEST
Lat/Long: 48.052361 / -122.181083

edr_fstat: WA

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

EDR ID Number
 EPA ID Number

Site _____ Database(s) _____

CONVENIENCE RETAILERS LLC (Continued)

S105767172

edr_fzip: 982704916
 edr_fcnty: SNOHOMISH
 edr_zip: 98270-4916
 FS ID: 38342233
 Facility ID: 10180
 Facility Status: Cleanup Started
 Release ID: 1745
 Affected Media: Ground Water
 Alternate Name: BP OIL STATION # 11263
 Release Notification Date: 2/20/1990
 Release Status Date: 6/1/1995
 Site Response Unit Code: NORTHWEST
 Lat/Long: 48.052361 / -122.181083

edr_fstat: WA
 edr_fzip: 982704916
 edr_fcnty: SNOHOMISH
 edr_zip: 98270-4916
 FS ID: 38342233
 Facility ID: 10180
 Facility Status: Reported Cleaned Up
 Release ID: 1745
 Affected Media: Soil
 Alternate Name: BP OIL STATION # 11263
 Release Notification Date: 2/20/1990
 Release Status Date: 9/28/2006
 Site Response Unit Code: NORTHWEST
 Lat/Long: 48.052361 / -122.181083

edr_fstat: WA
 edr_fzip: 982704916
 edr_fcnty: SNOHOMISH
 edr_zip: 98270-4916
 FS ID: 38342233
 Facility ID: 10180
 Facility Status: Reported Cleaned Up
 Release ID: 1745
 Affected Media: Ground Water
 Alternate Name: BP OIL STATION # 11263
 Release Notification Date: 2/20/1990
 Release Status Date: 9/28/2006
 Site Response Unit Code: NORTHWEST
 Lat/Long: 48.052361 / -122.181083

E19
NNW
1/4-1/2
0.291 mi.
1535 ft.

Relative:
Higher

CONOCOPHILLIPS 30155
1221 4TH AVE
MARYSVILLE, WA 98270

Site 2 of 5 in cluster E

RCRA-NonGen **1000659090**
FINDS **WAD988487559**
CSCSL
ALLSITES
UST
MANIFEST
ICR
VCP

Actual: **23 ft.** RCRA-NonGen:
 Date form received by agency: 02/07/2008
 Facility name: CONOCOPHILLIPS 30155
 Facility address: 1221 4TH AVE
 MARYSVILLE, WA 98270

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONOCOPHILLIPS 30155 (Continued)

1000659090

EPA ID: WAD988487559
Mailing address: 600 NORTH DAIRY ASHFORD
HOUSTON, TX 77079
Contact: TIANA ANDRIAMANARIVO
Contact address: 600 NORTH DAIRY ASHFORD
HOUSTON, TX 77079
Contact country: US
Contact telephone: (510)245-5176
Contact email: Not reported
EPA Region: 10
Land type: Private
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: KAYO OIL COMPANY
Owner/operator address: 600 NORTH DAIRY ASHFORD
HOUSTON, TX 77079
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 06/28/1996
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
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: CONOCOPHILLIPS 30155
Classification: Not a generator, verified

Date form received by agency: 12/31/2005
Facility name: CONOCOPHILLIPS 30155
Classification: Not a generator, verified

Date form received by agency: 12/31/2003
Facility name: CONOCOPHILLIPS 30155
Classification: Not a generator, verified

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONOCOPHILLIPS 30155 (Continued)

1000659090

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 06/05/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/23/1991
Evaluation: COMPLIANCE ASSISTANCE VISIT
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110005361722

Environmental Interest/Information System

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CSCSL:

Facility ID: 38342233
Facility Type: VCP
Region: Northwest
Ecology Status Code: 3
Entered Date: 4/23/2010
Updated Date: 5/5/2010
Brownfield Status: 0
Rank Status: Not reported
PSI Status: 1
Clean Method: Not reported
Drinking Water Type: Not reported
Cleanup Standard: Not reported
Acres Remediated: Not reported
Latitude: 48.052361
Longitude: -122.181083
Lat/Long: 48.052361 / -122.181083
Lat/Long (dms): 48 3 8.5 / -122 10 51.899
Media Status Desc: 4/27/2010
Affected Media: Groundwater
Affected Media Status: Confirmed
Pesticides: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONOCOPHILLIPS 30155 (Continued)

1000659090

Petroleum Products: Confirmed
Phenolic Compounds: Not reported
Reactive Wastes: Not reported
Corrosive Wastes: Not reported
Radioactive Wastes: Not reported
Asbestos: Not reported
Responsible Unit: NORTHWEST
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: Below Cleanup Level
Metals - Other non-priority pollutant medals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported
Tributyl 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: 38342233
Facility Type: VCP
Region: Northwest
Ecology Status Code: 3
Entered Date: 4/23/2010
Updated Date: 5/5/2010
Brownfield Status: 0
Rank Status: Not reported
PSI Status: 1
Clean Method: Not reported
Drinking Water Type: Not reported
Cleanup Standard: Not reported
Acres Remediated: Not reported
Latitude: 48.052361
Longitude: -122.181083
Lat/Long: 48.052361 / -122.181083
Lat/Long (dms): 48 3 8.5 / -122 10 51.899
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: Not reported
Responsible Unit: NORTHWEST
Arsenic Code: Not reported
MTBE Code: Not reported
UXO Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONOCOPHILLIPS 30155 (Continued)

1000659090

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: Below Cleanup Level
Metals - Other non-priority pollutant metals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
Polynuclear Aromatic Hydrocarbons (PAH): Not reported
Conventional Contaminants, Organic: Not reported
Conventional Contaminants, Inorganic: Not reported
Tributyl 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

ALLSITES:

Facility Id: 38342233
Latitude: 48.052360999999998
Longitude: -122.181083
Geographic location identifier (alias facid): 38342233
Facility Name: CONOCO PHILLIPS Station 11263
Latitude Decimal Degrees: 48.052360999999998
Longitude Decimal Degrees: -122.181083
Coordinate Point Areal Extent Code: 4
Horizontal Accuracy Code: 5
Coordinate Point Geographic Position Code: 5
Location Verified Code: Y

Geographic Location Identifier (Alias Facid): 38342233
Interaction (Aka Env Int) Type Code: HWOTHER
Interaction (Aka Env Int) Description: Haz Waste Management Activity
Interaction Status: I
Federal Program Identifier: WAD988487559
Interaction Start Date: 12/31/2004
Interaction End Date: 12/31/2005

Geographic Location Identifier (Alias Facid): 38342233
Interaction (Aka Env Int) Type Code: HWG
Interaction (Aka Env Int) Description: Hazardous Waste Generator
Interaction Status: I
Federal Program Identifier: WAD988487559
Interaction Start Date: 5/22/1991
Interaction End Date: 12/31/2004

Geographic Location Identifier (Alias Facid): 38342233
Interaction (Aka Env Int) Type Code: HWG
Interaction (Aka Env Int) Description: Hazardous Waste Generator
Interaction Status: I
Federal Program Identifier: WAD988487559
Interaction Start Date: 12/31/2005
Interaction End Date: 12/31/2007

Geographic Location Identifier (Alias Facid): 38342233
Interaction (Aka Env Int) Type Code: UST
Interaction (Aka Env Int) Description: Underground Storage Tank
Interaction Status: A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONOCOPHILLIPS 30155 (Continued)

1000659090

Federal Program Identifier: 10180
Interaction Start Date: 3/20/2000
Interaction End Date: Not reported

Geographic Location Identifier (Alias Facid): 38342233
Interaction (Aka Env Int) Type Code: TIER2
Interaction (Aka Env Int) Description: Emergency/Haz Chem Rpt TIER2
Interaction Status: I
Federal Program Identifier: WAD988487559
Interaction Start Date: 1/1/1989
Interaction End Date: 7/4/1776

Geographic Location Identifier (Alias Facid): 38342233
Interaction (Aka Env Int) Type Code: LUST
Interaction (Aka Env Int) Description: LUST Facility
Interaction Status: I
Federal Program Identifier: 10180
Interaction Start Date: 2/20/1990
Interaction End Date: 9/28/2006

Geographic Location Identifier (Alias Facid): 38342233
Interaction (Aka Env Int) Type Code: HWOTHER
Interaction (Aka Env Int) Description: Haz Waste Management Activity
Interaction Status: I
Federal Program Identifier: WAD988487559
Interaction Start Date: 12/31/2007
Interaction End Date: 12/31/2008

UST:

Facility ID: 38342233
Site ID: 10180
Lat Deg: 48
Lat Min: 3
Lat Sec: 8.49959999999157
Long Deg: -122
Long Min: 10
Long Sec: 51.89880000000036
UBI: 6027835240010051
Phone Number: 9258840800

Tank ID: 14595
Tank Name: 1
Install Date: 12/31/1964
Capacity: Not reported
Tank Upgrade Date: 1/1/0001
Tank System Status: Removed
Tank System 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: Fiberglass Reinforced Plastic
Tank Construction: Single Wall Tank
Tank Tightness Test: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONOCOPHILLIPS 30155 (Continued)

1000659090

Tank Corrosion Protection: Not reported
Pipe Material: Fiberglass
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: A0865

Tank ID: 14634
Tank Name: 5
Install Date: 12/31/1964
Capacity: 111 TO 1,100 Gallons
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: Single Wall Tank
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: A0865

Tank ID: 14722
Tank Name: 3
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: Single Wall Tank

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number
Database(s)

Site

CONOCOPHILLIPS 30155 (Continued)

1000659090

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: A0865

Tank ID: 14740
Tank Name: 2
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: Single Wall Tank
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: A0865

Tank ID: 14781
Tank Name: 6
Install Date: 12/31/1964
Capacity: 111 TO 1,100 Gallons
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: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONOCOPHILLIPS 30155 (Continued)

1000659090

Tank Construction: Not reported
Tank Tightness Test: Not reported
Tank Corrosion Protection: Not reported
Pipe Material: Not reported
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: A0865

Tank ID: 14875
Tank Name: 4
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: Single Wall Tank
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: A0865

Tank ID: 1511
Tank Name: UNLEAD
Install Date: 7/12/1991
Capacity: 10,000 to 19,999 Gallons
Tank Upgrade Date: 1/21/1998
TankSystem Status: Operational
TankSystem Status Change Date: 8/26/1996
Tank Status: Operational
Tank Permit Expiration Date: 7/31/2010
Tank Closure Date: 1/1/0001
Tank Pumping System: Pressurized System
Tank Spill Prevention: Spill Bucket/Spill Box
Tank Overfill Prevention: Automatic Shutoff (fill pipe)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONOCOPHILLIPS 30155 (Continued)

1000659090

Tank Material: Fiberglass Reinforced Plastic
Tank Construction: Single Wall Tank
Tank Tightness Test: Not reported
Tank Corrosion Protection: Corrosion Resistant
Pipe Material: Fiberglass
Pipe Construction: Double Wall Pipe
Pipe Primary Release Detection: Automatic Line Leak Detection
Pipe Second Release Detection: Not reported
Pipe Corrosion Protection: Corrosion Resistant
Tank Primary Release Detection: Automatic Tank Gauging
Tank Second Release Detection: Not reported
Pipe Tightness Test: Not reported
Tank Actual Status Date: 8/6/1996
Tag Number: A0865

Tank ID: 3196
Tank Name: SUPER
Install Date: 7/12/1991
Capacity: 10,000 to 19,999 Gallons
Tank Upgrade Date: 1/21/1998
TankSystem Status: Operational
TankSystem Status Change Date: 8/26/1996
Tank Status: Operational
Tank Permit Expiration Date: 7/31/2010
Tank Closure Date: 1/1/0001
Tank Pumping System: Pressurized System
Tank Spill Prevention: Spill Bucket/Spill Box
Tank Overfill Prevention: Automatic Shutoff (fill pipe)
Tank Material: Fiberglass Reinforced Plastic
Tank Construction: Single Wall Tank
Tank Tightness Test: Not reported
Tank Corrosion Protection: Corrosion Resistant
Pipe Material: Fiberglass
Pipe Construction: Double Wall Pipe
Pipe Primary Release Detection: Automatic Line Leak Detection
Pipe Second Release Detection: Not reported
Pipe Corrosion Protection: Corrosion Resistant
Tank Primary Release Detection: Automatic Tank Gauging
Tank Second Release Detection: Not reported
Pipe Tightness Test: Not reported
Tank Actual Status Date: 8/6/1996
Tag Number: A0865

Tank ID: 39376
Tank Name: REGULAR
Install Date: 7/12/1991
Capacity: 10,000 to 19,999 Gallons
Tank Upgrade Date: 1/21/1998
TankSystem Status: Operational
TankSystem Status Change Date: 8/26/1996
Tank Status: Operational
Tank Permit Expiration Date: 7/31/2010
Tank Closure Date: 1/1/0001
Tank Pumping System: Pressurized System
Tank Spill Prevention: Spill Bucket/Spill Box

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONOCOPHILLIPS 30155 (Continued)

1000659090

Tank Overfill Prevention: Automatic Shutoff (fill pipe)
Tank Material: Fiberglass Reinforced Plastic
Tank Construction: Single Wall Tank
Tank Tightness Test: Not reported
Tank Corrosion Protection: Corrosion Resistant
Pipe Material: Fiberglass
Pipe Construction: Double Wall Pipe
Pipe Primary Release Detection: Automatic Line Leak Detection
Pipe Second Release Detection: Not reported
Pipe Corrosion Protection: Corrosion Resistant
Tank Primary Release Detection: Automatic Tank Gauging
Tank Second Release Detection: Not reported
Pipe Tightness Test: Not reported
Tank Actual Status Date: 8/6/1996
Tag Number: A0865

Tank ID: 8873
Tank Name: USED OIL
Install Date: 7/12/1991
Capacity: 111 TO 1,100 Gallons
Tank Upgrade Date: 1/21/1998
Tank System Status: Operational
Tank System Status Change Date: 8/26/1996
Tank Status: Operational
Tank Permit Expiration Date: 7/31/2010
Tank Closure Date: 1/1/0001
Tank Pumping System: Product Removed by Reclaimer
Tank Spill Prevention: Spill Bucket/Spill Box
Tank Overfill Prevention: 25 Gallons or less
Tank Material: Fiberglass Reinforced Plastic
Tank Construction: Double Wall Tank
Tank Tightness Test: Not reported
Tank Corrosion Protection: Corrosion Resistant
Pipe Material: Fiberglass
Pipe Construction: Double Wall Pipe
Pipe Primary Release Detection: No Piping Attached to Tank
Pipe Second Release Detection: Not reported
Pipe Corrosion Protection: Corrosion Resistant
Tank Primary Release Detection: Interstitial Monitoring
Tank Second Release Detection: Not reported
Pipe Tightness Test: No Piping Attached to Tank
Tank Actual Status Date: 8/6/1996
Tag Number: A0865

WA MANIFEST:

Facility Site ID Number: 38342233
SWC Desc: Not reported
FWC Desc: Not reported
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONOCOPHILLIPS 30155 (Continued)

1000659090

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: WAD988487559
Facility Address 2: Not reported
TAX REG NBR: 600115909
NAICS CD: 44711
BUSINESS TYPE: Not reported
MAIL NAME: ConocoPhillips Company
MAIL ADDR LINE1: 600 North Dairy Ashford
MAIL CITY,ST,ZIP: Houston, TX 77079
MAIL COUNTRY: UNITED STATES
LEGAL ORG NAME: ConocoPhillips Company
LEGAL ORG TYPE: Private
LEGAL ADDR LINE1: 600 North Dairy Ashford
LEGAL CITY,ST,ZIP: Houston, TX 77079
LEGAL COUNTRY: UNITED STATES
LEGAL PHONE NBR: 281-293-1000
LEGAL EFFECTIVE DATE: 12/31/2003
LAND ORG NAME: ConocoPhillips Company
LAND ORG TYPE: Private
LAND PERSON NAME: Not reported
LAND ADDR LINE1: 600 North Dairy Ashford
LAND CITY,ST,ZIP: Houston, TX 77079
LAND COUNTRY: UNITED STATES
LAND PHONE NBR: 281-293-1000
OPERATOR ORG NAME: Kayo Oil Company
OPERATOR ORG TYPE: Private
OPERATOR ADDR LINE1: 1221 4th Ave
OPERATOR CITY,ST,ZIP: Marysville, WA 98270
OPERATOR COUNTRY: UNITED STATES
OPERATOR PHONE NBR: 360-653-2044
OPERATOR EFFECTIVE DATE: 06/28/96
SITE CONTACT NAME: Tiana Andriamanarivo
SITE CONTACT ADDR LINE1: 1380 San Pablo Ave
SITE CONTACT ZIP: Rodeo, CA 94572
SITE CONTACT COUNTRY: UNITED STATES
SITE CONTACT PHONE NBR: 510-245-5176
SITE CONTACT EMAIL: Tiana.Andriamanarivo@conocophillips.com
FORM CONTACT NAME: Thomas R Border
FORM CONTACT ADDR LINE1: 600 North Dairy Ashford, TA1026B

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONOCOPHILLIPS 30155 (Continued)

1000659090

FORM CONTACT CITY,ST,ZIP: Houston, TX 77079
FORM CONTACT COUNTRY: UNITED STATES
FORM CONTACT PHONE NBR: 281-293-4335
FORM CONTACT EMAIL: thomas.r.border@conocophillips.com
GEN STATUS CD: XQG
MONTHLY GENERATION: False
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: 38342233
SWC Desc: Not reported
FWC Desc: Not reported
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: WAD988487559
Facility Address 2: Not reported
TAX REG NBR: 600115909
NAICS CD: 44711
BUSINESS TYPE: Not reported
MAIL NAME: ConocoPhillips Company

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONOCOPHILLIPS 30155 (Continued)

1000659090

MAIL ADDR LINE1: 600 North Dairy Ashford
MAIL CITY,ST,ZIP: Houston, TX 77079
MAIL COUNTRY: UNITED STATES
LEGAL ORG NAME: ConocoPhillips Company
LEGAL ORG TYPE: Private
LEGAL ADDR LINE1: 600 North Dairy Ashford
LEGAL CITY,ST,ZIP: Houston, TX 77079
LEGAL COUNTRY: UNITED STATES
LEGAL PHONE NBR: 281-293-1000
LEGAL EFFECTIVE DATE: 12/31/2003
LAND ORG NAME: ConocoPhillips Company
LAND ORG TYPE: Private
LAND PERSON NAME: Not reported
LAND ADDR LINE1: 600 North Dairy Ashford
LAND CITY,ST,ZIP: Houston, TX 77079
LAND COUNTRY: UNITED STATES
LAND PHONE NBR: 281-293-1000
OPERATOR ORG NAME: SAMIR MESSIHA
OPERATOR ORG TYPE: Private
OPERATOR ADDR LINE1: 1221 4th Ave
OPERATOR CITY,ST,ZIP: Marysville, WA 98270
OPERATOR COUNTRY: UNITED STATES
OPERATOR PHONE NBR: 360-653-2044
OPERATOR EFFECTIVE DATE: 6/28/1996
SITE CONTACT NAME: Tiana Andriamanarivo
SITE CONTACT ADDR LINE1: 1380 San Pablo Ave
SITE CONTACT ZIP: Rodeo, CA 94572
SITE CONTACT COUNTRY: UNITED STATES
SITE CONTACT PHONE NBR: 510-245-5176
SITE CONTACT EMAIL: Tiana.Andriamanarivo@conocophillips.com
FORM CONTACT NAME: Thomas R Border
FORM CONTACT ADDR LINE1: 600 North Dairy Ashford, TA1026B
FORM CONTACT CITY,ST,ZIP: Houston, TX 77079
FORM CONTACT COUNTRY: UNITED STATES
FORM CONTACT PHONE NBR: 281-293-4335
FORM CONTACT EMAIL: thomas.r.border@conocophillips.com
GEN STATUS CD: MQG
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 FACLTY: 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: 38342233
SWC Desc: Not reported
FWC Desc: Not reported
Form Comm: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONOCOPHILLIPS 30155 (Continued)

1000659090

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: WAD988487559
Facility Address 2: Not reported
TAX REG NBR: 600115909
NAICS CD: 44711
BUSINESS TYPE: Not reported
MAIL NAME: ConocoPhillips Company
MAIL ADDR LINE1: 600 North Dairy Ashford
MAIL CITY,ST,ZIP: Houston, TX 77079
MAIL COUNTRY: UNITED STATES
LEGAL ORG NAME: ConocoPhillips Company
LEGAL ORG TYPE: Private
LEGAL ADDR LINE1: 600 North Dairy Ashford
LEGAL CITY,ST,ZIP: Houston, TX 77079
LEGAL COUNTRY: UNITED STATES
LEGAL PHONE NBR: 281-293-1000
LEGAL EFFECTIVE DATE: 12/31/2003
LAND ORG NAME: ConocoPhillips Company
LAND ORG TYPE: Private
LAND PERSON NAME: Not reported
LAND ADDR LINE1: 600 North Dairy Ashford
LAND CITY,ST,ZIP: Houston, TX 77079
LAND COUNTRY: UNITED STATES
LAND PHONE NBR: 281-293-1000
OPERATOR ORG NAME: Not reported
OPERATOR ORG TYPE: Private
OPERATOR ADDR LINE1: 1221 4th Ave
OPERATOR CITY,ST,ZIP: Marysville, WA 98270
OPERATOR COUNTRY: UNITED STATES
OPERATOR PHONE NBR: 360-653-2044
OPERATOR EFFECTIVE DATE: 6/28/1996
SITE CONTACT NAME: Tiana Andriamanarivo

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONOCOPHILLIPS 30155 (Continued)

1000659090

SITE CONTACT ADDR LINE1: 1380 San Pablo Ave
SITE CONTACT ZIP: Rodeo, CA 94572
SITE CONTACT COUNTRY: UNITED STATES
SITE CONTACT PHONE NBR: 510-245-5176
SITE CONTACT EMAIL: Tiana.Andriamanarivo@conocophillips.com
FORM CONTACT NAME: Marina Tishkova
FORM CONTACT ADDR LINE1: 600 North Dairy Ashford TA1026B
FORM CONTACT CITY,ST,ZIP: Houston, TX 77079
FORM CONTACT COUNTRY: UNITED STATES
FORM CONTACT PHONE NBR: 281-293-4335
FORM CONTACT EMAIL: Marina.A.Tishkova@conocophillips.com
GEN STATUS CD: SQG
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

Facility Site ID Number: 38342233
SWC Desc: Not reported
FWC Desc: Not reported
Form Comm: Site Sold
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 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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONOCOPHILLIPS 30155 (Continued)

1000659090

Off-specification used oil burner - industrial furnace: False
EPA ID: WAD988487559
Facility Address 2: Not reported
TAX REG NBR: 600115909
NAICS CD: 44711
BUSINESS TYPE: Not reported
MAIL NAME: ConocoPhillips Company
MAIL ADDR LINE1: 600 North Dairy Ashford
MAIL CITY,ST,ZIP: Houston, TX 77079
MAIL COUNTRY: UNITED STATES
LEGAL ORG NAME: ConocoPhillips Company
LEGAL ORG TYPE: Private
LEGAL ADDR LINE1: 600 North Dairy Ashford
LEGAL CITY,ST,ZIP: Houston, TX 77079
LEGAL COUNTRY: UNITED STATES
LEGAL PHONE NBR: 281-293-1000
LEGAL EFFECTIVE DATE: 12/31/2003
LAND ORG NAME: ConocoPhillips Company
LAND ORG TYPE: Private
LAND PERSON NAME: Not reported
LAND ADDR LINE1: 600 North Dairy Ashford
LAND CITY,ST,ZIP: Houston, TX 77079
LAND COUNTRY: UNITED STATES
LAND PHONE NBR: 281-293-1000
OPERATOR ORG NAME: Kayo Oil Company
OPERATOR ORG TYPE: Private
OPERATOR ADDR LINE1: 1221 4th Ave
OPERATOR CITY,ST,ZIP: Marysville, WA 98270
OPERATOR COUNTRY: UNITED STATES
OPERATOR PHONE NBR: 360-653-2044
OPERATOR EFFECTIVE DATE: 6/28/1996
SITE CONTACT NAME: Tiana Andriamanarivo
SITE CONTACT ADDR LINE1: 1380 San Pablo Ave
SITE CONTACT ZIP: Rodeo, CA 94572
SITE CONTACT COUNTRY: UNITED STATES
SITE CONTACT PHONE NBR: 510-245-5176
SITE CONTACT EMAIL: Tiana.Andriamanarivo@conocophillips.com
FORM CONTACT NAME: Thomas R Border
FORM CONTACT ADDR LINE1: 600 North Dairy Ashford, TA1026B
FORM CONTACT CITY,ST,ZIP: Houston, TX 77079
FORM CONTACT COUNTRY: UNITED STATES
FORM CONTACT PHONE NBR: 281-293-4335
FORM CONTACT EMAIL: thomas.r.border@conocophillips.com
GEN STATUS CD: XQG
MONTHLY GENERATION: False
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONOCOPHILLIPS 30155 (Continued)

1000659090

USED OIL FUEL MRKTR DIRECTS SHPMNTS: False
USED OIL FUEL MRKTR MEETS SPECS: False

ICR:

Date Ecology Received Report: 06/06/97
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 95-03
County Code: 31
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 07/16/97
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 95-05
County Code: 31
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 12/16/97
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 98-13
County Code: 31
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 12/17/92
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 92-47
County Code: 31
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 03/24/93
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 92-49
County Code: 31
Contact: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

CONOCOPHILLIPS 30155 (Continued)

1000659090

Report Title: Not reported

Date Ecology Received Report: 06/04/93
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 93-06
County Code: 31
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 09/23/93
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 93-09
County Code: 31
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 07/13/94
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 93-39
County Code: 31
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 12/07/94
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 93-43
County Code: 31
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 02/23/95
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 94-15
County Code: 31
Contact: Not reported
Report Title: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONOCOPHILLIPS 30155 (Continued)

1000659090

Date Ecology Received Report: 04/12/95
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 94-15
County Code: 31
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 07/07/95
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 94-15
County Code: 31
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 09/26/95
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 94-15
County Code: 31
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 03/05/92
Contaminants Found at Site: Petroleum products, Non-haologenated solvents
Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 92-19
County Code: 31
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 11/29/95
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 94-17
County Code: 31
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 01/16/97
Contaminants Found at Site: Petroleum products

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

CONOCOPHILLIPS 30155 (Continued)

1000659090

Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 94-45
County Code: 31
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 10/10/96
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 94-45
County Code: 31
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 06/04/97
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 94-54
County Code: 31
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 08/12/96
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 94-44
County Code: 31
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 01/16/02
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 98-44
County Code: 31
Contact: Not reported
Report Title: Third Quarter Ground Water Monitoring - November 2001

Date Ecology Received Report: 03/07/02
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Waste Management: Tank

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CONOCOPHILLIPS 30155 (Continued)

1000659090

Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 98-46
County Code: 31
Contact: Not reported
Report Title: Fourth Quarter Ground Water Monitoring 2001

Date Ecology Received Report: 06/21/02
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 98-50
County Code: 31
Contact: Not reported
Report Title: Well Decommissioning

VCP:

edr_fstat: WA
edr_fzip: 98270
edr_fcnty: SNOHOMISH
edr_zip: 98270-4916
Facility ID: 38342233
VCP Status: VCP
VCP: Not reported
Ecology Status: RA in Progress
NFA Type: RA in Progress
Date NFA: RA in Progress
Rank: RA in Progress

edr_fstat: WA
edr_fzip: 98270
edr_fcnty: SNOHOMISH
edr_zip: 98270-4916
Facility ID: 38342233
VCP Status: VCP
VCP: Not reported
Ecology Status: RA in Progress
NFA Type: RA in Progress
Date NFA: RA in Progress
Rank: RA in Progress

E20
NNW
1/4-1/2
0.299 mi.
1580 ft.

TEXACO 120555
1209 4TH ST
MARYSVILLE, WA 98270

Site 3 of 5 in cluster E

RCRA-LQG 1000660548
FINDS WAD988502357
ICR

Relative:
Higher

RCRA-LQG:

Date form received by agency: 03/12/2008
Facility name: SHELL OIL PRODUCTS US SAP 120555
Facility address: 1209 4TH ST
MARYSVILLE, WA 98270
EPA ID: WAD988502357
Mailing address: 12700 NORTHBOROUGH DR NOB 300
HOUSTON, TX 77067

Actual:
23 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TEXACO 120555 (Continued)

1000660548

Contact: RAY E WALDING
Contact address: 12700 NORTHBOROUGH DR NOB 300
HOUSTON, TX 77067
Contact country: US
Contact telephone: (281)874-2247
Contact email: Not reported
EPA Region: 10
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg 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; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; 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 more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: SHELL OIL PRODUCTS US
Owner/operator address: 12700 NORTHBOROUGH DR NOB 300
HOUSTON, TX 77067
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 08/27/1996
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
Used 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: SHELL OIL PRODUCTS US SAP 120555
Classification: Large Quantity Generator

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TEXACO 120555 (Continued)

1000660548

Biennial Reports:

Last Biennial Reporting Year: 2009

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 2952.2
Waste code: D018
Waste name: BENZENE
Amount (Lbs): 2752.2

Violation Status: No violations found

FINDS:

Registry ID: 110005372587

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 corrective action activities required under RCRA.

ICR:

Date Ecology Received Report: 05/14/98
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 98-07
County Code: 31
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 10/04/99
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Waste Management: Tank

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TEXACO 120555 (Continued)

1000660548

Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 98-18
County Code: 31
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 08/11/99
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 98-17
County Code: 31
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 05/05/00
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 98-26
County Code: 31
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 01/02/91
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 91-20
County Code: 31
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 10/04/95
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 94-15
County Code: 31
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 02/04/92
Contaminants Found at Site: Petroleum products
Media Contaminated: Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TEXACO 120555 (Continued)

1000660548

Site Register Issue: 92-18
County Code: 31
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 05/23/91
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Not reported
Site Register Issue: 91-30
County Code: 31
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 02/21/92
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 92-20
County Code: 31
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 03/04/93
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 92-46
County Code: 31
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 04/10/93
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 92-49
County Code: 31
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 09/17/93
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 93-13
County Code: 31

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TEXACO 120555 (Continued)

1000660548

Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 10/26/93
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 93-13
County Code: 31
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 03/14/94
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 93-23
County Code: 31
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 04/12/94
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 93-30
County Code: 31
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 07/15/94
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 93-37
County Code: 31
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 02/05/96
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 94-20
County Code: 31
Contact: Not reported
Report Title: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TEXACO 120555 (Continued)

1000660548

Date Ecology Received Report: 10/18/96
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 94-41
County Code: 31
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 01/29/97
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 94-47
County Code: 31
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 01/22/97
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 94-47
County Code: 31
Contact: Not reported
Report Title: Not reported

Date Ecology Received Report: 05/11/01
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 98-36
County Code: 31
Contact: Not reported
Report Title: Semiannual Monitoring - February 2001

Date Ecology Received Report: 12/04/01
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 98-43
County Code: 31
Contact: Not reported
Report Title: Sampling - July 2001

Date Ecology Received Report: 06/21/02
Contaminants Found at Site: Petroleum products

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TEXACO 120555 (Continued)

1000660548

Media Contaminated: Groundwater, Soil
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 98-50
County Code: 31
Contact: Not reported
Report Title: First Quarter Ground Water Monitoring 2002

E21
NNW
1/4-1/2
0.299 mi.
1580 ft.

TEXACO
11209 4TH ST.
MARYSVILLE, WA 98270

ICR S103509781
N/A

Site 4 of 5 in cluster E

Relative:
Higher

ICR:

Date Ecology Received Report: 02/14/95
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 93-48
County Code: 31
Contact: Not reported
Report Title: Not reported

Actual:
23 ft.

Date Ecology Received Report: 03/14/95
Contaminants Found at Site: Petroleum products
Media Contaminated: Groundwater
Waste Management: Tank
Region: North Western
Type of Report Ecology Received: Interim cleanup report
Site Register Issue: 93-48
County Code: 31
Contact: Not reported
Report Title: Not reported

E22
NNW
1/4-1/2
0.299 mi.
1580 ft.

TEXACO 120555
1209 4TH ST
MARYSVILLE, WA 98270

CSCSL U003027003
ALLSITES N/A
LUST
UST
MANIFEST
VCP

Site 5 of 5 in cluster E

Relative:
Higher

CSCSL:

Facility ID: 17877244
Facility Type: VCP
Region: Northwest
Ecology Status Code: 3
Entered Date: 7/9/2007
Updated Date: 2/18/2009
Brownfield Status: 0
Rank Status: Not reported
PSI Status: 1
Clean Method: Not reported

Actual:
23 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)
EDR ID Number
EPA ID Number

TEXACO 120555 (Continued)

U003027003

Drinking Water Type: Not reported
Cleanup Standard: Not reported
Acres Remediated: Not reported
Latitude: 48.051349
Longitude: -122.183398
Lat/Long: 48.051349 / -122.183398
Lat/Long (dms): 48 3 4.856 / -122 11 0.233
Media Status Desc: 2/12/2009
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: NORTHWEST
Arsenic Code: Not reported
MTBE Code: Below Cleanup Level
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: Not reported
Metals - Other non-priority pollutant metals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
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: 17877244
Facility Type: VCP
Region: Northwest
Ecology Status Code: 3
Entered Date: 7/9/2007
Updated Date: 2/18/2009
Brownfield Status: 0
Rank Status: Not reported
PSI Status: 1
Clean Method: Not reported
Drinking Water Type: Not reported
Cleanup Standard: Not reported
Acres Remediated: Not reported
Latitude: 48.051349
Longitude: -122.183398
Lat/Long: 48.051349 / -122.183398
Lat/Long (dms): 48 3 4.856 / -122 11 0.233
Media Status Desc: 7/9/2007
Affected Media: Soil
Affected Media Status: Confirmed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TEXACO 120555 (Continued)

U003027003

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: NORTHWEST
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: Not reported
Metals - Other non-priority pollutant medals: Not reported
Polychlorinated biPhenyls (PCBs): Not reported
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

ALLSITES:

Facility Id: 17877244
Latitude: 48.051349000000002
Longitude: -122.183398
Geographic location identifier (alias facid): 17877244
Facility Name: Texaco 120555
Latitude Decimal Degrees: 48.051349000000002
Longitude Decimal Degrees: -122.183398
Coordinate Point Areal Extent Code: 4
Horizontal Accuracy Code: 6
Coordinate Point Geographic Position Code: 5
Location Verified Code: N

Geographic Location Identifier (Alias Facid): 17877244
Interaction (Aka Env Int) Type Code: VOLCLNST
Interaction (Aka Env Int) Description: Voluntary Cleanup Sites
Interaction Status: A
Federal Program Identifier: NW2083
Interaction Start Date: 2/12/2009
Interaction End Date: Not reported

Geographic Location Identifier (Alias Facid): 17877244
Interaction (Aka Env Int) Type Code: LUST
Interaction (Aka Env Int) Description: LUST Facility
Interaction Status: A
Federal Program Identifier: 4468
Interaction Start Date: 9/7/1989
Interaction End Date: Not reported

Geographic Location Identifier (Alias Facid): 17877244

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry should be supported by a valid receipt or invoice. This not only helps in tracking expenses but also ensures compliance with tax regulations. The document further outlines the procedures for handling discrepancies and the role of the accounting department in providing timely reports to management.

In addition, the document highlights the need for regular audits to identify any potential issues or fraud. It states that the audit process should be thorough and unbiased, involving all relevant departments. The findings of the audit should be used to improve internal controls and prevent future occurrences. The document concludes by reiterating the commitment to transparency and accountability in all financial operations.

APPENDIX E

**Environmental Data Resources, Inc. Historical
Aerial Photograph Report**

**Environmental Data Resources, Inc. Historical
Topographic Map Report**

**Environmental Data Resources, Inc. Historical
Sanborn Fire Insurance Map Report**

**Environmental Data Resources, Inc. Historical
City Directory Abstract**



Geddes Marina

1326 First Street

Marysville, WA 98270

Inquiry Number: 2798250.5

June 21, 2010



The EDR Aerial Photo Decade Package



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

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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Date EDR Searched Historical Sources:

Aerial Photography June 21, 2010

Target Property:

1326 First Street

Marysville, WA 98270

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1956	Aerial Photograph. Scale: 1"=1000'	Panel #: 48122-A2, Marysville, WA;/Flight Date: April 09,	EDR 1956
1968	Aerial Photograph. Scale: 1"=750'	Panel #: 48122-A2, Marysville, WA;/Flight Date: September 02,	EDR 1968
1971	Aerial Photograph. Scale: 1"=1000'	Panel #: 48122-A2, Marysville, WA;/Flight Date: September 18,	EDR 1971
1975	Aerial Photograph. Scale: 1"=500'	Panel #: 48122-A2, Marysville, WA;/Flight Date: April 01,	EDR 1975
1981	Aerial Photograph. Scale: 1"=1000'	Panel #: 48122-A2, Marysville, WA;/Flight Date: July 26,	EDR 1981
1990	Aerial Photograph. Scale: 1"=750'	Panel #: 48122-A2, Marysville, WA;/Flight Date: July 18,	EDR 1990
2006	Aerial Photograph. Scale: 1"=604'	Panel #: 48122-A2, Marysville, WA;/Flight Date: January 01,	EDR 2006



INQUIRY #: 2798250.5

YEAR: 1956

| = 1000'





INQUIRY #: 2798250.5

YEAR: 1968

|—————| = 750'





INQUIRY #: 2798250.5

YEAR: 1971

| = 1000'





INQUIRY #: 2798250.5

YEAR: 1975

 = 500'





INQUIRY #: 2798250.5

YEAR: 1981

| = 1000'





INQUIRY #: 2798250.5

YEAR: 1990

 = 750'





INQUIRY #: 2798250.5

YEAR: 2006

| = 604'





Geddes Marina

1326 First Street

Marysville, WA 98270

Inquiry Number: 2798250.4

June 22, 2010

The EDR Historical Topographic Map Report

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

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

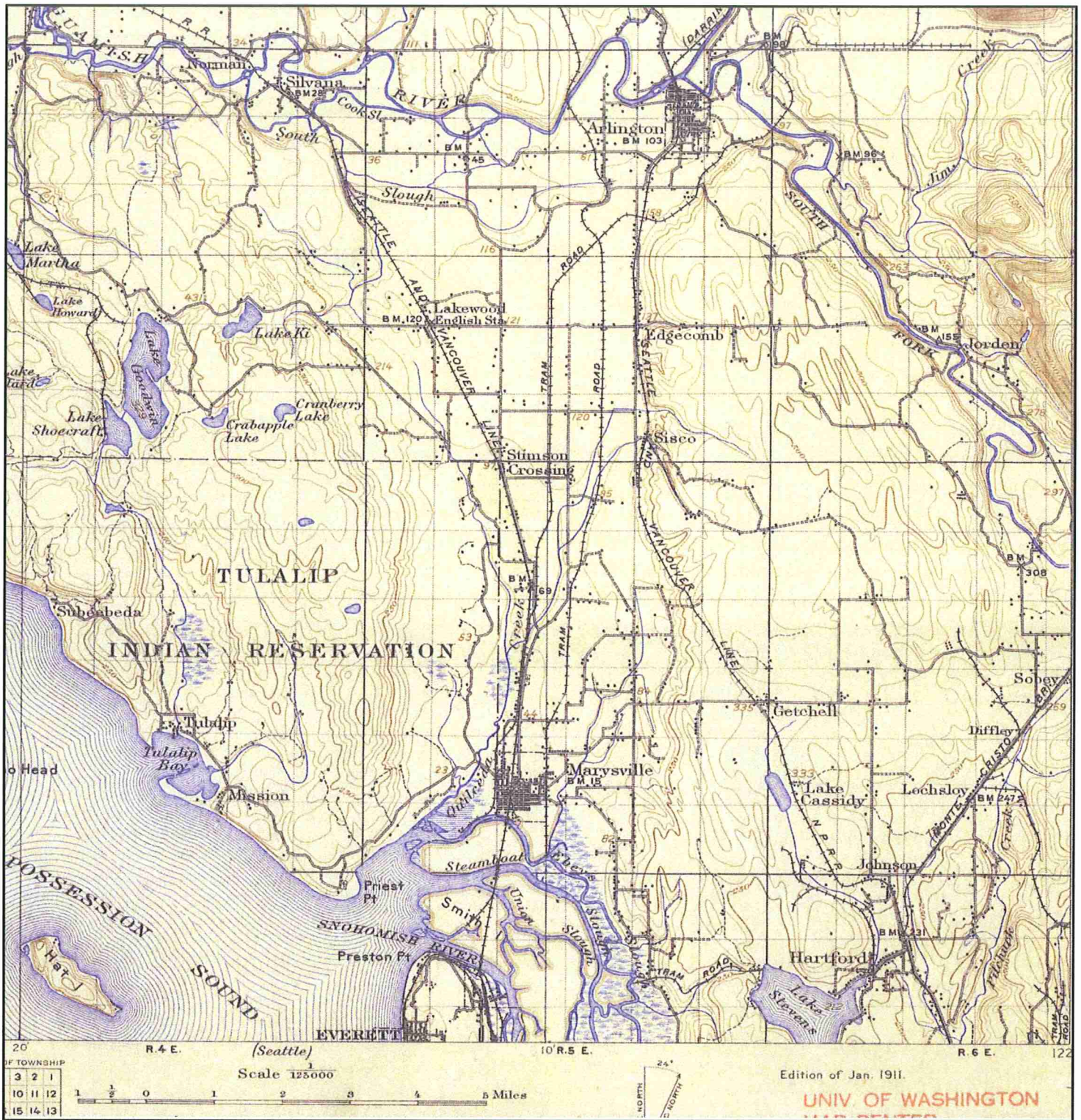
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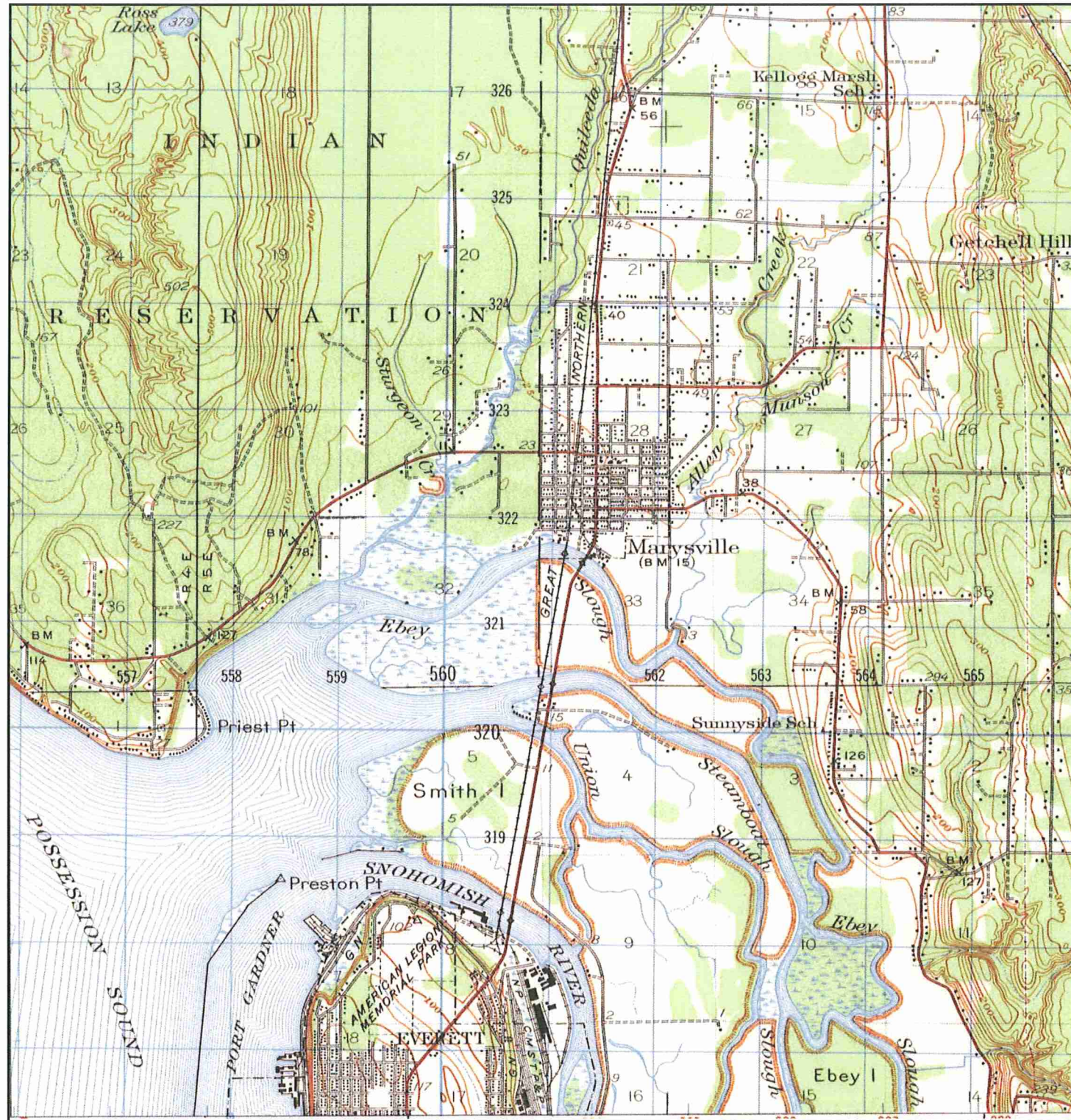
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Historical Topographic Map



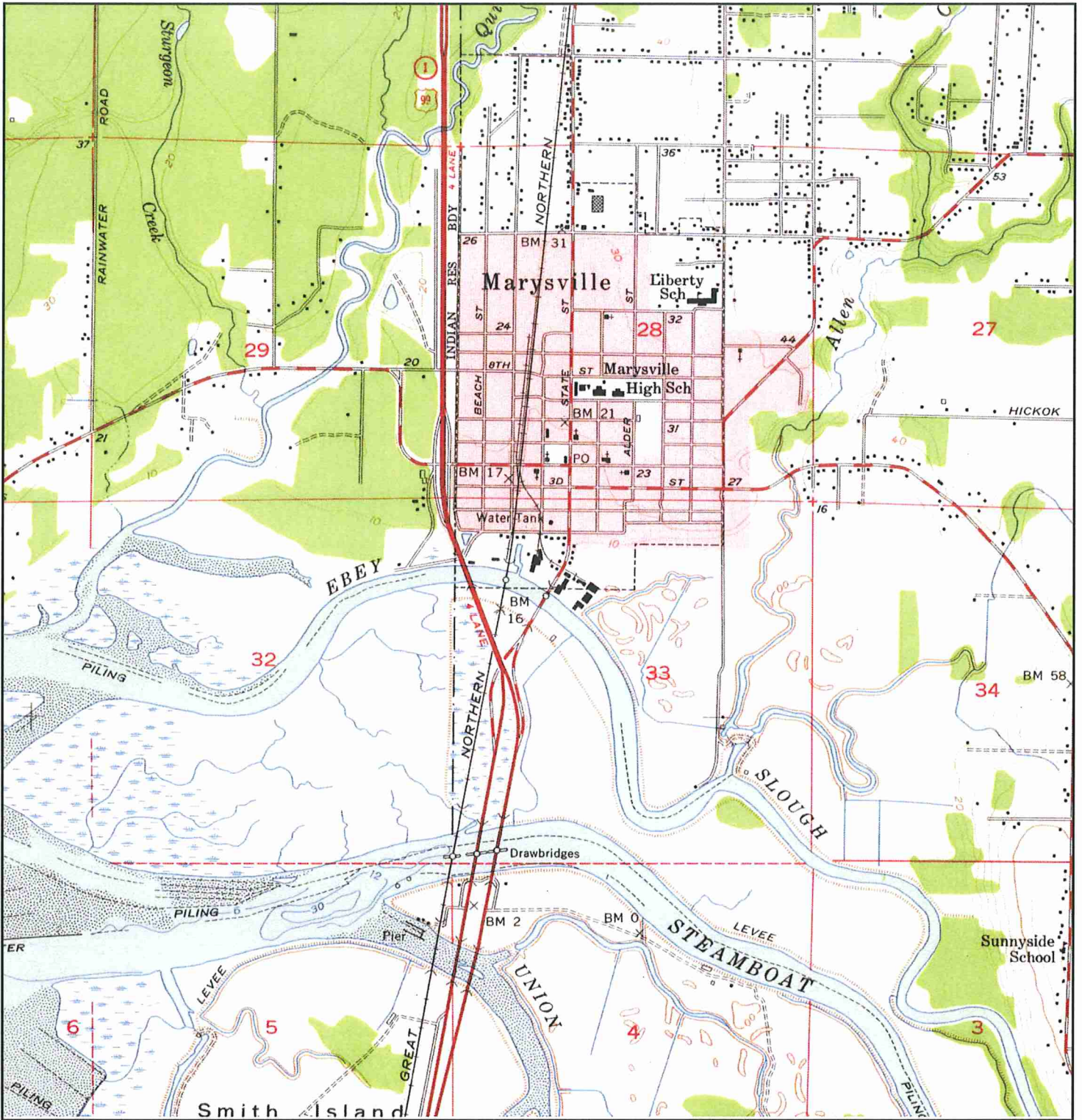
	TARGET QUAD NAME: Mount Vernon, WA MAP YEAR: 1911	SITE NAME: Geddes Marina ADDRESS: 1326 First Street Marysville, WA 98270 LAT/LONG: 48.0479 / 122.1798	CLIENT: Associated Earth Sciences Inc. CONTACT: Michael August INQUIRY#: 2798250.4 RESEARCH DATE: 06/22/2010
	SERIES: 7.5 SCALE: 1:24,000		

Historical Topographic Map



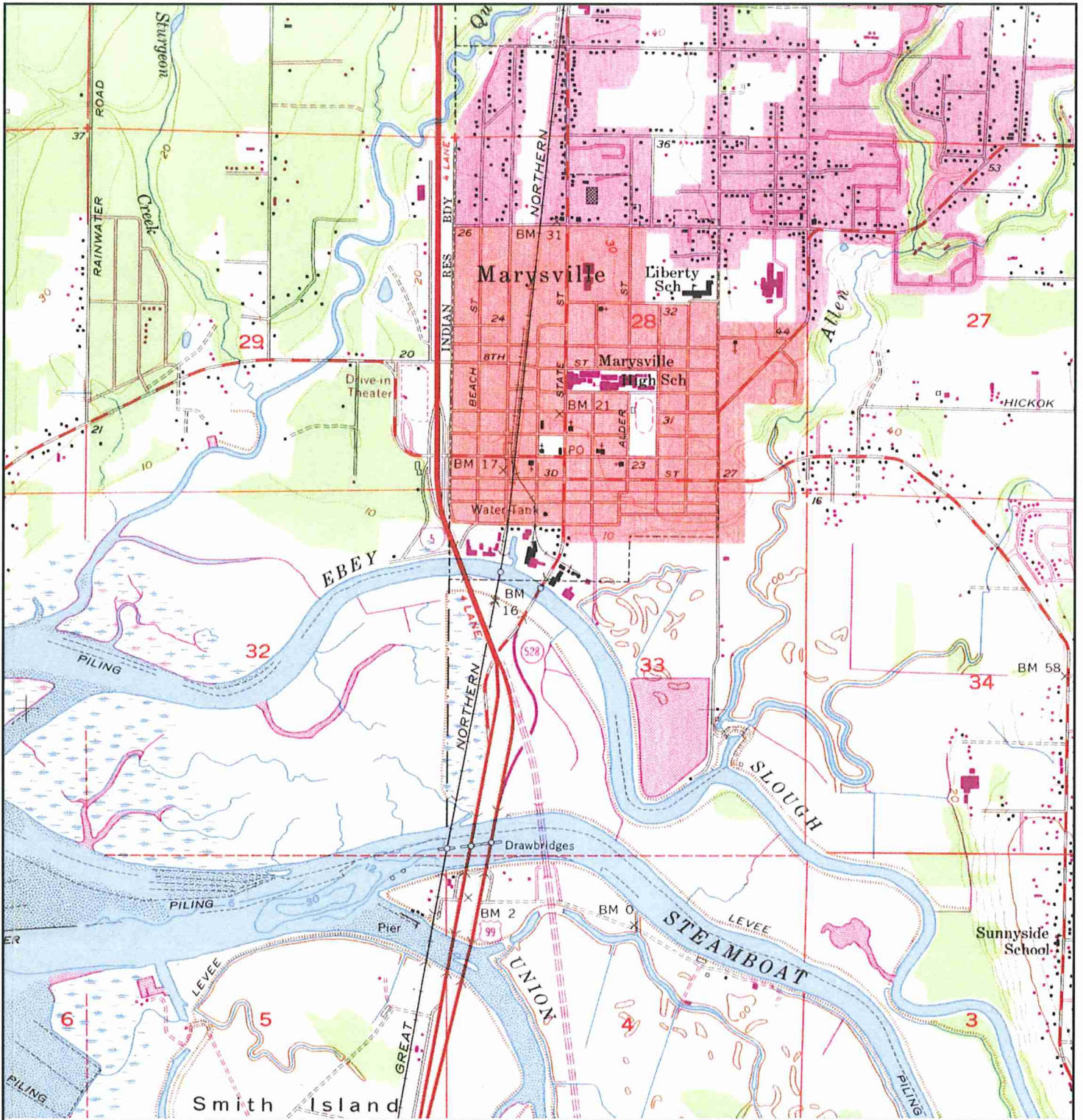
<p>N ↑</p>	<p>TARGET QUAD NAME: Marysville, WA MAP YEAR: 1947</p>	<p>SITE NAME: Geddes Marina ADDRESS: 1326 First Street Marysville, WA 98270</p>	<p>CLIENT: Associated Earth Sciences Inc. CONTACT: Michael August INQUIRY#: 2798250.4 RESEARCH DATE: 06/22/2010</p>
	<p>SERIES: 15 SCALE: 1:50,000</p>	<p>LAT/LONG: 48.0479 / 122.1798</p>	

Historical Topographic Map



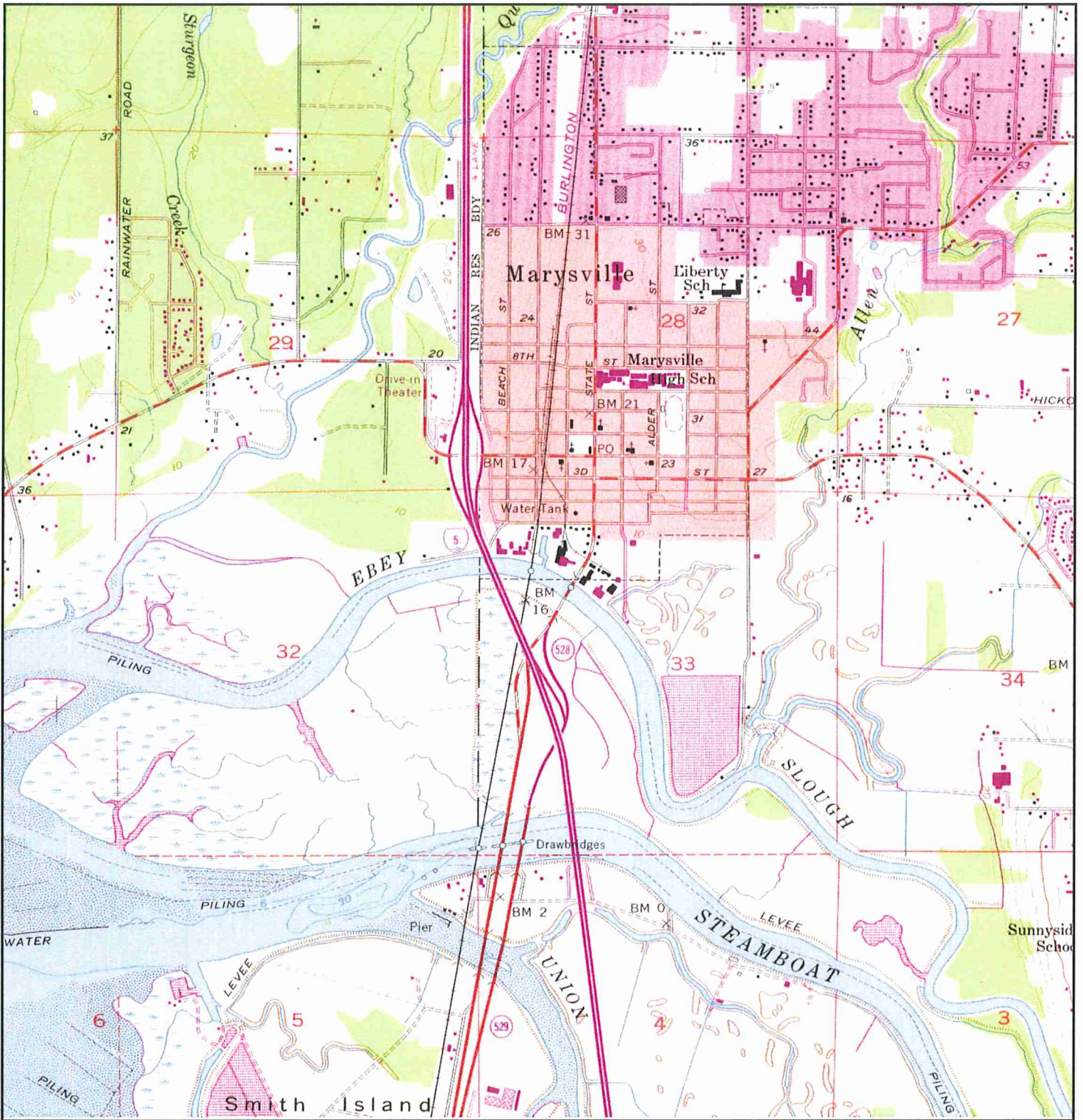
<p>N ↑</p>	<p>TARGET QUAD NAME: Marysville, WA MAP YEAR: 1956</p>	<p>SITE NAME: Geddes Marina ADDRESS: 1326 First Street Marysville, WA 98270</p>	<p>CLIENT: Associated Earth Sciences Inc. CONTACT: Michael August INQUIRY#: 2798250.4 RESEARCH DATE: 06/22/2010</p>
	<p>SERIES: 7.5 SCALE: 1:24,000</p>	<p>LAT/LONG: 48.0479 / 122.1798</p>	


Historical Topographic Map



<p>N ↑</p>	TARGET QUAD	SITE NAME:	Geddes Marina	CLIENT:	Associated Earth Sciences Inc.
	NAME: Marysville, WA	ADDRESS:	1326 First Street	CONTACT:	Michael August
	MAP YEAR: 1968		Marysville, WA 98270	INQUIRY#:	2798250.4
	PHOTOREVISED FROM: 1956	LAT/LONG:	48.0479 / 122.1798	RESEARCH DATE:	06/22/2010
	SERIES: 7.5				
	SCALE: 1:24,000				

Historical Topographic Map



N 	TARGET QUAD NAME: Marysville, WA MAP YEAR: 1973 PHOTOREVISED FROM: 1956 SERIES: 7.5 SCALE: 1:24,000	SITE NAME: Geddes Marina ADDRESS: 1326 First Street Marysville, WA 98270 LAT/LONG: 48.0479 / 122.1798	CLIENT: Associated Earth Sciences Inc. CONTACT: Michael August INQUIRY#: 2798250.4 RESEARCH DATE: 06/22/2010



Geddes Marina

1326 First Street

Marysville, WA 98270

Inquiry Number: 2798250.3

June 21, 2010



Certified Sanborn® Map Report

Certified Sanborn® Map Report

6/21/10

Site Name:

Geddes Marina
1326 First Street
Marysville, WA 98270

Client Name:

Associated Earth Sciences Inc.
911 5th Avenue
Kirkland, WA 98033



EDR Inquiry # 2798250.3

Contact: Michael August

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Associated Earth Sciences Inc. were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: Geddes Marina
Address: 1326 First Street
City, State, Zip: Marysville, WA 98270
Cross Street:
P.O. # NA
Project: KV080118B
Certification # 0727-4B97-B3C4



Sanborn® Library search results
Certification # 0727-4B97-B3C4

Maps Provided:

- 1942
- 1926
- 1912
- 1906

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

The Sanborn Library LLC Since 1866™

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Sanborn Sheet Thumbnails

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



1942 Source Sheets



Volume 1, Sheet 5



Volume 1, Sheet 6



Volume 1, Sheet 8



Volume 1, Sheet 9

1926 Source Sheets



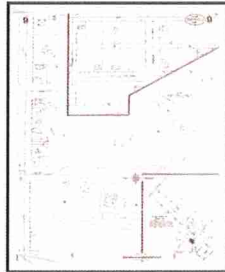
Volume 1, Sheet 5



Volume 1, Sheet 6

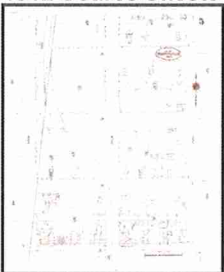


Volume 1, Sheet 8

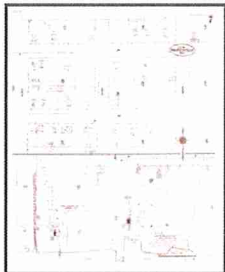


Volume 1, Sheet 9

1912 Source Sheets



Volume 1, Sheet 5



Volume 1, Sheet 7

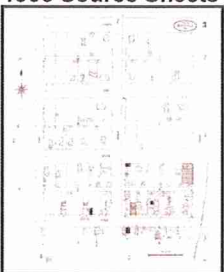


Volume 1, Sheet 8



Volume 1, Sheet 4

1906 Source Sheets



Volume 1, Sheet 3

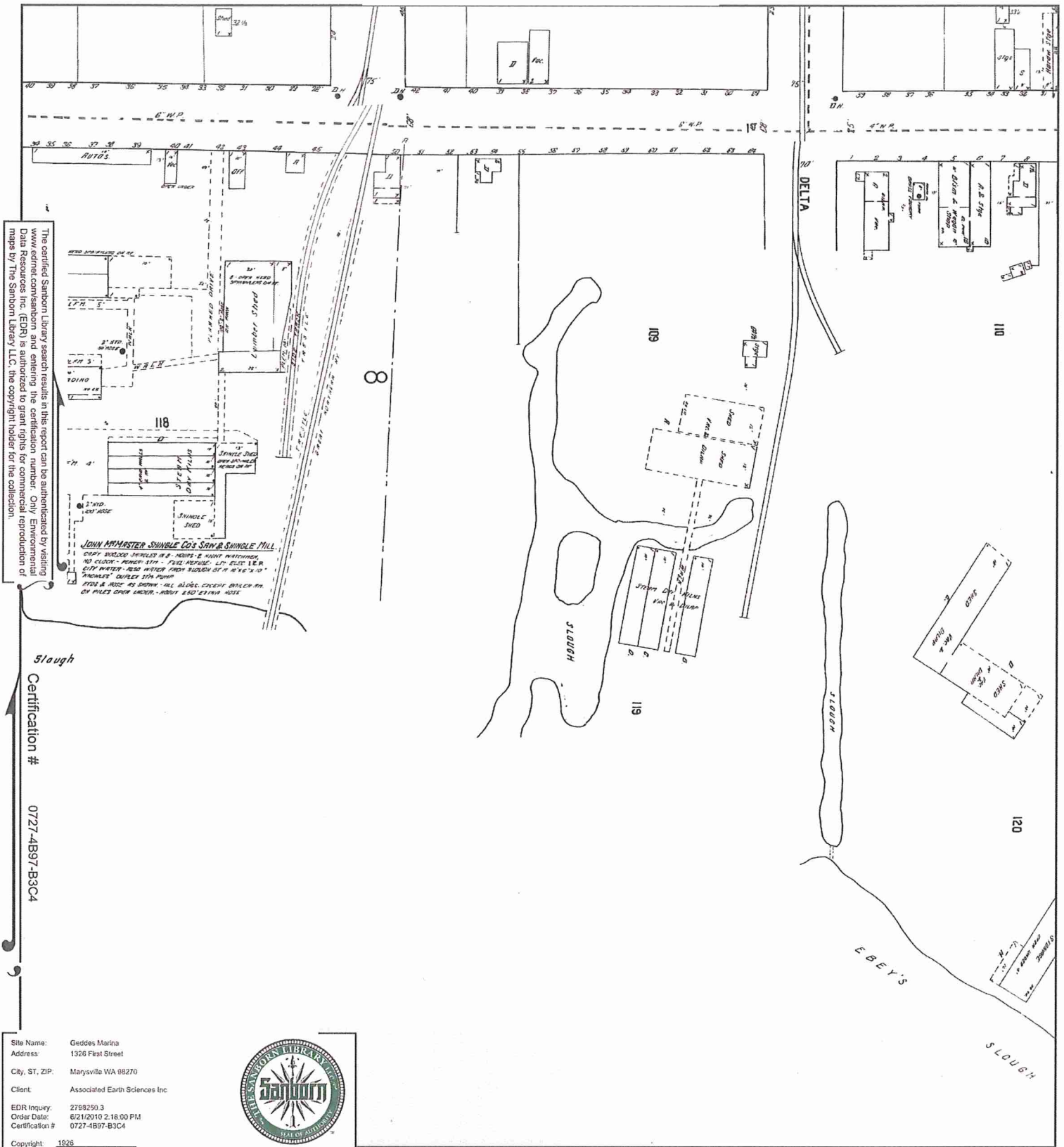


Volume 1, Sheet 4



Volume 1, Sheet 6

1926 Certified Sanborn Map



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Slough

Certification #

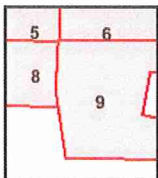
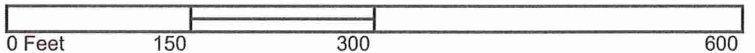
0727-4B97-B3C4

Site Name: Geddes Marina
 Address: 1320 First Street
 City, ST, ZIP: Marysville WA 98270
 Client: Associated Earth Sciences Inc.
 EDR Inquiry: 2798250.3
 Order Date: 6/21/2010 2:18:00 PM
 Certification #: 0727-4B97-B3C4



Copyright: 1928

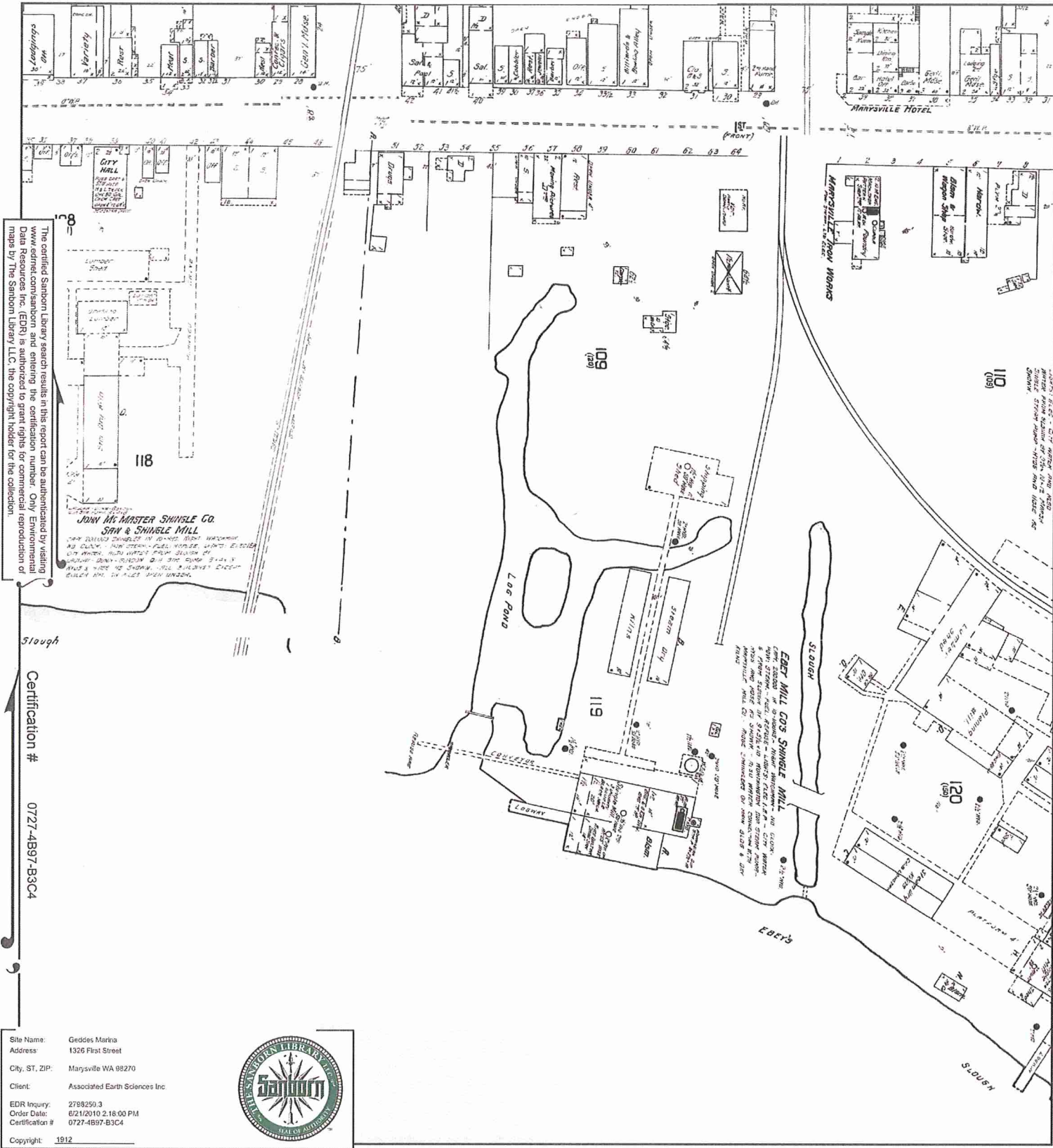
This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



- Volume 1, Sheet 5
- Volume 1, Sheet 6
- Volume 1, Sheet 8
- Volume 1, Sheet 9



1912 Certified Sanborn Map



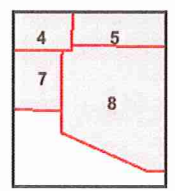
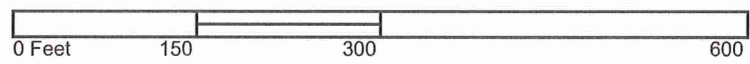
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Certification # 0727-4B97-B3C4

Site Name: Geddes Marina
 Address: 1326 First Street
 City, ST, ZIP: Marysville WA 98270
 Client: Associated Earth Sciences Inc
 EDR Inquiry: 2798250.3
 Order Date: 6/21/2010 2:18:00 PM
 Certification #: 0727-4B97-B3C4
 Copyright: 1912



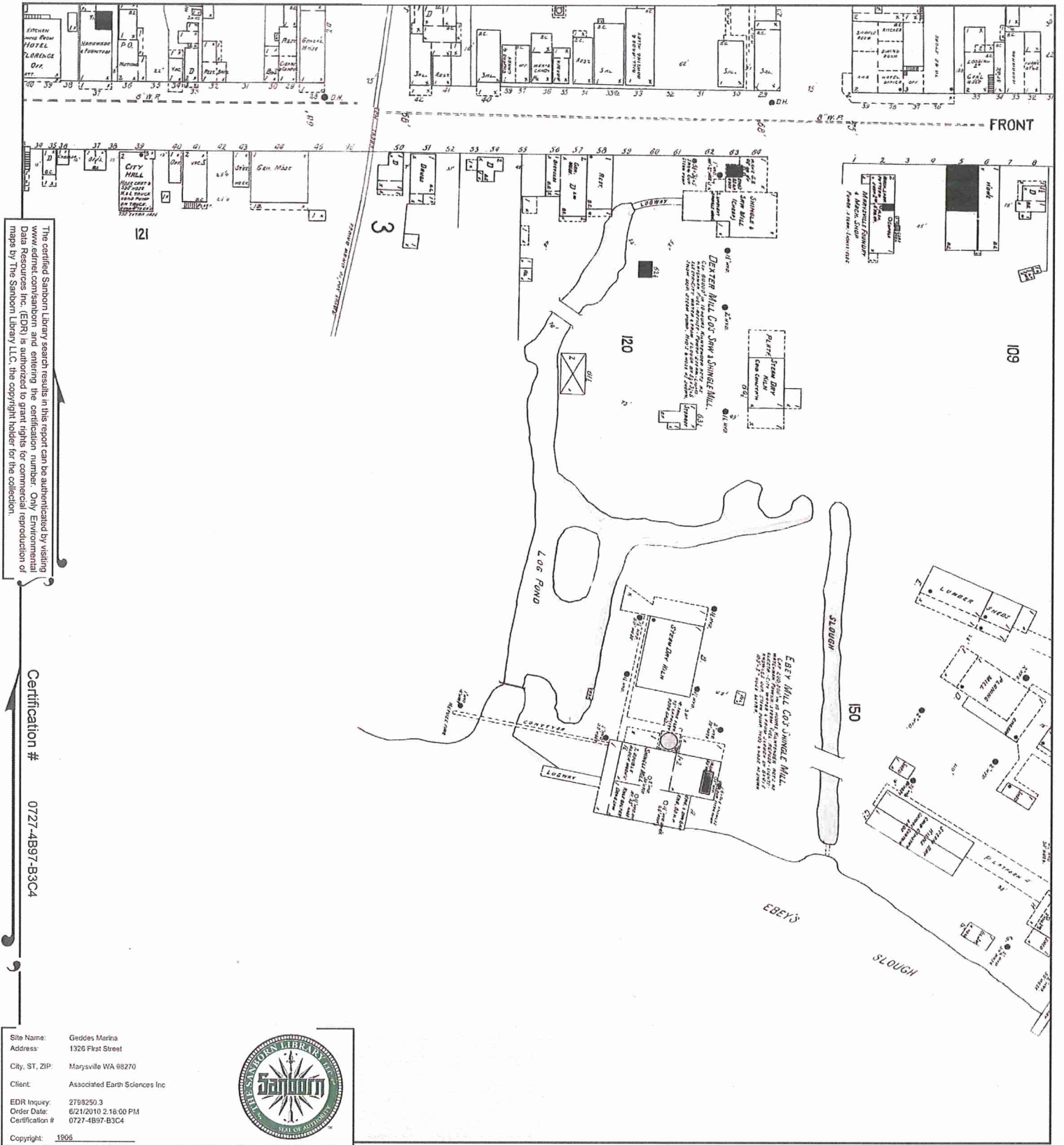
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- Volume 1, Sheet 7
- Volume 1, Sheet 8
- Volume 1, Sheet 4




1906 Certified Sanborn Map



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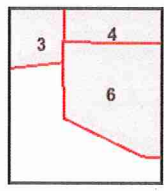
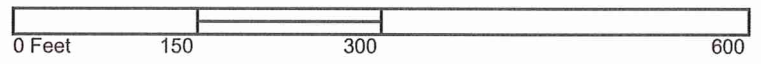
Certification # 0727-4B97-83C4

Site Name: Geddes Marina
 Address: 1320 First Street
 City, ST, ZIP: Marysville WA 98270
 Client: Associated Earth Sciences Inc
 EDR Inquiry: 2789250.3
 Order Date: 6/21/2010 2:16:00 PM
 Certification # 0727-4B97-83C4



Copyright: 1906

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- Volume 1, Sheet 3
- Volume 1, Sheet 4
- Volume 1, Sheet 6



Geddes Marina

1326 First Street
Marysville, WA 98270

Inquiry Number: 2798250.6
June 23, 2010

The EDR-City Directory Abstract

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

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City Directory Report. Three important enhancements have been made to the EDR City Directory Abstract:

1. *Executive Summary.* The report begins with an Executive Summary that lists the sources consulted in the preparation of the report. Where available, a parcel map is also provided within the report, showing the locations of properties researched.
2. *Page Images.* Where available, the actual page source images will be included in the Appendix, so that you can review them for information that may provide additional insight. EDR has copyright permission to include these images.
3. *Findings Listed by Location.* Another useful enhancement is that findings are now grouped by address. This will significantly reduce the time you need to review your abstracts. Findings are provided under each property address, listed in reverse chronological order and referencing the source for each entry.

Options for Selecting Adjoining Properties. Ensuring that the right adjoining property addresses are searched is one of the biggest challenges that environmental professionals face when conducting city directory historical research. EDR's new enhancements make it easier for you to meet this challenge. Now, when you place an order for the EDR City Directory Abstract, you have the following choices for determining which addresses should be researched.

1. *You Select Addresses and EDR Selects Addresses.* Use the "Add Another Address" feature to specify the addresses you want researched. Your selections will be supplemented by addresses selected by EDR researchers using our established research methods. Where available, a digital map will be shown, indicating property lines overlaid on a color aerial photo and their corresponding addresses. Simply use the address list below the map to check off which properties shown on the map you want to include. You may also select other addresses using the "Add Another Address" feature at the bottom of the list.
2. *EDR Selects Addresses.* Choose this method if you want EDR's researchers to select the addresses to be researched for you, using our established research methods.
3. *You Select Addresses.* Use this method for research based solely on the addresses you select or enter into the system.
4. *Hold City Directory Research Option.* If you choose to select your own adjoining addresses, you may pause production of your EDR City Directory Abstract report until you have had a chance to look at your other EDR reports and sources. Sources for property addresses include: your Certified Sanborn Map Report may show you the location of property addresses; the new EDR Property Tax Map Report may show the location of property addresses; and your field research can supplement these sources with additional address information. To use this capability, simply click "Hold City Directory research" box under "Other Options" at the bottom of the page. Once you have determined what addresses you want researched, go to your EDR Order Status page, select the EDR City Directory Abstract, and enter the addresses and submit for production.

Questions? Contact your EDR representative at 800-352-0050. For more information about all of EDR's 2009 report and service enhancements, visit www.edrnet.com/2009enhancements

EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Source</u>	<u>IP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
1990	Polk's City Directory	X	X	X	-
1986	Polk's City Directory	X	X	X	-
1981	Polk's City Directory	X	X	X	-
1976	Polk's City Directory	X	X	X	-
1971	Polk's City Directory	X	X	X	-
1966	Polk's City Directory	X	X	X	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

1326 First Street
Marysville, WA 98270

FINDINGS DETAIL

Target Property research detail.

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Geddes Marine Sales	Polk's City Directory
	Geddes Marine Service	Polk's City Directory
	Les Propeller Service	Polk's City Directory
1986	Geddes Marine Service	Polk's City Directory
1981	Geddes Marine Service	Polk's City Directory
1976	Geddes Marine Service (boat stge)	Polk's City Directory
1971	Geddes Marine Service	Polk's City Directory
1966	W M Geddes	Polk's City Directory

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

First Street

1218 First Street

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Welco Lumber Co	Polk's City Directory
1986	Welco Lumber Co	Polk's City Directory
1981	Welco Lumber Co	Polk's City Directory
1976	Welco Lumber Co	Polk's City Directory
1971	Welco Lumber Co	Polk's City Directory
1966	Welco Lumber Co - Div Of Garrett & Shafer Corp	Polk's City Directory

1223 First Street

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1976	Marysville Trailer Supplies	Polk's City Directory
1971	Maxs Trailer Sales	Polk's City Directory

1304 First Street

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Residential	Polk's City Directory
1986	Residential	Polk's City Directory
1981	Residential	Polk's City Directory
1976	Residential	Polk's City Directory
1971	Residential	Polk's City Directory
1966	Residential	Polk's City Directory

1305 First Street

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1966	Residential	Polk's City Directory

1308 First Street

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1971	Vacant	Polk's City Directory
1966	Residential	Polk's City Directory

FINDINGS

1318 First Street

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Denny Cummins (boat stge/dockage)	Polk's City Directory

1324 First Street

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	Geddes Marina (boat moorage)	Polk's City Directory
1981	Geddes Marina (boat moorage)	Polk's City Directory

1328 First Street

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1966	Delta Products Co (shingle mfrs)	Polk's City Directory

1404 First Street

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1981	D & R Cedar Inc (whol lbr)	Polk's City Directory
1976	D & R Cedar Inc (whol lbr)	Polk's City Directory
1971	D & R Cedar Inc	Polk's City Directory
1966	Weiser Lumber Co	Polk's City Directory

1408 First Street

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Baxters Auto Center Inc	Polk's City Directory
1986	Baxters Auto Center Inc	Polk's City Directory
1981	Baxters Auto Repair	Polk's City Directory
	Baxters Auto Supplies	Polk's City Directory
1976	Baxters Auto Repair	Polk's City Directory
1971	Baxters Auto Repair	Polk's City Directory
1966	Baxters Auto Repair	Polk's City Directory

1409 First Street

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Parking Lot	Polk's City Directory
1986	Marysville City Public Works & Utilities	Polk's City Directory
1981	Dept Of Public Works & Utilities	Polk's City Directory
1976	Marysville City Sanitation Dept	Polk's City Directory
	Marysville City Water & Sewer Dept	Polk's City Directory
1971	Marysville Water & Sewer Dept	Polk's City Directory
1966	Marysville Water & Sewer	Polk's City Directory

FINDINGS

1412 First Street

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1976	Residential	Polk's City Directory
1971	Residential	Polk's City Directory
1966	Residential	Polk's City Directory

1415 First Street

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	Parking Lot	Polk's City Directory
1986	Marysville City Water & Sewer (Pkg Lot)	Polk's City Directory
1981	Marysville City Water & Sewer (Pkg Lot)	Polk's City Directory
1976	Marysville City Water & Sewer (Pkg Lot)	Polk's City Directory
1971	Marysville Water & Sewer (Pkg Lot)	Polk's City Directory
1966	Johns Body Shop (auto body rpr)	Polk's City Directory

FINDINGS

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

<u>Address Researched</u>	<u>Address Not Identified in Research Source</u>
1218 First Street	No Years Found
1223 First Street	1966
1304 First Street	No Years Found
1305 First Street	No Years Found
1308 First Street	No Years Found
1318 First Street	1986, 1981, 1976, 1971, 1966
1324 First Street	1976, 1971, 1966
1328 First Street	No Years Found
1404 First Street	No Years Found
1408 First Street	No Years Found
1409 First Street	No Years Found
1412 First Street	No Years Found
1415 First Street	No Years Found

APPENDIX F

Site Photographs



Photograph of the northern portion of the subject site and boat supply store located along First Street. Viewing to the west.



Photograph of the 1326 First Street boat supply and outboard repair store. Viewing to the southeast.





Photograph of the northwestern portion of the subject property. Viewing to the southeast.



Photograph of the boat houses and marina portion of the subject property. Viewing to the southwest.





Photograph of the adjoining impounded vehicle lot located adjacent to the northwest portion of the subject property. Viewing to the northwest.

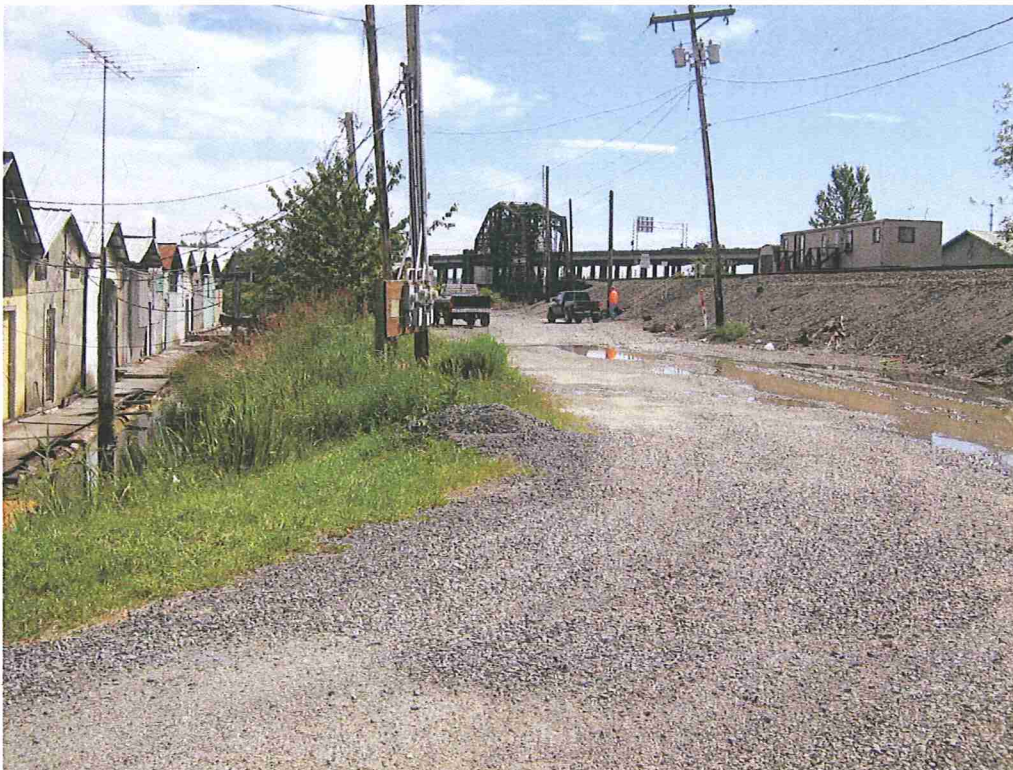


Representative photograph of boats moored in the marina portion of the subject property. Viewing to the southeast.





Photograph of debris piles observed on along the western boundary of the subject property.
Viewing to the west.



Photograph of the gravel road that runs along the western boundary of the subject property and railway line. Viewing to the south.





Photograph of the boathouses located in the marina on the western portion of the subject property. Viewing to the south.



Photograph of the boats moored in the central portion of the marina. Viewing to the south.





Photograph of the marina and boathouses located on the northwestern portion of the subject property.



Photograph of trailer and vehicles located on the western portion of the subject property, west of marina. Viewing to the northeast.





Photograph of the boat houses located on the eastern portion of the subject property.
Viewing to the northeast.



Photograph of a building materials debris pile located on the northwestern portion of the
subject property. Viewing to the southwest.





Photograph of the rented storage building located on the southern portion of the subject property.



Representative photograph of the boathouses and marina located on the west-central portion of the subject property. Viewing to the northwest.





Photograph of the "prop shop" located on the southeastern portion of the subject property. Viewing to the south.



Photograph of the eastern portion of the subject property and paved access road along the eastern boundary of the site. Viewing to the north.





Photograph of vehicles located on the northeastern portion of the subject property.
Viewing to the west-northwest.

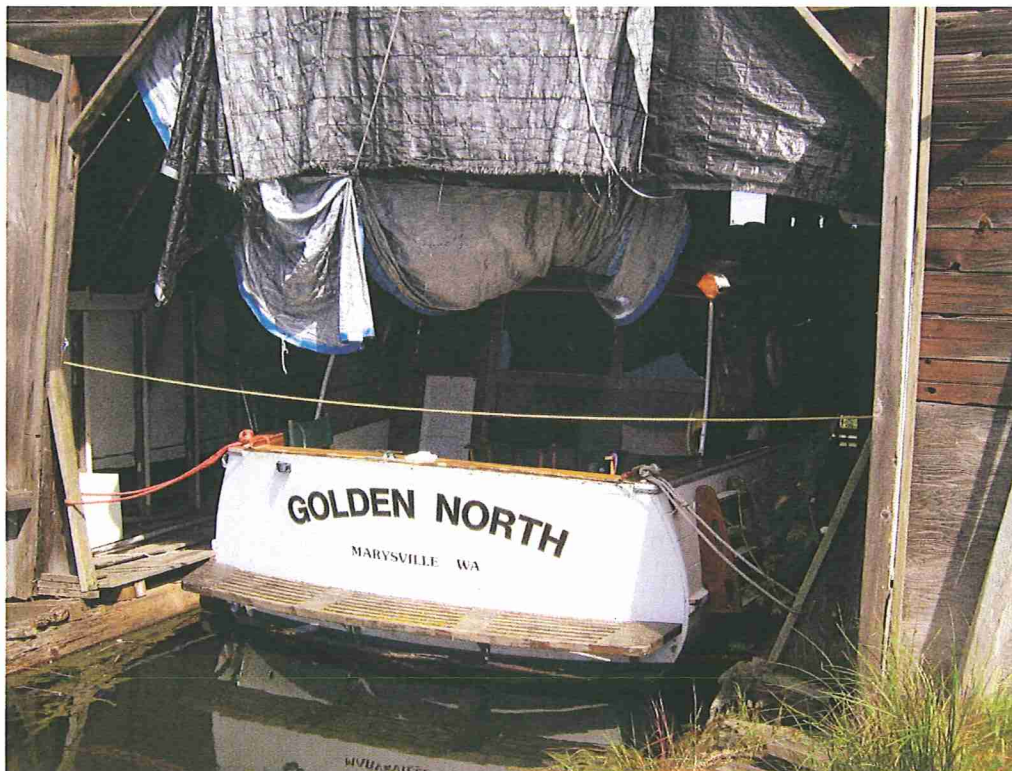


Photograph of boat moving equipment located along the southern portion of the subject property adjacent to Ebey's Slough. Viewing to the southwest.





Photograph of crane and southeastern portion of subject property. Viewing to the south.



Representative photograph of a boathouse and contents, located on the southeastern portion of the subject property. Viewing to the northeast.





Photograph of the storage/work area located behind the "prop shop" building located on the southern portion of the subject property.



Photograph of the boat storage and workshop buildings located on the central portion of the subject property. Viewing to the southwest.





Photograph of the Geddes Marine offices located on the northeast portion of the subject property. Viewing to the northwest.



Photograph of the northeast portion of the subject property and entrance from First Street. Viewing to the northeast.





Photograph of the interior of the shop portion of the boat store, note minor staining across concrete floor. Viewing to the northwest.



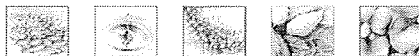
Representative photograph of the workshop portion of the boat supply store. Viewing the southwest.



APPENDIX G

Resumes of Environmental Professionals

Associated Earth Sciences, Inc.



Celebrating Over 25 Years of Service

Jon N. Sondergaard, L.G., L.E.G., Principal Geologist

Experience

Mr. Sondergaard has over 27 years of experience as a practicing consulting geologist and has a wide variety of experience on environmental projects. Mr. Sondergaard is knowledgeable in the application of Washington's Model Toxic Control Act (MTCA) and Dangerous Waste regulations, and has performed Risk Based Corrective Action (RBCA) analyses. Mr. Sondergaard has prepared project Health and Safety Plans and sampling and analysis plans, performed Phase I, Phase II, and Phase III ESAs and risk-based corrective action plans, prepared remedial investigation/feasibility studies, designed remediation systems for soil and ground water, and prepared Operations and Maintenance Plans for monitoring remedial system effectiveness. Mr. Sondergaard has also designed and implemented ground water pump tests and is experienced at interpreting the results of these tests. Mr. Sondergaard is familiar with many types of remedial technologies including cold mix asphalt treatment, soil vapor extraction and bioremediation, and air stripping and in situ air sparging for water.



Technical Expertise

- Ground Water Monitoring
- Ground Water Remediation
- Health & Safety Plans
- Hydrogeologic Assessments
- Phase I, II, and III ESAs
- Regulatory Compliance
- Project Closure Reports
- Remedial Investigation
- Feasibility Studies
- Remediation
- Remediation Monitoring
- Soil Remediation
- UST Site Assessments
- Voluntary Cleanup Program Applications
- Contaminant Fate & Transport

Education

M.S., Geology
Western Washington University

B.S., Geology
Washington State University

Professional Associations

Northwest Geological Society

Registration/Licenses

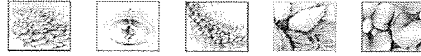
Registered Professional Geologist (L.G.)
States of Alaska, Idaho, Oregon, and
Washington

Licensed Professional Engineering
Geologist (L.E.G.)
State of Washington

Project/Client

- Lakeland Hills, Curran Custom Homes
- College Place Rockery, Carpitino-Goodwin
- Glacier Park, CJ Construction
- Fifth & Bell - Touchstone Corporation
- Marina Mart - JRL Properties
- Northgate Office & Parking Complex, Touchstone Corporation
- Thorndyke Elementary, Tukwila School District No. 406
- Proposed New Elementary School - Kent School District No. 415
- White Center Heights Elementary - Highline School District No. 401
- Everett School District Maintenance Facility - Everett School District No. 2
- Fulmer Hall - Washington State University
- Northshore Senior Center - Northshore Parks & Recreation Service Area

Associated Earth Sciences, Inc.

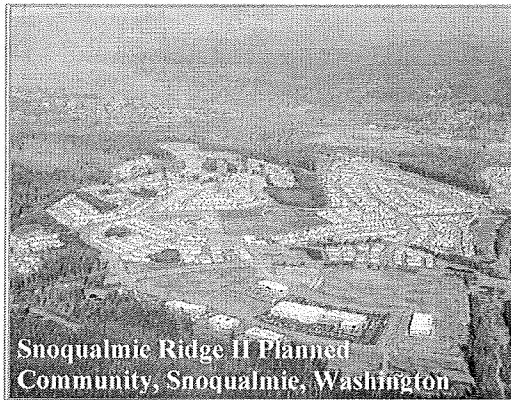


Celebrating Over 25 Years of Service

Michael S. August, Senior Staff Geologist

Experience

Mr. August has worked as a consulting geologist in the Northwest since 2005. His environmental experience includes performing Phase I and Phase II Environmental Site Assessments, soil and groundwater sample collection, underground storage tank assessment and removal projects, asbestos and lead-based paint surveys, and various remedial investigations. He has project experience that includes the evaluation and analysis of subsurface conditions for geotechnical engineering and environmental reports, including the implementation of subsurface exploration programs, analytical laboratory testing, and report preparation.



Technical Expertise

- Ground Water Monitoring
- Phase I Environmental Site Assessments
- Phase II Environmental Site Assessments
- Asbestos and Lead-Based Paint Sampling
- Project Closure Reports
- HAZWOPER Certified
- UST Site Assessments

Education

M.S., Geology
University of Idaho (in progress)

B.S., Geology
Central Washington University

Professional Associations

Northwest Geological Society

National Ground Water Association

Registration/Licenses

HAZWOPER 40-Hour Certification

EPA AHERA Certified Asbestos Building
Inspector

Railroad Safety Orientation

Project/Client

- Proposed Memorial Stadium Administration Building
Everett School District – Everett, Washington
- Phase I ESA - Residential Property
Lynnwood, Washington
- Villages at Black Diamond – BD Villages, LP
Black Diamond, Washington
- Snoqualmie Ridge II Planned Community – Quadrant Homes
Snoqualmie, Washington

Associated Earth Sciences, Inc.



Celebrating Over 25 Years of Service

June 25, 2010
Project No. KV080118A

City of Marysville
c/o Weed, Graafstra & Benson, P.S.
21 Avenue A
Snohomish, Washington 98290

Attention: Mr. Grant Weed

Subject: Phase II Environmental Site Assessment
Geddes Marina
1326 First Street
Marysville, Washington

Dear Mr. Weed:

This letter-report presents the results of our Phase II Environmental Site Assessment (Phase II ESA) at the Geddes Marina site in Marysville, Washington. The site location is shown on the "Vicinity Map," Figure 1. The Phase II ESA work includes the completion of shallow exploration excavations, completion of exploration borings, marine sediment collection, and collection of ground water samples. Selected soil, marine sediment, and ground water samples from our explorations were submitted for chemical analysis.

SITE AND PROJECT DESCRIPTION

The property is located south of First Street in Marysville, Washington (Figure 1). As depicted on the "Site and Exploration Plan," Figure 2, the site is roughly rectangular in shape with its long dimension oriented approximately north to south. The site encompasses an area of approximately 4.73 acres. The site consists of an existing marina facility. The marina consists of a roughly rectangular body of water (boat basin) that is connected to storm water flow from a culvert at the facility's north end and to the Snohomish River at the facility's south end. Gravel covered and partially paved drive and parking areas surround the central boat basin of the marina on all four sides. Within the boat basin there are numerous floating

Kirkland ▪ Everett ▪ Tacoma
425-827-7701 425-259-0522 253-722-2992

www.aesgeo.com

boathouses and docks. There are also numerous boats tied up within the marina, some to the docks and some within the boathouses. There are several shore-based boathouses, warehouses, and marine-related repair facilities east and northeast of the boat basin. There is a strip of tidelands and docks supporting several boathouses and boats between the marina property and the Snohomish River, to the south. An elevated Burlington Northern railroad embankment, supporting one set of tracks, is to the west of the property. A City of Marysville park, including paved parking, paved drives, a boat launch, and restroom facilities, is to the east of the site. A retail mall is located across First Street to the north of the site. Topographic gradient of the site appears to be less than approximately 5 percent, except at the water's edge and at the base of the railroad embankment. Total vertical relief across the site appears to be approximately 3 to 5 feet based on field estimates. No surveyed topographic data was available at the time this letter-report was written.

PURPOSE AND SCOPE

The purpose of this study was to assess whether the soil (terrestrial), sediment (marine), or ground water may have been impacted by previous or ongoing activities on the subject site and adjacent properties. For the purposes of this study, soil is considered the unconsolidated materials above bedrock that are not below surface water; sediment is considered the unconsolidated materials above bedrock that are below surface water; and ground water is the free water below the surface of the soil. The approximate locations of the subsurface explorations and sampling locations are depicted on the "Site and Exploration Plan," Figure 2. Analytical testing was conducted on selected soil, sediment, and ground water samples by a subcontracted analytical laboratory.

SAMPLE COLLECTION AND ANALYTICAL RESULTS

General

Soil samples from on-shore, terrestrial borings and hand-auger explorations were collected in August and September of 2008. Off-shore marine sediment samples were collected from the boat basin in September of 2008. In addition to the soil and sediment samples, ground water samples were also collected. The ground water samples were collected in August and September 2008. The approximate locations of the sampling explorations are shown on the "Site and Exploration Plan," Figure 2. Logs of the exploration borings EB-1 through EB-7 are included in Appendix A. Logs were not compiled for the hand-auger borings, HA-1 through HA-14, or for the off-shore sediment sampling S-1 through S-8 due to their shallow nature.

All soil, sediment, and ground water samples collected for chemical analysis were placed in appropriate sample containers supplied by the laboratory. Each container was labeled with the site name, date, time, and sample number. Sample containers were placed in a chilled cooler immediately after sampling, and subsequently transported to the analytical laboratory by Associated Earth Sciences, Inc. (AESI) or laboratory personnel under chain-of-custody procedures.

Soil Samples

Hand-Auger Soil Sampling

Fourteen soil samples were collected from shallow hand-auger explorations in August and September of 2008. The hand-auger sampling was conducted by geologists from AESI. The hand-auger samples were obtained between 0.5 and 1.0 feet below the existing ground surface. The hand-auger and sampling equipment were cleaned prior to beginning the project and before beginning each hand-auger boring. Sampling equipment was cleaned and decontaminated using an Alconox[®] wash and distilled water prior to the beginning of the project and before collecting each soil sample. All fluids used during on-site decontamination of the sampling equipment were contained and left on-site in a sealed container. Samples were handled by disposable Nitrile gloves and a fresh pair was used for each sample. All soil samples were extracted by hand from the excavations using the disposable gloves and/or with stainless steel sampling tools that were also cleaned and decontaminated prior to each use. The soil samples were placed directly into laboratory-supplied glassware.

Exploration Boring (Probe) Soil Sampling

Deep subsurface soil sampling was conducted in August and September of 2008. This deep soil sampling was conducted at seven locations across the site using truck-mounted, direct-push probe equipment provided by Environmental Services Network (ESN) of Olympia, Washington who was subcontracted to AESI. The probe rig utilized a 2-inch-diameter, steel sampler containing disposable plastic sample tubing. Throughout the drilling operation, soil samples were obtained from the sampler at continuous, approximately 4-foot intervals. The probe rig advanced the sampler to depths of approximately 12 to 15 feet below the existing surface. The sampler with its internal plastic sample tubing was extracted from the hole and split open on-site. The relative density of granular soils and the relative consistency of cohesive soils were estimated by geologists from our firm based upon the observation of the resistance to pushing the probe. Drilling equipment was cleaned and decontaminated using a high pressure washer prior to beginning the project and before beginning each soil boring. Sampling equipment was cleaned using an Alconox[®] wash and potable water prior to the beginning of the project and before collecting each soil sample. All fluids used during on-site decontamination of the sampling equipment were contained and left on-site in a sealed container.

Separate, disposable lengths of internal plastic tubing were used for each sample. All soil samples were extracted by hand from the plastic sample tubes using the disposable gloves and/or with stainless steel sampling tools that were also cleaned and decontaminated prior to each use. The soil samples were placed directly into laboratory-supplied glassware. One soil sample from each probe was submitted for laboratory analysis. In general, soil samples were selected for analysis because of their proximity to the top of the water table, from intervals exhibiting obvious olfactory or visual indications of contamination, or based on the geologist's professional judgment. Soil cuttings generated during the probe activities were placed in a steel drum, closed, and left on-site for subsequent characterization and disposal.

Off-Shore (Marine) Sediment Sampling

Off-shore (marine) sediment sampling in the boat basin was conducted in September of 2008. This sediment sampling was conducted at eight locations within the boat basin. A 2-inch-diameter, steel piston sampler containing a disposable plastic sample tube was used at each sediment sample location. The sediment samples were obtained from approximately 18 to 30 inches below the top of the sediment. The sampler was dropped from either a boat or from the docks within the marina by a geologist from our firm. The weight of the device drove the sampler to the above-stated depths into the sediment. The sampler, with its internal plastic sample tube, was extracted from the sediment and split open on-site. Separate, disposable lengths of plastic tubing were used for each sample. The remaining sampling equipment was cleaned and decontaminated prior to beginning the project and before beginning each sampling drop. Sampling equipment was cleaned using an Alconox[®] wash and distilled water prior to the beginning of the project and before collecting each soil sample.

All sediment samples were extracted by hand from the plastic sample tubes using disposable gloves and/or with stainless steel sampling tools that were also cleaned and decontaminated prior to each use. The sediment samples were placed directly into laboratory-supplied glassware and were submitted for laboratory analysis.

Ground Water Sampling

Ground water samples were obtained from the deep probes in August and September of 2008. The ground water samples were obtained from small-diameter temporary wells installed by ESN during probing. The wells were removed following ground water extraction. The water samples were collected utilizing low-flow sampling techniques and a peristaltic pump with dedicated disposable tubing for each well and a stainless steel screen section. The screen section was decontaminated prior to use at each ground water sampling location. Discharge from the peristaltic pump was directed into sample containers supplied by the laboratory.

Analytical Results

The results of the analyses are discussed below by the various types of soil media and ground water. The results are also depicted on Plates 1 through 3, summarized in Tables 1 through 6 and the laboratory test certificates attached to this letter-report.

Analytical Results (Terrestrial Soil)

Petroleum Hydrocarbons as Diesel and Motor Oil Analysis

Soil samples (terrestrial) were collected from each of the 14 shallow hand-auger explorations (HA-1 through HA-14) and the 7 deep probe borings (EB-1, 5 feet; EB-2, 3 feet; EB-3, 5 feet; EB-4, 5.5 feet; EB-5, 6 feet; EB-6, 5.5 feet; and EB-7, 5 feet). All of the soil samples were submitted to Friedman & Bruya, Inc. of Seattle, Washington (FBI) for analysis for Petroleum Hydrocarbons as Diesel and Motor Oil using Method NWTPH-Dx.

The Diesel analysis for soil samples EB-1, 5 feet; HA-2; and HA-9 had detectable concentrations of Diesel that are below the Model Toxics Control Act (MTCA) Method A Cleanup Levels. The remainder of the soil samples analyzed for Diesel had concentrations below the method detection limit.

The Motor Oil analysis for soil sample EB-6, 5.5 feet had a detectable concentration of Motor Oil that is below the MTCA Method A Cleanup Level. The remainder of the soil samples analyzed for Motor Oil had concentrations below the method detection limit.

The results of the above analyses are summarized in Table 1.

BTEX and Gasoline Analysis

Soil samples were also submitted to FBI for analysis for Benzene, Toluene, Ethylbenzene, and Xylene (BTEX), and Gasoline using Method 8021 B and NWTPH-Gx. All of the soil samples analyzed for BTEX and Gasoline had concentrations below the method detection limit. The results are summarized in Table 1.

Metals Chromium, Arsenic, Cadmium, Lead, Nickel, Copper, and Zinc Analysis

All of the soil samples analyzed except samples EB-4, 5.5 feet; EB-6, 5.5 feet; and EB-7, 5 feet were submitted to FBI for analysis for the metals Chromium, Arsenic, Cadmium, Lead, Nickel, Copper, and Zinc using EPA Method 200.8. Most of the samples analyzed for the above metals exhibited detectable concentrations of these metals. Only Chromium, Arsenic, Cadmium, and Lead have established MTCA Method A Cleanup Levels. Soil samples EB-3, 5 feet; HA-2; HA-7; HA-8; HA-10; and HA-13 exhibited Arsenic concentrations above the

MTCA Method A Cleanup Level. Soil samples HA-1, HA-4, and HA-13 exhibited Cadmium concentrations above the MTCA Method A Cleanup Level. Soil sample HA-10 exhibited a lead concentration above the MTCA Method A Cleanup Level. The remaining soil samples that were analyzed for these metals either had concentrations below the method detection limit or had concentrations of metals without an established MTCA Method A Cleanup Level. Copper and Zinc have MTCA Method B Cleanup Levels. All samples analyzed were below the MTCA Method B Cleanup Levels for copper and zinc. The results are summarized in Table 1.

Metals Selenium, Silver, and Barium Analysis

Soil samples EB-5, 6 feet; HA-11; HA-12; HA-13; and HA-14 were also submitted to FBI for analysis for the metals Selenium, Silver, and Barium using EPA 200.8. The soil samples analyzed for Selenium and Silver had concentrations below the method detection limit. The soil samples that were analyzed for Barium exhibited detectable concentrations of the metal below the MTCA Method B Cleanup Level. The results are summarized in Table 1.

Mercury Analysis

All of these soil samples except EB-4, 5.5 feet; EB-5, 6 feet; EB-6, 5.5 feet; and EB-7, 5 feet were submitted to FBI for analysis for the metal Mercury using Method 1631E. Soil samples HA-2, HA-4, and HA-10 had detectable concentrations of Mercury that were below the MTCA Method A Cleanup Level. The remainder of the soil samples analyzed for Mercury had concentrations below the method detection limit. The results are summarized in Table 1.

Semi-Volatile Compounds (Polynuclear Aromatic Hydrocarbons) Analysis

Soil samples EB-5, 6 feet; HA-11; HA-12; HA-13; and HA-14 were submitted to FBI for analysis for semi-volatile compounds (Polynuclear Aromatic Hydrocarbons or PAH) Naphthalene, Acenaphthylene, Acenaphthene, Florene, Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benz(a)anthracene, Chrysene, Benzo(b)fluoranthene, Ben(k)fluoranthene, Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, and Benzo(g,h,i)perylene using EPA Method 8270 SIM.

Soil sample EB-5, 6 feet had a Benzo(a)pyrene concentration above the MTCA Method A Cleanup Level. This sample also exhibited a total carcinogenic PAH concentration above the MTCA Method A Cleanup Level of 0.1 parts per million (ppm). The remaining soil samples that were analyzed for these compounds either had concentrations below the detection limit or had concentrations of compounds without an established MTCA Method A Cleanup Level. The results are summarized in Table 2.

The laboratory test certificates for the above soil sample analyses are included in Appendix B.

Analytical Results (Marine Sediment)

Petroleum Hydrocarbons as Diesel and Motor Oil Analysis

Marine sediment samples were collected from each of the eight shallow sediment explorations (S-1 through S-8). All of these sediment samples were submitted to FBI for analysis for Petroleum Hydrocarbons as Diesel and Motor Oil using Method NWTPH-Dx.

The Diesel analysis for sediment samples S-1 through S7 all had detectable concentrations (250 ppm to 4,700 ppm) concentrations of petroleum hydrocarbons. The laboratory has preliminarily indicated that these results are more likely representative of creosote than Diesel though creosote was not specifically analyzed. The sediment sample S-8 had a Diesel concentration below the method detection limit.

The Motor Oil analysis for sediment samples S-1 through S7 all had detectable concentrations (1,300 ppm to 18,000 ppm) of petroleum hydrocarbons. The laboratory has preliminarily indicated that these results are more likely representative of creosote than Diesel though creosote was not specifically analyzed. The sediment sample S-8 had a Motor Oil concentration below the method detection limit.

There is no established marine sediment quality standard (“173-204 WAC Marine Sediment Quality Standards”) for Diesel or Motor Oil in marine sediment. According to the Washington State Department of Ecology, the marine sediment quality standard for hydrocarbons is site specific and, if the TPH concentrations are greater than 100 ppm, bioassays should be run to determine if the sediment meets the standard. Three bioassays are required: larval, amphipod, and polychaete. These bioassays have not been assigned or completed at the time this letter-report was prepared.

The results of the above analyses are summarized in Table 3.

BTEX and Gasoline Analysis

All of the sediment samples were submitted to FBI for analysis for BTEX and Gasoline using Method 8021 B and NWTPH-Gx. All of the sediment samples analyzed for BTEX and Gasoline had concentrations below the detection limit. The results are summarized in Table 3.

Metals Chromium, Arsenic, Cadmium, Lead, Nickel, Copper, and Zinc Analysis

All of the sediment samples were submitted to FBI for analysis for the metals Chromium, Arsenic, Cadmium, Lead, Nickel, Copper, and Zinc using EPA 200.8. Most of the sediment samples analyzed for the above metals exhibited detectable concentrations of these metals. All of the sediment samples, except sample S-2, that were analyzed for these metals either

exhibited concentrations below the method detection limit or had concentrations of metals below the “173-204 WAC Marine Sediment Quality Standards.” The zinc concentration in sample S-3 was above the “173-204 WAC Sediment Quality Standards.” The results are summarized in Table 3.

Mercury Analysis

All of these sediment samples were submitted to FBI for analysis for the metal Mercury using Method 1631E. The sediment samples S-1, S-4, S-5, S-6, and S-8 had concentrations of Mercury that were below the method detection limit. The sediment samples S-3 and S-7 had detectable concentrations of Mercury that were below the “173-204 WAC Marine Sediment Quality Standards.” The sediment sample S-2 had a Mercury concentration above the “173-204 WAC Marine Sediment Quality Standards.” The results are summarized in Table 3.

Semi-Volatile Compounds (Polynuclear Aromatic Hydrocarbons) Analysis

Sediment samples S-1 through S-8 were submitted to FBI for analysis for semi-volatile compounds (Polynuclear Aromatic Hydrocarbons) Naphthalene, Acenaphthylene, Acenaphthene, Florene, Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benz(a)anthracene, Chrysene, Benzo(b)fluoranthene, Ben(k)fluoranthene, Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, and Benzo(g,h,i)perylene using EPA Method 8270 SIM.

To allow comparison of the PAH analyses to the “173-204 WAC Marine Sediment Quality Standards,” the results for PAH must be normalized for total organic carbon (TOC) if the TOC percent is in the range of 0.5 to 2.5. Samples S-1 through S-8 were analyzed for TOC and the results are presented in Table 4. All of the samples exhibited a TOC concentration greater than 2.5 percent so the dry weight values presented can be compared directly to the “173-204 WAC Marine Sediment Quality Standards” without normalizing. All of the PAH concentrations meet the “173-204 WAC Marine Sediment Quality Standards.”

The laboratory test certificates for the above sediment sample analyses are included in Appendix B.

Analytical Results (Ground Water)

Petroleum Hydrocarbons as Diesel and Motor Oil Analysis

Ground water samples were collected from each of the seven deep probe exploration borings (EB-1 through EB-7). All of the ground water samples were submitted to FBI for analysis for Petroleum Hydrocarbons as Diesel and Motor Oil using Method NWTPH-Dx.

The Diesel analysis for ground water samples EB-4 GW; EB-6 GW; and EB-7 GW had detectable Diesel concentrations that are below the MTCA Method A Cleanup Levels. The Diesel analysis for ground water samples EB-1 W and EB-5 GW had Diesel concentrations that are above the MTCA Method A Cleanup Levels. The remainder of the ground water samples analyzed for Diesel had concentrations below the method detection limit.

The Motor Oil analysis for ground water samples EB-6 GW and EB-7 GW had detectable Motor Oil concentrations that are below the MTCA Method A Cleanup Levels. The Motor Oil analysis for ground water sample EB-5 GW had a concentration that is above the MTCA Method A Cleanup Level. The remainder of the ground water samples analyzed for Motor Oil had concentrations below the method detection limit.

The results of the above analyses are summarized in Table 5.

BTEX and Gasoline Analysis

All of the ground water samples were submitted to FBI for analysis for BTEX and Gasoline using Method 8021 B and NWTPH-Gx.

All of the ground water samples analyzed for BTEX and Gasoline had concentrations below the method detection limit except sample EB-6 GW. Ground water sample EB-6 GW had detectable concentrations of both Xylene and Gasoline that were below the MTCA Method A Cleanup Level. The results are summarized in Table 5.

Metals Analysis

All of the ground water samples were submitted to FBI for analysis for the metals Chromium, Arsenic, Cadmium, Lead, Nickel, Copper, and Zinc using EPA 200.8. Ground water samples EB-5 GW, EB-6 GW, and EB-7 GW had Chromium concentrations above the MTCA Method A Cleanup Level. All the ground water samples had Arsenic concentrations above the MTCA Method A Cleanup Level. Ground water sample EB-6 GW had a Cadmium concentration above the MTCA Method A Cleanup Level. Ground water samples EB-1 W, EB-4 GW, EB-5 GW, EB-6 GW, and EB-7 GW had Lead concentrations above the MTCA Method A Cleanup Level.

The metals Copper, Zinc, Selenium, Barium, and Silver do not have MTCA Method A Cleanup Levels, but do have MTCA Method B Cleanup Levels. Sample EB-6 GW exhibited Copper and Barium concentrations above the MTCA Method B Cleanup criteria.

The remainder of the ground water samples analyzed for the above metals exhibited concentrations of these metals that are below the method detection limit, exhibited concentrations of these metals that are below the MTCA Method A or Method B Cleanup

Level, or in the case of Nickel, had detectable concentrations without any established MTCA Method A or Method B Cleanup Levels.

The results are summarized in Table 5.

Mercury Analysis

Ground water samples EB-4 GW, EB-5 GW, EB-6 GW, and EB-7 GW were submitted to FBI for analysis for the metal Mercury using Method 1631E. Ground water samples EB-4 GW, EB-5 GW, and EB-7 GW had concentrations of Mercury that were below the MTCA Method A Cleanup Level. Ground water sample EB-6 GW had a Mercury concentration that is above the MTCA Method A Cleanup Level.

The results are summarized in Table 5.

Semi-Volatile Compounds (Polynuclear Aromatic Hydrocarbons) Analysis

Ground water samples EB-4 GW, EB-5 GW, EB-6 GW, and EB-7 GW were submitted to FBI for analysis for semi-volatile compounds (Polynuclear Aromatic Hydrocarbons) Naphthalene, Acenaphthylene, Acenaphthene, Florene, Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benz(a)anthracene, Chrysene, Benzo(b)fluoranthene, Ben(k)fluoranthene, Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, and Benzo(g,h,i)perylene using EPA Method 8270 SIM. All the ground water samples that were analyzed for these compounds had concentrations below the method detection limits except for EB-5 GW and EB-6 GW. Ground water sample EB-5 GW had a detectable concentration of Benzo(b)fluoranthene. Ground water sample EB-6 GW had a detectable concentration of Naphthalene. Both detections are below the MTCA Method A Cleanup Level.

The results are summarized in Table 6.

The laboratory test certificates for the aboveground water sample analyses are included in Appendix B.

SUMMARY

Terrestrial Soil

Metals

- Soil samples EB-3, 5 feet; HA-2; HA-7; HA-8; HA-10; and HA-13 exhibited Arsenic concentrations above the MTCA Method A Cleanup Level. Soil samples HA-1, HA-4,

and HA-13 exhibited Cadmium concentrations above the MTCA Method A Cleanup Level. Soil sample HA-10 exhibited a Lead concentration above the MTCA Method A Cleanup Level.

Semi-Volatile Compounds (PAHs)

- Soil sample EB-5, 6 feet had a Benzo(a)pyrene concentration above the MTCA Method A Cleanup Level.

Marine Sediment

Metals

- Sediment sample S-3 had a Zinc concentration above the “173-204 WAC Marine Sediment Quality Standards.”
- The sediment sample S-2 had a Mercury concentration above the “173-204 WAC Marine Sediment Quality Standards.”

Ground Water

Hydrocarbons

- The Diesel analysis for ground water samples EB-1 W and EB-5 GW had detectable Diesel concentrations that are above the MTCA Method A Cleanup Levels.
- The Motor Oil analysis for ground water sample EB-5 GW had a concentration that is above the MTCA Method A Cleanup Level.

Metals

- Ground water samples EB-5 GW, EB-6 GW, and EB-7 GW had Chromium concentrations above the MTCA Method A Cleanup Level.
- All the ground water samples had Arsenic concentrations above the MTCA Method A Cleanup Level.
- Ground water sample EB-6 GW had a Cadmium concentration above the MTCA Method A Cleanup Level.
- Ground water samples EB-1 W, EB-4 GW, EB-5 GW, EB-6 GW, and EB-7 GW had Lead concentrations above the MTCA Method A Cleanup Level.

- Ground water sample EB-6 GW exhibited copper and barium concentrations above the MTCA Method B Cleanup Level.

PRELIMINARY COST ANALYSIS

Based on the results of this Phase II ESA, the subject property exhibits the following contamination above the MTCA Method A Cleanup criteria and the “WAC 173-204 Marine Sediment Quality Standards”:

1. Upland soils generally contain Arsenic concentrations greater than the MTCA Method A Cleanup criterion of 20 ppm. They also contain scattered Cadmium and CPAH concentrations above their respective MTCA Method A Cleanup criterion.
2. Shallow ground water beneath the site generally exhibits total Arsenic concentrations above the MTCA Method A Cleanup criterion of 5 parts per billion (ppb). In addition, shallow ground water in the southeast corner of the property exhibits concentrations of Petroleum Hydrocarbons, total Lead, and Chromium, and scattered concentrations of Mercury, Chromium, and Cadmium above the MTCA Method A Cleanup criterion.
3. Marine sediments contained within the boat basin exhibit elevated concentrations of Petroleum Hydrocarbons and CPAH concentrations that exceed the “WAC 173-204 Marine Sediment Quality Standards.”

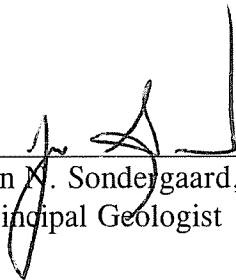
Preparation of a Cleanup Action Plan (CAP) would be required to fully evaluate potential remedial options in order to recommend the most applicable methodology. For this preliminary cost analysis, we have assumed that some form of capping and continued ground water monitoring would be the most practical and cost-effective remedial option. This methodology was chosen because Ecology has accepted capping as an effective way of isolating and mitigating elevated metal concentrations in soil and because it is likely that the shallow ground water beneath the site is not potable and would be exempt from remediation (WAC 173-340-720[2]) provided it was not a threat to marine life. Also at this time, it is not known what the ultimate end use of the property will be. This analysis assumes it would be recreational, but the ultimate determined end use could also impact the type of methodology used and the cost of the remediation.

For this preliminary cost analysis, four different remedial scenarios were evaluated:

1. Remove and replace 2 feet of upland soil and cap the basin with 2 feet of soil.
2. Asphalt pave the upland area and cap the basin with 2 feet of soil.
3. Cap the entire site with 2 feet of soil.
4. Cap only the upland area with 2 feet of soil.

The results of the preliminary cost analysis are summarized in Table 7. Estimated costs range from \$718,800 to \$2,731,200 with the least expensive being only capping the upland area and the most expensive being removing and replacing 2 feet of upland soil and capping the basin with 2 feet of soil. The difference in cost between capping the whole site (\$800,400) and just capping the upland area was \$81,200.

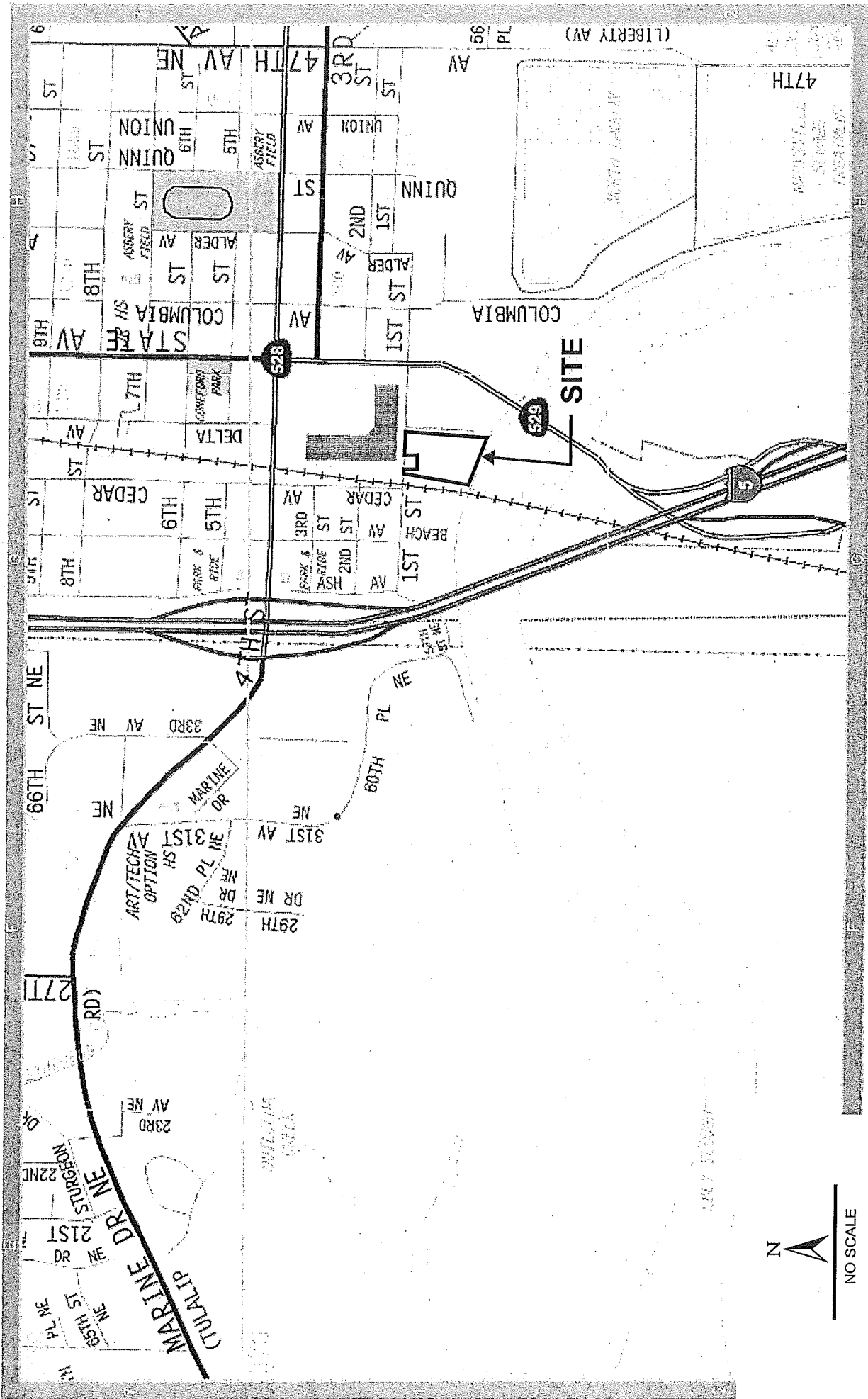
Sincerely,
ASSOCIATED EARTH SCIENCES, INC.
Kirkland, Washington



Jon N. Sondergaard, L.G., L.E.G.
Principal Geologist

Attachments:

- Figure 1: Vicinity Map
- Figure 2: Site and Exploration Plan
- Plate 1: Analytical Test Results – Terrestrial Soil
- Plate 2: Analytical Test Results – Marine Sediment
- Plate 3: Analytical Test Results – Ground Water
- Appendix A: Exploration Logs
- Appendix B: Laboratory Analytical Data
- Table 1: Geddes Marina Analytical Test Results for Diesel, Motor Oil, BTEX, and Metals in Terrestrial Soil (ppm)
- Table 2: Geddes Marina Analytical Test Results for Semi-Volatile Compounds in Terrestrial Soil Samples (ppm)
- Table 3: Geddes Marina Analytical Test Results for Diesel, Motor Oil, BTEX, and Metals in Marine Sediments (Soil) (ppm)
- Table 4: Analytical Test Results for Semi-Volatile Compounds in Marine Sediment (Soil) Samples (ppm)
- Table 5: Analytical Test Results for Diesel, Motor Oil, BTEX, and Metals in Ground Water (ppb)
- Table 6: Analytical Test Results for Semi-Volatile Compounds in Ground Water Samples (ppb)
- Table 7: Preliminary Cost Estimate for Remediation



NO SCALE

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VICINITY MAP
 GEDDES MARINA PHASE II
 MARYSVILLE, WASHINGTON

FIGURE 1

DATE: 10/08

PROJ. NO. KV080118A



Legend

- ⊕ Exploration Boring
- Hand Auger Exploration
- ⬠ Sediment_Samples
- Approximate Subject Property Boundary



Reference: parcel outlines, waterbodies, Snohomish County GIS Center, acquired 2-08; Aerial photograph acquired from USGS Seamless Dataserver, 8-08

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SITE AND EXPLORATION PLAN

**GEDDES MARINA
MARYSVILLE, WASHINGTON**

FIGURE 2

DATE 10/08

PROJ. NO. KV080118A



PROJECT NO.: K0080118A
 DATE: 11/08
 CHECKED BY: MSA
 DRAWN BY: MSA
 SHEET: 1 of 3

PLATE 1
ANALYTICAL TEST RESULTS - TERRESTRIAL SOIL
GEDDES MARINA
MARYSVILLE, WASHINGTON

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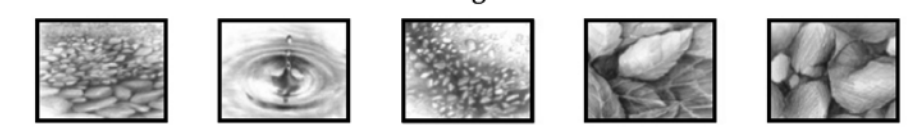


Reference: parcel outlines, waterbodies; Snohomish County GIS Center, acquired 2-08; Aerial photograph acquired from USGS Seamless Datacenter, 8-08

PROJECT NO.:	KV080118A
DATE:	11/08
CHECKED BY:	MSA
DRAWN BY:	MSA
SHEET:	2 of 3

PLATE 2
ANALYTICAL TEST RESULTS - GROUNDWATER
GEDDES MARINA
MARYSVILLE, WASHINGTON

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Reference: parcel outlines, waterbodies; Snohomish County GIS Center, acquired 2-08; Aerial photograph acquired from USGS Seamless Datacenter, 8-08

DRAWN BY: MSA	CHECKED BY:	DATE: 11/08	PROJECT NO.: K0080118A
SHEET			
3 of 3			

PLATE 3
ANALYTICAL TEST RESULTS - MARINE SEDIMENT
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MARYSVILLE, WASHINGTON

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Table 1 Geddes Marina Analytical Test Results for Diesel, Motor Oil, BTEX, and Metals in Terrestrial Soil (ppm)

Sample ID	Media	Depth (feet)	Date Sampled	Diesel	Motor Oil	Chromium	Arsenic	Selenium	Silver	Cadmium	Barium	Lead	Mercury	Nickel	Copper	Zinc	BTEX	Gasoline
EB-1, 5ft	Soil	5	8/19/2008	590	<250	11.4	5.04	NA	NA	<1	NA	5.72	ND	14.1	11.9	19.5	ND	ND
EB-2, 3ft	Soil	3	8/19/2008	<50	<250	9.56	3.5	NA	NA	<1	NA	4.89	ND	13.9	10.1	17.8	ND	ND
EB-3, 5ft	Soil	5	8/19/2008	<50	<250	27.5	22.3	NA	NA	<1	NA	27.2	ND	29.9	41.1	49.8	ND	ND
EB-4 5.5'	Soil	5.5	9/12/2008	<50	<250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND
EB-5 6'	Soil	6	9/12/2008	<50	<250	28.4	15	<1	<1	<1	24	43.5	NA	27.8	45	42.1	ND	ND
EB-6 5.5'	Soil	5.5	9/12/2008	<50	750	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND
EB-7 5'	Soil	5	9/12/2008	<50	<250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND
HA-1	Soil	1	8/19/2008	<50	<250	63	9.28	NA	NA	60.5	NA	95	ND	149	204	848	ND	ND
HA-2	Soil	1	8/19/2008	84	<250	28.5	22	NA	NA	<1	NA	63.2	0.21	16.7	98.9	179	ND	ND
HA-3	Soil	1	8/19/2008	<50	<250	35	19.5	NA	NA	<1	NA	10.7	ND	19.6	41.3	39.4	ND	ND
HA-4	Soil	1	8/19/2008	<50	<250	29.2	13.5	NA	NA	3.42	NA	117	0.29	32.9	124	897	ND	ND
HA-5	Soil	1	8/19/2008	<50	<250	22.4	6.29	NA	NA	<1	NA	105	ND	8.85	47	29.5	ND	ND
HA-6	Soil	1	8/19/2008	<50	<250	11.2	2.42	NA	NA	<1	NA	14.8	ND	10.1	14.5	26.6	ND	ND
HA-7	Soil	1	8/19/2008	<50	<250	42.5	56.9	NA	NA	<1	NA	101	ND	19.9	111	73.6	ND	ND
HA-8	Soil	1	8/19/2008	<50	<250	30.4	21.1	NA	NA	<1	NA	16.9	ND	14.8	47.2	40.5	ND	ND
HA-9	Soil	1	8/19/2008	57	<250	30.1	16.3	NA	NA	<1	NA	30.9	ND	20.4	42.9	46.9	ND	ND
HA-10	Soil	1	8/19/2008	<50	<250	60.8	23.5	NA	NA	<1	NA	544	0.22	27.5	132	243	ND	ND
HA-11	Soil	0.5	9/12/2008	<50	<250	20.4	14.8	<1	<1	<1	87.4	26.4	ND	20.8	27.1	271	ND	ND
HA-12	Soil	0.5	9/12/2008	<50	<250	12.5	3.45	<1	<1	1.97	26.8	17.4	ND	20.8	35.9	135	ND	ND
HA-13	Soil	0.5	9/12/2008	<50	<150	11.7	25.8	<1	<1	4.09	35.9	41.7	ND	14.7	37.5	61.7	ND	ND
HA-14	Soil	0.5	9/12/2008	<50	<150	10.2	7.48	<1	<1	1.09	18.9	66.8	ND	9.95	75.7	133	ND	ND
MTCA Method A Cleanup Levels				2,000	2,000	2,000*	20	400**	400**	2	16000**	250	2		3000**	24000**		100

NOTES

ppm=parts per million

x=The pattern of peaks is not indicative of diesel

ND=below the detection level

*Based on Chromium III Clean Up Standard

Bold = Exceeds MTCA Method A Clean Up Standard

**=MTCA Method B Clean Up Criteria

Table 3 Geddes Marina Analytical Test Results for Diesel, Motor Oil, BTEX, and Metals in Marine Sediments (Soil) (ppm)															
Sample ID	Media	Depth (feet)	Date Sampled	Diesel	Motor Oil	Chromium	Arsenic	Cadmium	Lead	Zinc	Copper	Nickel	Mercury	BTEX	Gasoline
S-1	Soil	5	9/10/2008	650x	3,100	26	6.21	1.3	120	251	49.4	27	<0.2	ND	ND
S-2	Soil	3	9/10/2008	1,600x	5,700	36.5	15.5	1.94	376	276	55.8	29.5	0.44	ND	ND
S-3	Soil	5	9/10/2008	4,700x	18,000	65.9	17.2	3.73	302	471	129	50.5	0.31	ND	ND
S-4	Soil	5.5	9/10/2008	300x	1,500	35.9	20.7	<1	31.3	81.6	54.1	35.4	<0.2	ND	ND
S-5	Soil	6	9/10/2008	250x	1,300	54.1	19	<1	99.3	106	65.5	42.4	<0.2	ND	ND
S-6	Soil	5.5	9/10/2008	690x	3,400	42.2	17.9	<1	64.7	105	61.5	36.4	<0.2	ND	ND
S-7	Soil	5	9/10/2008	420x	2,000	45.2	16.2	<1	110	153	91.3	36.8	0.22	ND	ND
S-8	Soil	1	9/10/2008	<50	<250	41	17.4	<1	16.5	57.4	49.2	50	<0.2	ND	ND
173-204 WAC Sediment Quality Standards				see below*	see below*	260	57	5.1	450	410	390		0.41		

NOTES

ppm=parts per million

ND=Below the detection level

x=The pattern of peaks present is not indicative of diesel

Bold = Exceeds 173-204 Sediment Quality Standard

*The Marine Sediment Quality Standard for Total Petroleum Hydrocarbons is determined on a site specific basis based on bioassay testing.

Table 5 Analytical Test Results for Diesel, Motor Oil, BTEX, and Metals in Ground Water (ppb)

Sample ID	Media	Depth (feet)	Date Sampled	Diesel	Motor Oil	Chromium	Arsenic	Copper	Cadmium	Zinc	Lead	Selenium	Mercury	Barium	Nickel	Silver	BTEX	Gasoline
EB-1, W	Ground Water	5	8/19/2008	920x	<270	16.2	10.7	16.5	<1	35	26.2	NA	NA	NA	15.5	NA	ND	ND
EB-2, W	Ground Water	5	8/19/2008	<50	<250	17.1	23.5	16.7	<1	17.6	8.52	NA	NA	NA	17.8	NA	ND	ND
EB-3, W	Ground Water	5	8/19/2008	<50	<250	37.8	62	49.5	<1	47.6	9.27	NA	NA	NA	27.5	NA	ND	ND
EB-4 GW	Ground Water	2-3	9/12/2008	78x	<290	48	33.8	65.7	<5	79.3	79.9	35.1	0.2	331	49.6	<5	ND	ND
EB-5 GW	Ground Water	2-3	9/12/2008	7,000x	25,000	125	77.9	258	<5	271	188	20.3	0.29	372	117	<5	ND	ND
EB-6 GW	Ground Water	2-3	9/12/2008	87x	320	938	178	1,050	19	1,940	2,050	22.3	3	4,770	957	5.49	3*	160
EB-7 GW	Ground Water	2-3	9/12/2008	300x	490	89.5	44.2	118	<10	253	3,040	2.9	0.26	414	89	<10	ND	ND
MTCA Method A Clean-up level				500	500	50***	5	590**	5	4800**	15	80**	2	3200**		80**	1000	1000

NOTES:

ppb=parts per billion

ND=Below the detection level

x=The pattern of peaks is not indicative of diesel

NA=not analyzed

* = Xylene component was 3 parts per billion, no other analytes detected

**= MTCA Method B Clean Up Level

Bold=Above MTCA Method A Clean Up Level

***=MTCA Method A clean up level for Chromiim III

KV080118A

Table 7 Preliminary Cost Estimate for Remediation
Geddes Marina, Marysville, WA

Alternative	Remove and Replace 2 Ft Upland Soil Cap Basin with 2 ft of Soil	Asphalt Pave Upland Cap Basin with 2 ft of Soil	Cap Entire Site With 2 ft of Soil	Only Cap Upland With 2 ft of Soil
Task				
Clean Up Action Plan	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00
Ground Water Monitoring Wells	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00
Topo/Boundary Survey	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00
Civil Engineering	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00
Ground Water Monitoring (5 yr. Period)	\$200,000.00	\$200,000.00	\$200,000.00	\$200,000.00
Excavation	\$15,000.00	\$0.00	\$0.00	\$0.00
Contaminated Soil Disposal	\$1,185,000.00	\$0.00	\$0.00	\$0.00
Delivered Fill	\$245,000.00	\$173,000.00	\$245,000.00	\$208,000.00
Fill Placement	\$31,000.00	\$22,000.00	\$31,000.00	\$26,000.00
Compaction	\$23,000.00	\$16,000.00	\$23,000.00	\$19,500.00
Finish Grading	\$12,000.00	\$19,000.00	\$18,000.00	\$15,500.00
Base Course	\$0.00	\$128,000.00	\$0.00	\$0.00
Asphalt 3-inches Thick	\$0.00	\$252,000.00	\$0.00	\$0.00
Construction Monitoring	\$60,000.00	\$50,000.00	\$60,000.00	\$40,000.00
Subtotal	\$1,861,000.00	\$950,000.00	\$667,000.00	\$599,000.00
Contingency 20%	\$372,200.00	\$190,000.00	\$133,400.00	\$119,800.00
Estimated Total Cost (2008 Dollars)	\$2,233,200.00	\$1,140,000.00	\$800,400.00	\$718,800.00

NOTES:

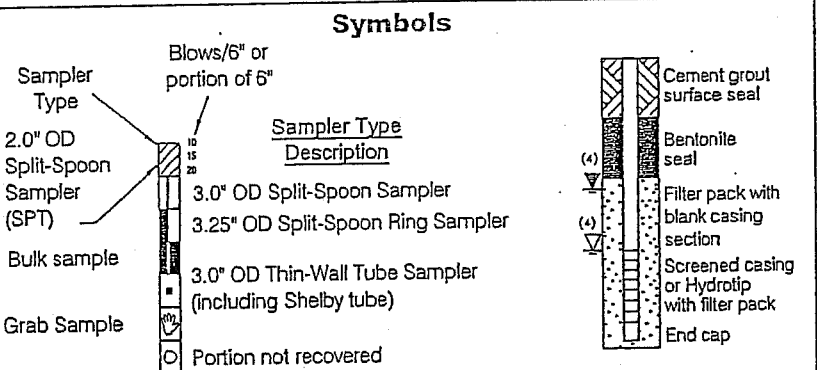
- 1) Assumes site demolition and clearing and drainage of basin has been completed
- 2) Assumes ground water is not potable and does not require clean up (WAC 173-340-720(2))
- 3) The costs presented above are only estimates based on currently available data and are not intended for construction purposes.
- 4) Final site preparation would not be suitable for shallow spread footing foundations. Deep foundations would be required to support structures.

APPENDIX A

Exploration Logs

Coarse-Grained Soils - More than 50% (1) Retained on No. 200 Sieve		Sands - 50% (1) or More of Coarse Fraction Retained on No. 4 Sieve		Gravels - More than 50% (1) of Coarse Fraction Retained on No. 4 Sieve		Terms Describing Relative Density and Consistency	
Coarse-Grained Soils - More than 50% (1) Retained on No. 200 Sieve	Sands - 50% (1) or More of Coarse Fraction Retained on No. 4 Sieve	≤ 5% Fines (5)	GW	Well-graded gravel and gravel with sand, little to no fines	Density SPT⁽²⁾ blows/foot Coarse-Grained Soils Very Loose 0 to 4 Loose 4 to 10 Medium Dense 10 to 30 Dense 30 to 50 Very Dense >50 Consistency SPT⁽²⁾ blows/foot Fine-Grained Soils Very Soft 0 to 2 Soft 2 to 4 Medium Stiff 4 to 8 Stiff 8 to 15 Very Stiff 15 to 30 Hard >30	Test Symbols G = Grain Size M = Moisture Content A = Atterberg Limits C = Chemical DD = Dry Density K = Permeability	
			GP	Poorly-graded gravel and gravel with sand, little to no fines			
			GM	Silty gravel and silty gravel with sand			
	GC	Clayey gravel and clayey gravel with sand					
	Gravels - More than 50% (1) of Coarse Fraction Retained on No. 4 Sieve	≥ 15% Fines (5)	SW	Well-graded sand and sand with gravel, little to no fines			
			SP	Poorly-graded sand and sand with gravel, little to no fines			
SM			Silty sand and silty sand with gravel				
Fine-Grained Soils - 50% (1) or More Passes No. 200 Sieve	Sands - 50% (1) or More of Coarse Fraction Retained on No. 4 Sieve	≥ 15% Fines (5)	SC	Clayey sand and clayey sand with gravel	Component Definitions Descriptive Term Size Range and Sieve Number Boulders Larger than 12" Cobbles 3" to 12" Gravel 3" to No. 4 (4.75 mm) Coarse Gravel 3" to 3/4" Fine Gravel 3/4" to No. 4 (4.75 mm) Sand No. 4 (4.75 mm) to No. 200 (0.075 mm) Coarse Sand No. 4 (4.75 mm) to No. 10 (2.00 mm) Medium Sand No. 10 (2.00 mm) to No. 40 (0.425 mm) Fine Sand No. 40 (0.425 mm) to No. 200 (0.075 mm) Silt and Clay Smaller than No. 200 (0.075 mm)		
			ML	Silt, sandy silt, gravelly silt, silt with sand or gravel			
			CL	Clay of low to medium plasticity; silty, sandy, or gravelly clay, lean clay			
	Sands - 50% (1) or More of Coarse Fraction Retained on No. 4 Sieve	≤ 5% Fines (5)	OL	Organic clay or silt of low plasticity		(3) Estimated Percentage Moisture Content Component Percentage by Weight Trace <5 Few 5 to 10 Little 15 to 25 With - Non-primary coarse constituents: ≥ 15% - Fines content between 5% and 15% Moisture Content Dry - Absence of moisture, dusty, dry to the touch Slightly Moist - Perceptible moisture Moist - Damp but no visible water Very Moist - Water visible but not free draining Wet - Visible free water, usually from below water table	
			MH	Elastic silt, clayey silt, silt with micaceous or diatomaceous fine sand or silt			
			CH	Clay of high plasticity, sandy or gravelly clay, fat clay with sand or gravel			
Sils and Clays Liquid Limit Less than 50	Liquid Limit Less than 50	OH	Organic clay or silt of medium to high plasticity				
		PT	Peat, muck and other highly organic soils				
		OH	Organic clay or silt of medium to high plasticity				
Sils and Clays Liquid Limit 50 or More	Liquid Limit 50 or More	OH	Organic clay or silt of medium to high plasticity				
		PT	Peat, muck and other highly organic soils				
		OH	Organic clay or silt of medium to high plasticity				
Highly Organic Soils	PT	Peat, muck and other highly organic soils	PT	Peat, muck and other highly organic soils			

Component	Percentage by Weight	Moisture Content
Trace	<5	Dry - Absence of moisture, dusty, dry to the touch
Few	5 to 10	Slightly Moist - Perceptible moisture
Little	15 to 25	Moist - Damp but no visible water
With	- Non-primary coarse constituents: ≥ 15% - Fines content between 5% and 15%	Very Moist - Water visible but not free draining
		Wet - Visible free water, usually from below water table



- (1) Percentage by dry weight
- (2) (SPT) Standard Penetration Test (ASTM D-1586)
- (3) In General Accordance with Standard Practice for Description and Identification of Soils (ASTM D-2488)
- (4) Depth of ground water
- ▽ ATD = At time of drilling
- ▽ Static water level (date)
- (5) Combined USCS symbols used for fines between 5% and 15%

Classifications of soils in this report are based on visual field and/or laboratory observations, which include density/consistency, moisture condition, grain size, and plasticity estimates and should not be construed to imply field or laboratory testing unless presented herein. Visual-manual and/or laboratory classification methods of ASTM D-2487 and D-2488 were used as an identification guide for the Unified Soil Classification System.



LOG OF EXPLORATION BORING NO. EB-1

Depth (ft)	<p>This log is part of the report prepared by Associated Earth Sciences, Inc. (AESI) for the named project and should be read together with that report for complete interpretation. This summary applies only to the location of this trench at the time of excavation. Subsurface conditions may change at this location with the passage of time. The data presented are a simplification of actual conditions encountered.</p> <p style="text-align: center;">DESCRIPTION</p>
1	Asphalt Fill Medium dense, moist, light gray, non-stratified, sandy fine to coarse, subrounded and subangular gravel, few silt (SM).
2	Fill Loose, moist to wet, light gray to dark gray, non-stratified fine to coarse SAND, little silt, trace fine subrounded gravel (SW).
3	Woody Debris/Log
4	Fill Loose, saturated, brown, silty fine to medium SAND and crushed SHELLS, trace disseminated organics (SM).
5	Fill/Lacustrine Deposit? Very soft to soft, saturated, light olive-gray and light brown, interlayered organic rich silty CLAY, trace fine sand, PEAT, and WOODY MATERIAL (OL/CL/PT).
6	
7	
8	
9	Loose, saturated, non-stratified, fine to coarse SAND, trace silt, trace organics (SW).
10	PEAT (PT).
11	
12	Estuarine/Alluvial Deposit
13	Loose, saturated, light gray, non-stratified, fine to medium SAND, few grading down to trace silt (SM/SW).
14	
15	
16	
17	Bottom of exploration boring at depth 16 feet Ground water at approximately 5' below the surface. Soil sample (EB-1, 5') taken at approximately 5' below the surface. Water sample (EB-1, W) taken from approximately 5' below the surface.
18	
19	
20	

KCTP3 080118A.GPJ October 17, 2008

Geddes Marina Phase II ESA Marysville, WA

Logged by: JDC
Approved by:

Associated Earth Sciences, Inc.



Project No. KV080118A

8/19/08

LOG OF EXPLORATION BORING NO. EB-2

Depth (ft)	DESCRIPTION
1	Fill Medium dense, moist, light gray, non-stratified, gravelly fine to coarse SAND, few silt (SM).
2	
3	Fill
4	Very soft to soft, wet to saturated, brown, PEATY ORGANIC MATERIAL.
5	Fill Loose, saturated, brown, non-stratified, silty fine to medium SAND and crushed SHELLS, trace disseminated organics (SM).
6	Fill/Lacustrine Deposit?
7	Soft, saturated, light olive-gray and light brown, interbedded/interlayered organics, silty CLAY and PEATY MATERIAL, scattered small logs (CL/OL/PT).
8	
9	
10	
11	
12	Estuarine Deposit
13	Soft, saturated, light olive-gray, weakly stratified, silty CLAY, few disseminated organics (CL).
14	
15	
16	Bottom of exploration boring at depth 15 feet Ground water at approximately 4' below the surface. Soil sample (EB-2, 3') taken from approximately 3' below the surface. Water sample (EB-2, W) taken from approximately 5' below the surface.
17	
18	
19	
20	

Geddes Marina Phase II ESA Marysville, WA

Associated Earth Sciences, Inc.

Project No. KV080118A

Logged by: JDC

Approved by:



8/19/08

LOG OF EXPLORATION BORING NO. EB-3

Depth (ft)	
	<p>This log is part of the report prepared by Associated Earth Sciences, Inc. (AESI) for the named project and should be read together with that report for complete interpretation. This summary applies only to the location of this trench at the time of excavation. Subsurface conditions may change at this location with the passage of time. The data presented are a simplification of actual conditions encountered.</p> <p>DESCRIPTION</p>
1	<p>Fill</p> <p>Medium dense, moist, light gray, non-stratified, sandy fine to coarse subrounded GRAVEL, few silt (GM).</p>
2	<p>Fill/Lacustrine Deposit?</p> <p>Soft, saturated, light olive-gray and light brown, interbedded/interlayered organics, silty CLAY and PEATY MATERIAL, scattered small logs (CL/OL/PT).</p>
3	
4	
5	
6	
7	
8	
9	
10	<p>Estuarine Deposit</p> <p>Soft, saturated, light olive-gray, weakly stratified, silty CLAY, few disseminated organics (CL).</p>
11	
12	
13	
14	
15	
16	<p>Bottom of exploration boring at depth 15 feet Ground water at approximately 5' below the surface. Soil sample (EB-3, 5') taken at approximately 5' below the surface. Water sample (EB-3, W) taken at approximately 5' below the surface.</p>
17	
18	
19	
20	

Geddes Marina Phase II ESA Marysville, WA

Logged by: JDC
 Approved by:

Associated Earth Sciences, Inc.



Project No. KV080118A

8/19/08

LOG OF EXPLORATION BORING NO. EB-4

Depth (ft)	<p>This log is part of the report prepared by Associated Earth Sciences, Inc. (AESI) for the named project and should be read together with that report for complete interpretation. This summary applies only to the location of this trench at the time of excavation. Subsurface conditions may change at this location with the passage of time. The data presented are a simplification of actual conditions encountered.</p> <p>DESCRIPTION</p>
1	<p>Fill</p> <p>Loose, damp, gray/black, sandy GRAVEL, some silt (SM).</p>
2	
3	
4	<p>Fill</p> <p>Loose, damp, dark brown, silty SAND, trace gravel and wood debris (slight black staining) (SW).</p>
5	<p>Fill</p> <p>Very soft to soft, saturated, light brown, silty CLAY, PEAT and wood debris (OL/CL/PT).</p>
6	
7	
8	
9	<p>Fill</p> <p>Loose, dark brown, medium to coarse SAND, trace wood debris (SW).</p>
10	
11	
12	
13	<p>Bottom of exploration boring at depth 12 feet Screened from 4' to 7' temp steel well, sampler with peristaltic.</p>
14	
15	
16	
17	
18	
19	
20	

Geddes Marina Phase II ESA Marysville, WA

Logged by: MSA

Approved by:

Associated Earth Sciences, Inc.



Project No. KV080118A

October 2008

LOG OF EXPLORATION BORING NO. EB-5

Depth (ft)	<p>This log is part of the report prepared by Associated Earth Sciences, Inc. (AESI) for the named project and should be read together with that report for complete interpretation. This summary applies only to the location of this trench at the time of excavation. Subsurface conditions may change at this location with the passage of time. The data presented are a simplification of actual conditions encountered.</p> <p>DESCRIPTION</p>
1	<p>Fill</p> <p>Loose, damp, gray/dark brown, sandy GRAVEL, some silt (SM). Note: Some burnt/charred material in shoe.</p>
2	
3	
4	
5	<p>Fill</p> <p>Loose, damp, gray/dark brown, sandy GRAVEL, some silt, grades to very soft, gray/brown, PEAT/SILT, with wood debris (PT).</p>
6	
7	
8	Same as above.
9	
10	
11	
12	
13	Bottom of exploration boring at depth 12 feet Screened from 7' to 10' (Raked screen to 4' to 6' after 45 minutes of little water).
14	
15	
16	
17	
18	
19	
20	

Geddes Marina Phase II ESA Marysville, WA

Logged by: MSA

Approved by:

Associated Earth Sciences, Inc.



Project No. KV080118A

October 2008

LOG OF EXPLORATION BORING NO. EB-6

Depth (ft)	
	<p>This log is part of the report prepared by Associated Earth Sciences, Inc. (AESI) for the named project and should be read together with that report for complete interpretation. This summary applies only to the location of this trench at the time of excavation. Subsurface conditions may change at this location with the passage of time. The data presented are a simplification of actual conditions encountered.</p> <p>DESCRIPTION</p>
1	<p>Fill</p> <p>Loose, damp, gray, sandy GRAVEL, some silt, grades to loose, dark brown, silty CLAY, trace wood debris (SM/OL/CL).</p>
2	
3	
4	
5	<p>Fill</p> <p>Same as above with 3" gray sand interbed, grades to very loose, damp, brown, PEAT, with silt (OL/CL/PT).</p>
6	
7	
8	<p>-----</p> <p>Estuarine/Alluvial Deposit</p>
9	Loose to medium dense, saturated, light gray, fine to medium SAND, trace silt, grades to brown PEAT (SM/SW/PT).
10	
11	
12	
13	Bottom of exploration boring at depth 12 feet
14	
15	
16	
17	
18	
19	
20	

KCTP3 080118A.GPJ October 20, 2008

Geddes Marina Phase II ESA Marysville, WA

Logged by: MSA

Approved by:

Associated Earth Sciences, Inc.



Project No. KV080118A

October 2008

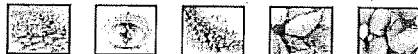
LOG OF EXPLORATION BORING NO. EB-7

Depth (ft)	<p style="font-size: small;">This log is part of the report prepared by Associated Earth Sciences, Inc. (AESI) for the named project and should be read together with that report for complete interpretation. This summary applies only to the location of this trench at the time of excavation. Subsurface conditions may change at this location with the passage of time. The data presented are a simplification of actual conditions encountered.</p> <p style="margin-top: 10px;">DESCRIPTION</p>
1	<p>Fill</p> <p>Very loose, damp to wet, gray/brown, sandy GRAVEL, with silt, trace wood debris (SM).</p>
2	
3	
4	
5	<p>Fill</p> <p>Same as above, grades to very loose, moist to wet, brown, PEAT, with silt (SM/PT).</p>
6	
7	
8	<p>Fill</p> <p>Very soft, saturated, brown, silty PEAT (PT).</p>
9	
10	
11	
12	
13	<p>Bottom of exploration boring at depth 12 feet</p>
14	
15	
16	
17	
18	
19	
20	

Geddes Marina Phase II ESA Marysville, WA

Logged by: MSA
Approved by:

Associated Earth Sciences, Inc.



Project No. KV080118A

October 2008

APPENDIX B

Laboratory Analytical Data

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
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September 17, 2008

Jon Sondergaard, Project Manager
Associated Earth Sciences, Inc.
911 5th Avenue, Suite 100
Kirkland, WA 98033

Dear Mr. Sondergaard:

Included are the additional results from the testing of material submitted on August 20, 2008 from the Geddes Marina KV080118A, F&BI 808206 project. There are 25 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
AE10917R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on August 20, 2008 by Friedman & Bruya, Inc. from the Associated Earth Sciences, Inc. Geddes Marina KV080118A, F&BI 808206 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Associated Earth Sciences, Inc.</u>
808206-01	EB-1, 5 ft
808206-02	EB-1, W
808206-03	EB-2, 3 ft
808206-04	EB-2, W
808206-05	EB-3, 5 ft
808206-06	EB-3, W
808206-07	HA-1
808206-08	HA-2
808206-09	HA-3
808206-10	HA-4
808206-11	HA-5
808206-12	HA-6
808206-13	HA-7
808206-14	HA-8
808206-15	HA-9
808206-16	HA-10

There was insufficient sample volume to analyze for mercury in water. All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	EB-1, W	Client:	Associated Earth Sciences, Inc.
Date Received:	08/20/08	Project:	Geddes Marina KV080118A, F&BI 808206
Date Extracted:	08/25/08	Lab ID:	808206-02
Date Analyzed:	08/26/08	Data File:	808206-02.015
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	93	60	125
Indium	81	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	16.2
Nickel	15.5
Copper	16.5
Zinc	35.0
Arsenic	10.7
Cadmium	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	EB-2, W	Client:	Associated Earth Sciences, Inc.
Date Received:	08/20/08	Project:	Geddes Marina KV080118A, F&BI 808206
Date Extracted:	08/25/08	Lab ID:	808206-04
Date Analyzed:	08/26/08	Data File:	808206-04.016
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	114	60	125
Indium	78	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	17.1
Nickel	17.8
Copper	16.7
Zinc	17.6
Arsenic	23.5
Cadmium	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	EB-3, W	Client:	Associated Earth Sciences, Inc.
Date Received:	08/20/08	Project:	Geddes Marina KV080118A, F&BI 808206
Date Extracted:	08/25/08	Lab ID:	808206-06
Date Analyzed:	08/26/08	Data File:	808206-06.017
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	92	60	125
Indium	70	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	37.8
Nickel	27.5
Copper	49.5
Zinc	47.6
Arsenic	62.0
Cadmium	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Associated Earth Sciences, Inc.
Date Received:	Not Applicable	Project:	Geddes Marina KV080118A, F&BI 808206
Date Extracted:	08/25/08	Lab ID:	I8-328 mb
Date Analyzed:	08/26/08	Data File:	I8-328 mb.008
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	97	60	125
Indium	98	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	<1
Nickel	<1
Copper	<1
Zinc	<2
Arsenic	<1
Cadmium	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	EB-1, 5 ft	Client:	Associated Earth Sciences, Inc.
Date Received:	08/20/08	Project:	Geddes Marina KV080118A, F&BI 808206
Date Extracted:	08/26/08	Lab ID:	808206-01
Date Analyzed:	08/26/08	Data File:	808206-01.021
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	93	60	125
Indium	86	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	11.4
Nickel	14.1
Copper	11.9
Zinc	19.5
Arsenic	5.04
Cadmium	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	EB-2, 3 ft	Client:	Associated Earth Sciences, Inc.
Date Received:	08/20/08	Project:	Geddes Marina KV080118A, F&BI 808206
Date Extracted:	08/26/08	Lab ID:	808206-03
Date Analyzed:	08/26/08	Data File:	808206-03.022
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	92	60	125
Indium	85	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	9.56
Nickel	13.9
Copper	10.1
Zinc	17.8
Arsenic	3.50
Cadmium	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	EB-3, 5 ft	Client:	Associated Earth Sciences, Inc.
Date Received:	08/20/08	Project:	Geddes Marina KV080118A, F&BI 808206
Date Extracted:	08/26/08	Lab ID:	808206-05
Date Analyzed:	08/26/08	Data File:	808206-05.023
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	94	60	125
Indium	83	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	27.5
Nickel	29.9
Copper	41.1
Zinc	49.8
Arsenic	22.3
Cadmium	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	HA-1	Client:	Associated Earth Sciences, Inc.
Date Received:	08/20/08	Project:	Geddes Marina KV080118A, F&BI 808206
Date Extracted:	08/26/08	Lab ID:	808206-07
Date Analyzed:	08/26/08	Data File:	808206-07.026
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	95	60	125
Indium	77	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	63.0
Nickel	149
Copper	204
Zinc	848
Arsenic	9.28
Cadmium	60.5

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	HA-2	Client:	Associated Earth Sciences, Inc.
Date Received:	08/20/08	Project:	Geddes Marina KV080118A, F&BI 808206
Date Extracted:	08/26/08	Lab ID:	808206-08
Date Analyzed:	08/26/08	Data File:	808206-08.027
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	95	60	125
Indium	81	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	28.5
Nickel	16.7
Copper	98.9
Zinc	179
Arsenic	22.0
Cadmium	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	HA-3	Client:	Associated Earth Sciences, Inc.
Date Received:	08/20/08	Project:	Geddes Marina KV080118A, F&BI 808206
Date Extracted:	08/26/08	Lab ID:	808206-09
Date Analyzed:	08/26/08	Data File:	808206-09.028
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	94	60	125
Indium	80	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	35.0
Nickel	19.6
Copper	41.3
Zinc	39.4
Arsenic	19.5
Cadmium	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	HA-4	Client:	Associated Earth Sciences, Inc.
Date Received:	08/20/08	Project:	Geddes Marina KV080118A, F&BI 808206
Date Extracted:	08/26/08	Lab ID:	808206-10
Date Analyzed:	08/26/08	Data File:	808206-10.030
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	89	60	125
Indium	81	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	29.2
Nickel	32.9
Copper	124
Zinc	897
Arsenic	13.5
Cadmium	3.42

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	HA-5	Client:	Associated Earth Sciences, Inc.
Date Received:	08/20/08	Project:	Geddes Marina KV080118A, F&BI 808206
Date Extracted:	08/26/08	Lab ID:	808206-11
Date Analyzed:	08/26/08	Data File:	808206-11.031
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	89	60	125
Indium	82	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	22.4
Nickel	8.85
Copper	47.0
Zinc	29.5
Arsenic	6.29
Cadmium	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	HA-6	Client:	Associated Earth Sciences, Inc.
Date Received:	08/20/08	Project:	Geddes Marina KV080118A, F&BI 808206
Date Extracted:	08/26/08	Lab ID:	808206-12
Date Analyzed:	08/26/08	Data File:	808206-12.032
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	93	60	125
Indium	84	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	11.2
Nickel	10.1
Copper	14.5
Zinc	26.6
Arsenic	2.42
Cadmium	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	HA-7	Client:	Associated Earth Sciences, Inc.
Date Received:	08/20/08	Project:	Geddes Marina KV080118A, F&BI 808206
Date Extracted:	08/26/08	Lab ID:	808206-13
Date Analyzed:	08/26/08	Data File:	808206-13.033
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	92	60	125
Indium	80	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	42.5
Nickel	19.9
Copper	111
Zinc	73.6
Arsenic	56.9
Cadmium	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	HA-8	Client:	Associated Earth Sciences, Inc.
Date Received:	08/20/08	Project:	Geddes Marina KV080118A, F&BI 808206
Date Extracted:	08/26/08	Lab ID:	808206-14
Date Analyzed:	08/26/08	Data File:	808206-14.034
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	92	60	125
Indium	80	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	30.4
Nickel	14.8
Copper	47.2
Zinc	40.5
Arsenic	21.1
Cadmium	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	HA-9	Client:	Associated Earth Sciences, Inc.
Date Received:	08/20/08	Project:	Geddes Marina KV080118A, F&BI 808206
Date Extracted:	08/26/08	Lab ID:	808206-15
Date Analyzed:	08/26/08	Data File:	808206-15.035
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	89	60	125
Indium	78	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	30.1
Nickel	20.4
Copper	42.9
Zinc	46.9
Arsenic	16.3
Cadmium	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	HA-10	Client:	Associated Earth Sciences, Inc.
Date Received:	08/20/08	Project:	Geddes Marina KV080118A, F&BI 808206
Date Extracted:	08/26/08	Lab ID:	808206-16
Date Analyzed:	08/26/08	Data File:	808206-16.036
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	88	60	125
Indium	80	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	60.8
Nickel	27.5
Copper	132
Zinc	243
Arsenic	23.5
Cadmium	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Associated Earth Sciences, Inc.
Date Received:	Not Applicable	Project:	Geddes Marina KV080118A, F&BI 808206
Date Extracted:	08/26/08	Lab ID:	I8-330 mb
Date Analyzed:	08/26/08	Data File:	I8-330 mb.019
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	85	60	125
Indium	85	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	<1
Nickel	<1
Copper	<1
Zinc	<1
Arsenic	<1
Cadmium	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/17/08
Date Received: 08/20/08
Project: Geddes Marina KV080118A, F&BI 808206
Date Extracted: 08/26/08
Date Analyzed: 09/12/08

**RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES
FOR TOTAL MERCURY
USING EPA METHOD 1631E**
Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	<u>Total Mercury</u>
EB-1, 5 ft 808206-01	<0.2
EB-2, 3 ft 808206-03	<0.2
EB-3, 5 ft 808206-05	<0.2
HA-1 808206-07	<0.2
HA-2 808206-08	0.21
HA-3 808206-09	<0.2
HA-4 808206-10	0.29
HA-5 808206-11	<0.2
HA-6 808206-12	<0.2
HA-7 808206-13	<0.2
HA-8 808206-14	<0.2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/17/08
Date Received: 08/20/08
Project: Geddes Marina KV080118A, F&BI 808206
Date Extracted: 08/26/08
Date Analyzed: 09/12/08

**RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES
FOR TOTAL MERCURY
USING EPA METHOD 1631E**
Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	<u>Total Mercury</u>
HA-9 808206-15	<0.2
HA-10 808206-16	0.22
Method Blank	<0.2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/17/08

Date Received: 08/20/08

Project: Geddes Marina KV080118A, F&BI 808206

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF WATER SAMPLES
FOR TOTAL METALS USING EPA METHOD 200.8**

Laboratory Code: 808235-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	ug/L (ppb)	10.1	10.2	1	0-20
Nickel	ug/L (ppb)	8.90	8.96	1	0-20
Copper	ug/L (ppb)	8.63	8.96	4	0-20
Zinc	ug/L (ppb)	13.3	11.1	18	0-20
Arsenic	ug/L (ppb)	1.06	1.13	6	0-20
Cadmium	ug/L (ppb)	<1	<1	nm	0-20

Laboratory Code: 808235-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Chromium	ug/L (ppb)	20	10.1	97 b	50-150
Nickel	ug/L (ppb)	20	8.90	105 b	50-150
Copper	ug/L (ppb)	20	8.63	102 b	50-150
Zinc	ug/L (ppb)	50	13.3	95 b	50-150
Arsenic	ug/L (ppb)	10	1.06	116	50-150
Cadmium	ug/L (ppb)	5	<1	105	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	ug/L (ppb)	20	105	70-130
Nickel	ug/L (ppb)	20	106	70-130
Copper	ug/L (ppb)	20	108	70-130
Zinc	ug/L (ppb)	50	98	70-130
Arsenic	ug/L (ppb)	10	90	70-130
Cadmium	ug/L (ppb)	5	103	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/17/08

Date Received: 08/20/08

Project: Geddes Marina KV080118A, F&BI 808206

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL METALS USING EPA METHOD 200.8**

Laboratory Code: 808206-05 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	mg/kg (ppm)	27.5	33.1	18	0-20
Nickel	mg/kg (ppm)	29.9	38.2	24 hr	0-20
Copper	mg/kg (ppm)	41.1	50.7	21 hr	0-20
Zinc	mg/kg (ppm)	49.8	56.6	13	0-20
Arsenic	mg/kg (ppm)	22.3	22.8	2	0-20
Cadmium	mg/kg (ppm)	<1	<1	nm	0-20

Laboratory Code: 808206-05 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Chromium	mg/kg (ppm)	50	27.5	94 b	50-150
Nickel	mg/kg (ppm)	25	29.9	93 b	50-150
Copper	mg/kg (ppm)	50	41.1	93 b	50-150
Zinc	mg/kg (ppm)	50	49.8	93 b	50-150
Arsenic	mg/kg (ppm)	10	22.3	108 b	50-150
Cadmium	mg/kg (ppm)	10	<1	105	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	mg/kg (ppm)	50	101	70-130
Nickel	mg/kg (ppm)	25	103	70-130
Copper	mg/kg (ppm)	50	104	70-130
Zinc	mg/kg (ppm)	50	105	70-130
Arsenic	mg/kg (ppm)	10	108	70-130
Cadmium	mg/kg (ppm)	10	103	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/17/08

Date Received: 08/20/08

Project: Geddes Marina KV080118A, F&BI 808206

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF SOIL SAMPLES FOR
TOTAL MERCURY
USING EPA METHOD 1631E**

Laboratory Code: 808206-05 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Mercury	mg/kg (ppm)	0.125	<0.2	95	104	50-150	9

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Mercury	mg/kg (ppm)	0.125	99	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- A1 - More than one compound of similar molecule structure was identified with equal probability.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte indicated may be due to carryover from previous sample injections.
- d - The sample was diluted. Detection limits may be raised due to dilution.
- ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.
- dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.
- fb - The analyte indicated was found in the method blank. The result should be considered an estimate.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.
- ht - The sample was extracted outside of holding time. Results should be considered estimates.
- ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The result is below normal reporting limits. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.
- jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the compound indicated is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received in a container not approved by the method. The value reported should be considered an estimate.
- pr - The sample was received with incorrect preservation. The value reported should be considered an estimate.
- ve - The value reported exceeded the calibration range established for the analyte. The reported concentration should be considered an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The pattern of peaks present is not indicative of diesel.
- y - The pattern of peaks present is not indicative of motor oil.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
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September 2, 2008

Jon Sondergaard, Project Manager
Associated Earth Sciences, Inc.
911 5th Avenue, Suite 100
Kirkland, WA 98033

SEP - 8 2008

Dear Mr. Sondergaard:

Included are the results from the testing of material submitted on August 20, 2008 from the Geddes Marina KV080118A, F&BI 808206 project. There are 32 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
AE10902R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on August 20, 2008 by Friedman & Bruya, Inc. from the Associated Earth Sciences, Inc. Geddes Marina KV080118A, F&BI 808206 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Associated Earth Sciences, Inc.</u>
808206-01	EB-1, 5ft
808206-02	EB-1, W
808206-03	EB-2, 3ft
808206-04	EB-2, W
808206-05	EB-3, 5ft
808206-06	EB-3, W
808206-07	HA-1
808206-08	HA-2
808206-09	HA-3
808206-10	HA-4
808206-11	HA-5
808206-12	HA-6
808206-13	HA-7
808206-14	HA-8
808206-15	HA-9
808206-16	HA-10

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/02/08

Date Received: 08/20/08

Project: Geddes Marina KV080118A, F&BI 808206

Date Extracted: 08/22/08

Date Analyzed: 08/22/08 and 08/25/08

**RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES AND TPH AS GASOLINE
USING EPA METHOD 8021B AND NWTPH-Gx
Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)**

<u>Sample ID</u> Laboratory ID	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl Benzene</u>	<u>Total Xylenes</u>	<u>Gasoline Range</u>	<u>Surrogate (% Recovery)</u> (Limit 50-150)
EB-1, 5ft 808206-01	<0.02	<0.02	<0.02	<0.06	<2	88
EB-2, 3ft 808206-03	<0.02	<0.02	<0.02	<0.06	<2	88
EB-3, 5ft 808206-05	<0.02	<0.02	<0.02	<0.06	<2	101
HA-1 808206-07	<0.02	<0.02	<0.02	<0.06	<2	127
HA-2 808206-08	<0.02	<0.02	<0.02	<0.06	<2	83
HA-3 808206-09	<0.02	<0.02	<0.02	<0.06	<2	97
HA-4 808206-10	<0.02	<0.02	<0.02	<0.06	<2	67
HA-5 808206-11	<0.02	<0.02	<0.02	<0.06	<2	88
HA-6 808206-12	<0.02	<0.02	<0.02	<0.06	<2	90
HA-7 808206-13	<0.02	<0.02	<0.02	<0.06	<2	79

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/02/08

Date Received: 08/20/08

Project: Geddes Marina KV080118A, F&BI 808206

Date Extracted: 08/22/08

Date Analyzed: 08/22/08 and 08/25/08

**RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES AND TPH AS GASOLINE
USING EPA METHOD 8021B AND NWTPH-Gx**
Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl Benzene</u>	<u>Total Xylenes</u>	<u>Gasoline Range</u>	<u>Surrogate (% Recovery)</u> (Limit 50-150)
HA-8 808206-14	<0.02	0.05	<0.02	<0.06	<2	128
HA-9 808206-15	<0.02	<0.02	<0.02	<0.06	<2	90
HA-10 808206-16	<0.02	<0.02	<0.02	<0.06	<2	84
Method Blank	<0.02	<0.02	<0.02	<0.06	<2	108

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/02/08

Date Received: 08/20/08

Project: Geddes Marina KV080118A, F&BI 808206

Date Extracted: 08/22/08

Date Analyzed: 08/23/08

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES AND TPH AS GASOLINE
USING EPA METHOD 8021B AND NWTPH-Gx
Results Reported as ug/L (ppb)**

<u>Sample ID</u> Laboratory ID	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl Benzene</u>	<u>Total Xylenes</u>	<u>Gasoline Range</u>	<u>Surrogate (% Recovery)</u> (Limit 52-124)
EB-1, W 808206-02	<1	<1	<1	<3	<100	92
EB-2, W 808206-04	<1	<1	<1	<3	<100	80
EB-3, W 808206-06	<1	<1	<1	<3	<100	91
Method Blank	<1	<1	<1	<3	<100	98

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/02/08

Date Received: 08/20/08

Project: Geddes Marina KV080118A, F&BI 808206

Date Extracted: 08/22/08

Date Analyzed: 08/22/08 and 08/23/08

**RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
DIESEL AND MOTOR OIL
USING METHOD NWTPH-Dx
Sample Extracts Passed Through a
Silica Gel Column Prior to Analysis
Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)**

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> (% Recovery) (Limit 53-144)
EB-1, 5ft 808206-01	590	<250	89
EB-2, 3ft 808206-03	<50	<250	89
EB-3, 5ft 808206-05	<50	<250	89
HA-1 808206-07	<50	<250	91
HA-2 808206-08	84	<250	91
HA-3 808206-09	<50	<250	88
HA-4 808206-10	<50	<250	88
HA-5 808206-11	<50	<250	89
HA-6 808206-12	<50	<250	91
HA-7 808206-13	<50	<250	88

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/02/08
Date Received: 08/20/08
Project: Geddes Marina KV080118A, F&BI 808206
Date Extracted: 08/22/08
Date Analyzed: 08/22/08 and 08/23/08

**RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
DIESEL AND MOTOR OIL
USING METHOD NWTPH-Dx
Sample Extracts Passed Through a
Silica Gel Column Prior to Analysis
Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)**

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> (% Recovery) (Limit 53-144)
HA-8 808206-14	<50	<250	92
HA-9 808206-15	57	<250	90
HA-10 808206-16	<50	<250	92
Method Blank	<50	<250	89

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/02/08

Date Received: 08/20/08

Project: Geddes Marina KV080118A, F&BI 808206

Date Extracted: 08/22/08

Date Analyzed: 08/25/08

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
DIESEL AND MOTOR OIL
USING METHOD NWTPH-Dx
Sample Extracts Passed Through a
Silica Gel Column Prior to Analysis
Results Reported as ug/L (ppb)**

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 52-134)
EB-1, W dv 808206-02	920 x	<270	81
EB-2, W 808206-04	<50	<250	80
EB-3, W 808206-06	<50	<250	84
Method Blank	<50	<250	65

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	EB-1, 5ft	Client:	Associated Earth Sciences, Inc.
Date Received:	08/20/08	Project:	Geddes Marina, F&BI 808206
Date Extracted:	08/26/08	Lab ID:	808206-01
Date Analyzed:	08/26/08	Data File:	808206-01.021
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower	Upper
Holmium	87	Limit:	Limit:
		60	125

Analyte:	Concentration
	mg/kg (ppm)
Lead	5.72

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	EB-2, 3ft	Client:	Associated Earth Sciences, Inc.
Date Received:	08/20/08	Project:	Geddes Marina, F&BI 808206
Date Extracted:	08/26/08	Lab ID:	808206-03
Date Analyzed:	08/26/08	Data File:	808206-03.022
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower	Upper
Holmium	88	Limit:	Limit:
		60	125

Analyte:	Concentration
	mg/kg (ppm)
Lead	4.89

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	EB-3, 5ft	Client:	Associated Earth Sciences, Inc.
Date Received:	08/20/08	Project:	Geddes Marina, F&BI 808206
Date Extracted:	08/26/08	Lab ID:	808206-05
Date Analyzed:	08/26/08	Data File:	808206-05.023
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower	Upper
Holmium	85	Limit:	Limit:
		60	125

Analyte:	Concentration
	mg/kg (ppm)
Lead	27.2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	HA-1	Client:	Associated Earth Sciences, Inc.
Date Received:	08/20/08	Project:	Geddes Marina, F&BI 808206
Date Extracted:	08/26/08	Lab ID:	808206-07
Date Analyzed:	08/26/08	Data File:	808206-07.026
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower	Upper
Holmium	81	Limit:	Limit:
		60	125

Analyte:	Concentration
	mg/kg (ppm)
Lead	95.0

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	HA-2	Client:	Associated Earth Sciences, Inc.
Date Received:	08/20/08	Project:	Geddes Marina, F&BI 808206
Date Extracted:	08/26/08	Lab ID:	808206-08
Date Analyzed:	08/26/08	Data File:	808206-08.027
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower	Upper
Holmium	83	Limit:	Limit:
		60	125

Analyte:	Concentration
	mg/kg (ppm)
Lead	63.2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	HA-3	Client:	Associated Earth Sciences, Inc.
Date Received:	08/20/08	Project:	Geddes Marina, F&BI 808206
Date Extracted:	08/26/08	Lab ID:	808206-09
Date Analyzed:	08/26/08	Data File:	808206-09.028
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower	Upper
Holmium	84	Limit:	Limit:
		60	125

Analyte:	Concentration
	mg/kg (ppm)
Lead	10.7

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	HA-4	Client:	Associated Earth Sciences, Inc.
Date Received:	08/20/08	Project:	Geddes Marina, F&BI 808206
Date Extracted:	08/26/08	Lab ID:	808206-10
Date Analyzed:	08/26/08	Data File:	808206-10.030
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower	Upper
Holmium	82	Limit:	Limit:
		60	125

Analyte:	Concentration
	mg/kg (ppm)
Lead	117

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	HA-5	Client:	Associated Earth Sciences, Inc.
Date Received:	08/20/08	Project:	Geddes Marina, F&BI 808206
Date Extracted:	08/26/08	Lab ID:	808206-11
Date Analyzed:	08/26/08	Data File:	808206-11.031
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower	Upper
Holmium	83	Limit:	Limit:
		60	125

Analyte:	Concentration
	mg/kg (ppm)
Lead	105

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	HA-6	Client:	Associated Earth Sciences, Inc.
Date Received:	08/20/08	Project:	Geddes Marina, F&BI 808206
Date Extracted:	08/26/08	Lab ID:	808206-12
Date Analyzed:	08/26/08	Data File:	808206-12.032
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	87	60	125

Analyte:	Concentration mg/kg (ppm)
Lead	14.8

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	HA-7	Client:	Associated Earth Sciences, Inc.
Date Received:	08/20/08	Project:	Geddes Marina, F&BI 808206
Date Extracted:	08/26/08	Lab ID:	808206-13
Date Analyzed:	08/26/08	Data File:	808206-13.033
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower	Upper
Holmium	84	Limit:	Limit:
		60	125

Analyte:	Concentration
	mg/kg (ppm)
Lead	101

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	HA-8	Client:	Associated Earth Sciences, Inc.
Date Received:	08/20/08	Project:	Geddes Marina, F&BI 808206
Date Extracted:	08/26/08	Lab ID:	808206-14
Date Analyzed:	08/26/08	Data File:	808206-14.034
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower	Upper
Holmium	83	Limit:	Limit:
		60	125

Analyte:	Concentration
	mg/kg (ppm)
Lead	16.9

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	HA-9	Client:	Associated Earth Sciences, Inc.
Date Received:	08/20/08	Project:	Geddes Marina, F&BI 808206
Date Extracted:	08/26/08	Lab ID:	808206-15
Date Analyzed:	08/26/08	Data File:	808206-15.035
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower	Upper
Holmium	83	Limit:	Limit:
		60	125

Analyte:	Concentration
	mg/kg (ppm)
Lead	30.9

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	HA-10	Client:	Associated Earth Sciences, Inc.
Date Received:	08/20/08	Project:	Geddes Marina, F&BI 808206
Date Extracted:	08/26/08	Lab ID:	808206-16
Date Analyzed:	08/26/08	Data File:	808206-16.036
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower	Upper
Holmium	83	Limit:	Limit:
		60	125

Analyte:	Concentration
	mg/kg (ppm)
Lead	544

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Associated Earth Sciences, Inc.
Date Received:	Not Applicable	Project:	Geddes Marina, F&BI 808206
Date Extracted:	08/26/08	Lab ID:	I8-330 mb
Date Analyzed:	08/26/08	Data File:	I8-330 mb.019
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower	Upper
Holmium	86	Limit:	Limit:
		60	125

Analyte:	Concentration
	mg/kg (ppm)

Lead	<1
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	EB-1, W	Client:	Associated Earth Sciences, Inc.
Date Received:	08/20/08	Project:	Geddes Marina, F&BI 808206
Date Extracted:	08/25/08	Lab ID:	808206-02
Date Analyzed:	08/26/08	Data File:	808206-02.015
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	85	60	125

Analyte:	Concentration ug/L (ppb)
Lead	26.2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	EB-2, W	Client:	Associated Earth Sciences, Inc.
Date Received:	08/20/08	Project:	Geddes Marina, F&BI 808206
Date Extracted:	08/25/08	Lab ID:	808206-04
Date Analyzed:	08/26/08	Data File:	808206-04.016
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	89	60	125

Analyte:	Concentration ug/L (ppb)
Lead	8.52

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	EB-3, W	Client:	Associated Earth Sciences, Inc.
Date Received:	08/20/08	Project:	Geddes Marina, F&BI 808206
Date Extracted:	08/25/08	Lab ID:	808206-06
Date Analyzed:	08/26/08	Data File:	808206-06.017
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	hr

Internal Standard:	% Recovery:	Lower	Upper
Holmium	81	Limit:	Limit:
		60	125

Analyte:	Concentration
	ug/L (ppb)
Lead	9.27

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Associated Earth Sciences, Inc.
Date Received:	Not Applicable	Project:	Geddes Marina, F&BI 808206
Date Extracted:	08/25/08	Lab ID:	I8-328 mb
Date Analyzed:	08/26/08	Data File:	I8-328 mb.008
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	hr

Internal Standard:	% Recovery:	Lower	Upper
Holmium	99	Limit:	Limit:
		60	125

Analyte:	Concentration
	ug/L (ppb)
Lead	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/02/08

Date Received: 08/20/08

Project: Geddes Marina KV080118A, F&BI 808206

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES, AND TPH AS GASOLINE
USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 808206-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<2	<2	nm

Analyte	Reporting Units	Spike Level	Percent	
			Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	104	70-130
Toluene	mg/kg (ppm)	0.5	98	70-130
Ethylbenzene	mg/kg (ppm)	0.5	102	70-130
Xylenes	mg/kg (ppm)	1.5	100	70-130
Gasoline	mg/kg (ppm)	20	84	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/02/08

Date Received: 08/20/08

Project: Geddes Marina KV080118A, F&BI 808206

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES, AND TPH AS GASOLINE
USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 808247-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	ug/L (ppb)	<1	<1	nm
Toluene	ug/L (ppb)	<1	<1	nm
Ethylbenzene	ug/L (ppb)	<1	<1	nm
Xylenes	ug/L (ppb)	<3	<3	nm
Gasoline	ug/L (ppb)	<100	<100	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	ug/L (ppb)	50	100	65-118
Toluene	ug/L (ppb)	50	101	72-122
Ethylbenzene	ug/L (ppb)	50	104	73-126
Xylenes	ug/L (ppb)	150	102	74-118
Gasoline	ug/L (ppb)	1,000	91	69-134

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/02/08

Date Received: 08/20/08

Project: Geddes Marina KV080118A, F&BI 808206

**QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
DIESEL EXTENDED USING METHOD NWTPH-Dx**

Laboratory Code: 808206-12 (Matrix Spike) Silica Gel

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	105	105	71-137	0

Laboratory Code: Laboratory Control Sample Silica Gel

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	103	70-129

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/02/08

Date Received: 08/20/08

Project: Geddes Marina KV080118A, F&BI 808206

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
DIESEL EXTENDED USING METHOD NWTPH-Dx**

Laboratory Code: Laboratory Control Sample Silica Gel

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	ug/L (ppb)	2,500	94	91	73-142	3

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/02/08

Date Received: 08/20/08

Project: Geddes Marina KV080118A, F&BI 808206

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL METALS USING EPA METHOD 200.8**

Laboratory Code: 808206-05 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Lead	mg/kg (ppm)	27.2	20.4	29 hr	0-20

Laboratory Code: 808206-05 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Lead	mg/kg (ppm)	50	27.2	97 b	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	mg/kg (ppm)	50	104	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/02/08

Date Received: 08/20/08

Project: Geddes Marina KV080118A, F&BI 808206

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF WATER SAMPLES
FOR TOTAL METALS USING EPA METHOD 200.8**

Laboratory Code: 808235-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Lead	ug/L (ppb)	1.49	1.53	3	0-20

Laboratory Code: 808235-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Lead	ug/L (ppb)	10	1.49	109	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	ug/L (ppb)	10	106	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- A1 - More than one compound of similar molecule structure was identified with equal probability.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte indicated may be due to carryover from previous sample injections.
- d - The sample was diluted. Detection limits may be raised due to dilution.
- ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.
- dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.
- fb - The analyte indicated was found in the method blank. The result should be considered an estimate.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.
- ht - The sample was extracted outside of holding time. Results should be considered estimates.
- ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The result is below normal reporting limits. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.
- jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the compound indicated is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received in a container not approved by the method. The value reported should be considered an estimate.
- pr - The sample was received with incorrect preservation. The value reported should be considered an estimate.
- ve - The value reported exceeded the calibration range established for the analyte. The reported concentration should be considered an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The pattern of peaks present is not indicative of diesel.
- y - The pattern of peaks present is not indicative of motor oil.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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September 25, 2008

SEP 29 2008

Jon Sondergaard, Project Manager
Associated Earth Sciences, Inc.
911 5th Avenue, Suite 100
Kirkland, WA 98033

Dear Mr. Sondergaard:

Included are the results from the testing of material submitted on September 10, 2008 from the Geddes Marina/KV080118A, F&BI 809094 project. There are 29 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
AE10925R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on September 10, 2008 by Friedman & Bruya, Inc. from the Associated Earth Sciences, Inc. Geddes Marina/KV080118A, F&BI 809094 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Associated Earth Sciences, Inc.</u>
809094-01	S-1
809094-02	S-2
809094-03	S-3
809094-04	S-4
809094-05	S-5
809094-06	S-6
809094-07	S-7
809094-08	S-8

The 8270C calibration standard for Indeno(1,2,3-cd)pyrene failed for the analysis of sample S-1. The result is flagged accordingly.

All other quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/25/08
 Date Received: 09/10/08
 Project: Geddes Marina/KV080118A, F&BI 809094
 Date Extracted: 09/11/08
 Date Analyzed: 09/11/08

**RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING EPA METHOD 8021B AND NWTPH-Gx**
 Results Reported on a Dry Weight Basis
 Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl Benzene</u>	<u>Total Xylenes</u>	<u>Gasoline Range</u>	<u>Surrogate (% Recovery)</u> (Limit 50-150)
S-1 809094-01	<0.02	<0.02	<0.02	<0.06	<2	54
S-2 809094-02	<0.02	<0.02	<0.02	<0.06	<2	67
S-3 809094-03	<0.02	<0.02	<0.02	<0.06	<2	55
S-4 809094-04	<0.02	<0.02	<0.02	<0.06	<2	103
S-5 809094-05	<0.02	<0.02	<0.02	<0.06	<2	90
S-6 809094-06	<0.02	<0.02	<0.02	<0.06	<2	110
S-7 809094-07	<0.02	<0.02	<0.02	<0.06	<2	95
S-8 809094-08	<0.02	<0.02	<0.02	<0.06	<2	122
Method Blank	<0.02	<0.02	<0.02	<0.06	<2	82

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/25/08
 Date Received: 09/10/08
 Project: Geddes Marina/KV080118A, F&BI 809094
 Date Extracted: 09/11/08
 Date Analyzed: 09/11/08 and 09/12/08

**RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES
 FOR TOTAL PETROLEUM HYDROCARBONS AS
 DIESEL AND MOTOR OIL
 USING METHOD NWTPH-Dx
 Sample Extracts Passed Through a
 Silica Gel Column Prior to Analysis
 Results Reported on a Dry Weight Basis
 Results Reported as mg/kg (ppm)**

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 67-127)
S-1 809094-01	650 x	3,100	88
S-2 809094-02	1,600 x	5,700	86
S-3 809094-03	4,700 x	18,000	88
S-4 809094-04	300 x	1,500	85
S-5 809094-05	250 x	1,300	85
S-6 809094-06	690 x	3,400	87
S-7 809094-07	420 x	2,000	86
S-8 809094-08	<50	<250	95
Method Blank	<50	<250	92

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	S-1	Client:	Associated Earth Sciences, Inc.
Date Received:	09/10/08	Project:	KV080118A, F&BI 809094
Date Extracted:	09/11/08	Lab ID:	809094-01
Date Analyzed:	09/11/08	Data File:	809094-01.033
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	111	60	125
Indium	102	60	125
Holmium	101	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	26.0
Nickel	27.0
Copper	49.4
Zinc	251
Arsenic	6.21
Cadmium	1.30
Lead	120

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	S-2	Client:	Associated Earth Sciences, Inc.
Date Received:	09/10/08	Project:	KV080118A, F&BI 809094
Date Extracted:	09/11/08	Lab ID:	809094-02
Date Analyzed:	09/11/08	Data File:	809094-02.034
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	110	60	125
Indium	101	60	125
Holmium	100	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	36.5
Nickel	29.9
Copper	55.8
Zinc	276
Arsenic	15.5
Cadmium	1.94
Lead	376

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	S-3	Client:	Associated Earth Sciences, Inc.
Date Received:	09/10/08	Project:	KV080118A, F&BI 809094
Date Extracted:	09/11/08	Lab ID:	809094-03
Date Analyzed:	09/11/08	Data File:	809094-03.035
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	115	60	125
Indium	102	60	125
Holmium	103	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	65.9
Nickel	50.5
Copper	129
Zinc	471
Arsenic	17.2
Cadmium	3.73
Lead	302

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	S-4	Client:	Associated Earth Sciences, Inc.
Date Received:	09/10/08	Project:	KV080118A, F&BI 809094
Date Extracted:	09/11/08	Lab ID:	809094-04
Date Analyzed:	09/11/08	Data File:	809094-04.036
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	108	60	125
Indium	96	60	125
Holmium	99	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	35.9
Nickel	35.4
Copper	54.1
Zinc	81.6
Arsenic	20.7
Cadmium	<1
Lead	31.3

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	S-5	Client:	Associated Earth Sciences, Inc.
Date Received:	09/10/08	Project:	KV080118A, F&BI 809094
Date Extracted:	09/11/08	Lab ID:	809094-05
Date Analyzed:	09/11/08	Data File:	809094-05.037
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	114	60	125
Indium	99	60	125
Holmium	99	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	54.1
Nickel	42.4
Copper	65.5
Zinc	106
Arsenic	19.0
Cadmium	<1
Lead	99.3

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	S-6	Client:	Associated Earth Sciences, Inc.
Date Received:	09/10/08	Project:	KV080118A, F&BI 809094
Date Extracted:	09/11/08	Lab ID:	809094-06
Date Analyzed:	09/11/08	Data File:	809094-06.038
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	108	60	125
Indium	99	60	125
Holmium	99	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	42.2
Nickel	36.4
Copper	61.5
Zinc	105
Arsenic	17.9
Cadmium	<1
Lead	64.7

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	S-7	Client:	Associated Earth Sciences, Inc.
Date Received:	09/10/08	Project:	KV080118A, F&BI 809094
Date Extracted:	09/11/08	Lab ID:	809094-07
Date Analyzed:	09/11/08	Data File:	809094-07.039
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	109	60	125
Indium	95	60	125
Holmium	97	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	45.2
Nickel	36.8
Copper	91.3
Zinc	153
Arsenic	16.2
Cadmium	<1
Lead	110

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	S-8	Client:	Associated Earth Sciences, Inc.
Date Received:	09/10/08	Project:	KV080118A, F&BI 809094
Date Extracted:	09/11/08	Lab ID:	809094-08
Date Analyzed:	09/11/08	Data File:	809094-08.040
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	113	60	125
Indium	100	60	125
Holmium	100	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	41.0
Nickel	50.0
Copper	49.2
Zinc	57.4
Arsenic	17.4
Cadmium	<1
Lead	16.5

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Associated Earth Sciences, Inc.
Date Received:	NA	Project:	KV080118A, F&BI 809094
Date Extracted:	09/11/08	Lab ID:	I8-347 mb
Date Analyzed:	09/11/08	Data File:	I8-347 mb.023
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	102	60	125
Indium	102	60	125
Holmium	98	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	<1
Nickel	<1
Copper	<1
Zinc	<1
Arsenic	<1
Cadmium	<1
Lead	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/25/08
Date Received: 09/10/08
Project: Geddes Marina/KV080118A, F&BI 809094
Date Extracted: 09/11/08
Date Analyzed: 09/12/08

**RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES
FOR TOTAL MERCURY
USING EPA METHOD 1631E**

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	<u>Total Mercury</u>
S-1 809094-01	<0.2
S-2 809094-02	0.44
S-3 809094-03	0.31
S-4 809094-04	<0.2
S-5 809094-05	<0.2
S-6 809094-06	<0.2
S-7 809094-07	0.22
S-8 809094-08	<0.2
Method Blank	<0.2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C SIM

Client Sample ID:	S-1	Client:	Associated Earth Sciences, Inc.
Date Received:	09/10/08	Project:	KV080118A, F&BI 809094
Date Extracted:	09/12/08	Lab ID:	809094-01 1/500
Date Analyzed:	09/17/08	Data File:	091631.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	0 ds	50	150
Benzo(a)anthracene-d12	464 ds	35	159

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<1
Acenaphthylene	<1
Acenaphthene	<1
Fluorene	<1
Phenanthrene	3.3
Anthracene	<1
Fluoranthene	9.2
Pyrene	7.2
Benz(a)anthracene	2.5
Chrysene	4.5
Benzo(a)pyrene	3.0
Benzo(b)fluoranthene	4.3
Benzo(k)fluoranthene	2.3
Indeno(1,2,3-cd)pyrene	2.3 ca
Dibenz(a,h)anthracene	<1
Benzo(g,h,i)perylene	2.4

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C SIM

Client Sample ID:	S-2	Client:	Associated Earth Sciences, Inc.
Date Received:	09/10/08	Project:	KV080118A, F&BI 809094
Date Extracted:	09/12/08	Lab ID:	809094-02 1/250
Date Analyzed:	09/15/08	Data File:	091514.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	98	50	150
Benzo(a)anthracene-d12	146	35	159

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.5
Acenaphthylene	<0.5
Acenaphthene	<0.5
Fluorene	<0.5
Phenanthrene	2.1
Anthracene	0.61
Fluoranthene	5.9
Pyrene	4.7
Benz(a)anthracene	2.0
Chrysene	2.7
Benzo(a)pyrene	2.2
Benzo(b)fluoranthene	3.3
Benzo(k)fluoranthene	1.3
Indeno(1,2,3-cd)pyrene	1.7
Dibenz(a,h)anthracene	<0.5
Benzo(g,h,i)perylene	1.6

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C SIM

Client Sample ID:	S-3	Client:	Associated Earth Sciences, Inc.
Date Received:	09/10/08	Project:	KV080118A, F&BI 809094
Date Extracted:	09/12/08	Lab ID:	809094-03 1/250
Date Analyzed:	09/15/08	Data File:	091516.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	95	50	150
Benzo(a)anthracene-d12	145	35	159

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.5
Acenaphthylene	<0.5
Acenaphthene	<0.5
Fluorene	0.52
Phenanthrene	6.5
Anthracene	1.3
Fluoranthene	18
Pyrene	14
Benz(a)anthracene	5.6
Chrysene	8.9
Benzo(a)pyrene	6.9
Benzo(b)fluoranthene	11
Benzo(k)fluoranthene	4.0
Indeno(1,2,3-cd)pyrene	5.8
Dibenz(a,h)anthracene	1.1
Benzo(g,h,i)perylene	5.6

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C SIM

Client Sample ID:	S-4	Client:	Associated Earth Sciences, Inc.
Date Received:	09/10/08	Project:	KV080118A, F&BI 809094
Date Extracted:	09/12/08	Lab ID:	809094-04 1/50
Date Analyzed:	09/15/08	Data File:	091510.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	117	50	150
Benzo(a)anthracene-d12	128	35	159

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.1
Acenaphthylene	<0.1
Acenaphthene	<0.1
Fluorene	<0.1
Phenanthrene	0.15
Anthracene	<0.1
Fluoranthene	1.5
Pyrene	1.2
Benz(a)anthracene	0.44
Chrysene	0.68
Benzo(a)pyrene	0.59
Benzo(b)fluoranthene	1.1
Benzo(k)fluoranthene	0.39
Indeno(1,2,3-cd)pyrene	0.59
Dibenz(a,h)anthracene	0.11
Benzo(g,h,i)perylene	0.56

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C SIM

Client Sample ID:	S-5	Client:	Associated Earth Sciences, Inc.
Date Received:	09/10/08	Project:	KV080118A, F&BI 809094
Date Extracted:	09/12/08	Lab ID:	809094-05 1/50
Date Analyzed:	09/15/08	Data File:	091511.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	108	50	150
Benzo(a)anthracene-d12	117	35	159

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.1
Acenaphthylene	<0.1
Acenaphthene	<0.1
Fluorene	<0.1
Phenanthrene	0.16
Anthracene	<0.1
Fluoranthene	1.5
Pyrene	1.2
Benz(a)anthracene	0.44
Chrysene	0.71
Benzo(a)pyrene	0.53
Benzo(b)fluoranthene	0.88
Benzo(k)fluoranthene	0.36
Indeno(1,2,3-cd)pyrene	0.44
Dibenz(a,h)anthracene	0.10
Benzo(g,h,i)perylene	0.45

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C SIM

Client Sample ID:	S-6	Client:	Associated Earth Sciences, Inc.
Date Received:	09/10/08	Project:	KV080118A, F&BI 809094
Date Extracted:	09/12/08	Lab ID:	809094-06 1/50
Date Analyzed:	09/15/08	Data File:	091512.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	112	50	150
Benzo(a)anthracene-d12	118	35	159

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.1
Acenaphthylene	<0.1
Acenaphthene	<0.1
Fluorene	<0.1
Phenanthrene	<0.1
Anthracene	<0.1
Fluoranthene	0.62
Pyrene	0.53
Benz(a)anthracene	0.25
Chrysene	0.32
Benzo(a)pyrene	0.29
Benzo(b)fluoranthene	0.52
Benzo(k)fluoranthene	0.21
Indeno(1,2,3-cd)pyrene	0.29
Dibenz(a,h)anthracene	<0.1
Benzo(g,h,i)perylene	0.28

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C SIM

Client Sample ID:	S-7	Client:	Associated Earth Sciences, Inc.
Date Received:	09/10/08	Project:	KV080118A, F&BI 809094
Date Extracted:	09/12/08	Lab ID:	809094-07 1/50
Date Analyzed:	09/15/08	Data File:	091513.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	107	50	150
Benzo(a)anthracene-d12	116	35	159

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.1
Acenaphthylene	<0.1
Acenaphthene	<0.1
Fluorene	<0.1
Phenanthrene	0.17
Anthracene	<0.1
Fluoranthene	1.4
Pyrene	1.2
Benz(a)anthracene	0.43
Chrysene	0.63
Benzo(a)pyrene	0.56
Benzo(b)fluoranthene	1.1
Benzo(k)fluoranthene	0.39
Indeno(1,2,3-cd)pyrene	0.60
Dibenz(a,h)anthracene	0.11
Benzo(g,h,i)perylene	0.59

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C SIM

Client Sample ID:	S-8	Client:	Associated Earth Sciences, Inc.
Date Received:	09/10/08	Project:	KV080118A, F&BI 809094
Date Extracted:	09/12/08	Lab ID:	809094-08 1/5
Date Analyzed:	09/15/08	Data File:	091507.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	102	50	150
Benzo(a)anthracene-d12	111	35	159

Compounds:	Concentration mg/kg (ppm)
Naphthalene	0.016
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	0.011
Phenanthrene	0.033
Anthracene	<0.01
Fluoranthene	0.17
Pyrene	0.15
Benz(a)anthracene	0.045
Chrysene	0.058
Benzo(a)pyrene	0.055
Benzo(b)fluoranthene	0.098
Benzo(k)fluoranthene	0.033
Indeno(1,2,3-cd)pyrene	0.052
Dibenz(a,h)anthracene	0.010
Benzo(g,h,i)perylene	0.049

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C SIM

Client Sample ID:	Method Blank	Client:	Associated Earth Sciences, Inc.
Date Received:	NA	Project:	KV080118A, F&BI 809094
Date Extracted:	09/12/08	Lab ID:	081472mb 1/5
Date Analyzed:	09/15/08	Data File:	091506.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	106	50	150
Benzo(a)anthracene-d12	108	35	159

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benzo(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/25/08

Date Received: 09/10/08

Project: Geddes Marina/KV080118A, F&BI 809094

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES, AND TPH AS GASOLINE
USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 809097-07 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	94	70-130
Toluene	mg/kg (ppm)	0.5	92	70-130
Ethylbenzene	mg/kg (ppm)	0.5	92	70-130
Xylenes	mg/kg (ppm)	1.5	93	70-130
Gasoline	mg/kg (ppm)	20	99	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/25/08

Date Received: 09/10/08

Project: Geddes Marina/KV080118A, F&BI 809094

**QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
DIESEL EXTENDED USING METHOD NWTPH-Dx**

Laboratory Code: 809092-01 (Matrix Spike) Silica Gel

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	150	102	100	69-125	2

Laboratory Code: Laboratory Control Sample Silica Gel

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	103	70-127

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/25/08

Date Received: 09/10/08

Project: Geddes Marina/KV080118A, F&BI 809094

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL METALS USING EPA METHOD 200.8**

Laboratory Code: 809079-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	mg/kg (ppm)	9.52	9.57	1	0-20
Nickel	mg/kg (ppm)	17.4	18.8	8	0-20
Copper	mg/kg (ppm)	6.32	7.13	12	0-20
Zinc	mg/kg (ppm)	12.2	19.2	45 hr	0-20
Arsenic	mg/kg (ppm)	<1	<1	nm	0-20
Cadmium	mg/kg (ppm)	<1	<1	nm	0-20
Lead	mg/kg (ppm)	1.55	1.49	4	0-20

Laboratory Code: 809079-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Chromium	mg/kg (ppm)	50	9.52	91	50-150
Nickel	mg/kg (ppm)	25	17.4	99 b	50-150
Copper	mg/kg (ppm)	50	6.32	98	50-150
Zinc	mg/kg (ppm)	50	12.2	102 b	50-150
Arsenic	mg/kg (ppm)	10	<1	108	50-150
Cadmium	mg/kg (ppm)	10	<1	109	50-150
Lead	mg/kg (ppm)	20	1.55	109	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	mg/kg (ppm)	50	108	70-130
Nickel	mg/kg (ppm)	25	109	70-130
Copper	mg/kg (ppm)	50	105	70-130
Zinc	mg/kg (ppm)	50	107	70-130
Arsenic	mg/kg (ppm)	10	105	70-130
Cadmium	mg/kg (ppm)	10	106	70-130
Lead	mg/kg (ppm)	20	108	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/25/08

Date Received: 09/10/08

Project: Geddes Marina/KV080118A, F&BI 809094

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF SOIL SAMPLES FOR
TOTAL MERCURY
USING EPA METHOD 1631E**

Laboratory Code: 809079-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Mercury	mg/kg (ppm)	0.125	<0.2	70	105	50-150	40 vo

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Mercury	mg/kg (ppm)	0.125	100	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/25/08

Date Received: 09/10/08

Project: Geddes Marina/KV080118A, F&BI 809094

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL
SAMPLES FOR PNA'S BY EPA METHOD 8270C SIM**

Laboratory Code: 809094-08 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Naphthalene	mg/kg (ppm)	0.016	<0.01	nm
Acenaphthylene	mg/kg (ppm)	<0.01	<0.01	nm
Acenaphthene	mg/kg (ppm)	<0.01	<0.01	nm
Fluorene	mg/kg (ppm)	0.011	<0.01	nm
Phenanthrene	mg/kg (ppm)	0.033	0.015	75 h
Anthracene	mg/kg (ppm)	<0.01	<0.01	nm
Fluoranthene	mg/kg (ppm)	0.17	0.092	61 h
Pyrene	mg/kg (ppm)	0.15	0.080	61 h
Benz(a)anthracene	mg/kg (ppm)	0.045	0.029	43 h
Chrysene	mg/kg (ppm)	0.058	0.039	39 h
Benzo(b)fluoranthene	mg/kg (ppm)	0.098	0.065	40 h
Benzo(k)fluoranthene	mg/kg (ppm)	0.033	0.022	40 h
Benzo(a)pyrene	mg/kg (ppm)	0.055	0.035	44 h
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.052	0.031	51 h
Dibenz(a,h)anthracene	mg/kg (ppm)	0.010	<0.01	nm
Benzo(g,h,i)perylene	mg/kg (ppm)	0.049	0.031	45 h

Laboratory Code: 809094-08 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Naphthalene	mg/kg (ppm)	0.17	0.016	87	50-150
Acenaphthylene	mg/kg (ppm)	0.17	<0.01	86	16-167
Acenaphthene	mg/kg (ppm)	0.17	<0.01	89	58-108
Fluorene	mg/kg (ppm)	0.17	0.011	92	57-113
Phenanthrene	mg/kg (ppm)	0.17	0.033	91	30-138
Anthracene	mg/kg (ppm)	0.17	<0.01	83	42-132
Fluoranthene	mg/kg (ppm)	0.17	0.17	88 b	45-145
Pyrene	mg/kg (ppm)	0.17	0.15	85 b	44-139
Benz(a)anthracene	mg/kg (ppm)	0.17	0.045	91 b	17-134
Chrysene	mg/kg (ppm)	0.17	0.058	94 b	10-157
Benzo(b)fluoranthene	mg/kg (ppm)	0.17	0.098	98 b	28-134
Benzo(k)fluoranthene	mg/kg (ppm)	0.17	0.033	92	55-115
Benzo(a)pyrene	mg/kg (ppm)	0.17	0.055	94 b	37-123
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.17	0.052	85 b	61-104
Dibenz(a,h)anthracene	mg/kg (ppm)	0.17	0.010	89	69-100
Benzo(g,h,i)perylene	mg/kg (ppm)	0.17	0.049	87 b	60-105

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/25/08

Date Received: 09/10/08

Project: Geddes Marina/KV080118A, F&BI 809094

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL
SAMPLES FOR PNA'S BY EPA METHOD 8270C SIM**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Naphthalene	mg/kg (ppm)	0.17	85	94	72-112	10
Acenaphthylene	mg/kg (ppm)	0.17	74	85	68-112	14
Acenaphthene	mg/kg (ppm)	0.17	82	92	70-111	11
Fluorene	mg/kg (ppm)	0.17	82	93	69-110	13
Phenanthrene	mg/kg (ppm)	0.17	82	92	68-111	11
Anthracene	mg/kg (ppm)	0.17	74	83	67-110	11
Fluoranthene	mg/kg (ppm)	0.17	79	92	68-114	15
Pyrene	mg/kg (ppm)	0.17	78	92	68-114	16
Benz(a)anthracene	mg/kg (ppm)	0.17	76	84	58-108	10
Chrysene	mg/kg (ppm)	0.17	82	93	64-115	13
Benzo(b)fluoranthene	mg/kg (ppm)	0.17	80	94	54-119	16
Benzo(k)fluoranthene	mg/kg (ppm)	0.17	83	90	61-123	8
Benzo(a)pyrene	mg/kg (ppm)	0.17	73	82	54-111	12
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.17	77	84	46-126	9
Dibenz(a,h)anthracene	mg/kg (ppm)	0.17	82	91	57-119	10
Benzo(g,h,i)perylene	mg/kg (ppm)	0.17	80	89	60-116	11

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- A1 - More than one compound of similar molecule structure was identified with equal probability.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte indicated may be due to carryover from previous sample injections.
- d - The sample was diluted. Detection limits may be raised due to dilution.
- ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.
- dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.
- fb - The analyte indicated was found in the method blank. The result should be considered an estimate.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.
- ht - The sample was extracted outside of holding time. Results should be considered estimates.
- ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The result is below normal reporting limits. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.
- jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the compound indicated is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received in a container not approved by the method. The value reported should be considered an estimate.
- pr - The sample was received with incorrect preservation. The value reported should be considered an estimate.
- ve - The value reported exceeded the calibration range established for the analyte. The reported concentration should be considered an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The pattern of peaks present is not indicative of diesel.
- y - The pattern of peaks present is not indicative of motor oil.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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SEP 29 2008

September 25, 2008

Jon Sondergaard, Project Manager
Associated Earth Sciences, Inc.
911 5th Avenue, Suite 100
Kirkland, WA 98033

Dear Mr. Sondergaard:

Included are the results from the testing of material submitted on September 15, 2008 from the KV080118A, F&BI 809129 project. There are 43 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Michael August
AE10925R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on September 15, 2008 by Friedman & Bruya, Inc. from the Associated Earth Sciences, Inc. KV080118A, F&BI 809129 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Associated Earth Sciences, Inc.</u>
809129-01	HA-11
809129-02	HA-12
809129-03	HA-13
809129-04	HA-14
809129-05	EB-5 6'
809129-06	EB-4 5.5'
809129-07	EB-6 5.5'
809129-08	EB-7 5'
809129-09	EB-4 GW
809129-10	EB-5 GW
809129-11	EB-6 GW
809129-12	EB-7 GW

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/25/08
 Date Received: 09/15/08
 Project: KV080118A, F&BI 809129
 Date Extracted: 09/16/08
 Date Analyzed: 09/16/08

**RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING EPA METHOD 8021B AND NWTPH-Gx**
 Results Reported on a Dry Weight Basis
 Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl Benzene</u>	<u>Total Xylenes</u>	<u>Gasoline Range</u>	<u>Surrogate (% Recovery)</u> (Limit 50-150)
HA-11 809129-01	<0.02	<0.02	<0.02	<0.06	<2	87
HA-12 809129-02	<0.02	<0.02	<0.02	<0.06	<2	88
HA-13 809129-03	<0.02	<0.02	<0.02	<0.06	<2	86
HA-14 809129-04	<0.02	<0.02	<0.02	<0.06	<2	85
EB-5 6' 809129-05	<0.02	<0.02	<0.02	<0.06	<2	75
Method Blank	<0.02	<0.02	<0.02	<0.06	<2	100

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/25/08
Date Received: 09/15/08
Project: KV080118A, F&BI 809129
Date Extracted: 09/16/08
Date Analyzed: 09/16/08

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES AND TPH AS GASOLINE
USING EPA METHOD 8021B AND NWTPH-Gx
Results Reported as ug/L (ppb)**

<u>Sample ID</u> Laboratory ID	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl Benzene</u>	<u>Total Xylenes</u>	<u>Gasoline Range</u>	<u>Surrogate (% Recovery)</u> (Limit 52-124)
EB-4 GW 809129-09	<1	<1	<1	<3	<100	77
EB-5 GW 809129-10	<1	<1	<1	<3	<100	71
EB-6 GW 809129-11	<1	<1	<1	3	160	59
EB-7 GW 809129-12	<1	<1	<1	<3	<100	61
Method Blank	<1	<1	<1	<3	<100	72

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/25/08
Date Received: 09/15/08
Project: KV080118A, F&BI 809129
Date Extracted: 09/16/08
Date Analyzed: 09/18/08

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
DIESEL AND MOTOR OIL
USING METHOD NWTPH-Dx
Sample Extracts Passed Through a
Silica Gel Column Prior to Analysis
Results Reported as ug/L (ppb)**

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 51-132)
EB-4 GW dv 809129-09	78 x	<290	86
EB-5 GW d 809129-10 1/5	7,000 x	25,000	101
EB-6 GW 809129-11	87 x	320	92
EB-7 GW 809129-12	300 x	490	86
Method Blank	<50	<250	92

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/25/08
Date Received: 09/15/08
Project: KV080118A, F&BI 809129
Date Extracted: 09/17/08
Date Analyzed: 09/18/08

**RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
DIESEL AND MOTOR OIL
USING METHOD NWTPH-Dx
Sample Extracts Passed Through a
Silica Gel Column Prior to Analysis
Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)**

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> (% Recovery) (Limit 53-144)
EB-5 6' 809129-05	<50	<250	81
EB-4 5.5' 809129-06	<50	<250	81
EB-6 5.5' 809129-07	<50	750	77
EB-7 5' 809129-08	<50	<250	83
Method Blank	<50	<250	80

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/25/08
Date Received: 09/15/08
Project: KV080118A, F&BI 809129
Date Extracted: 09/17/08
Date Analyzed: 09/17/08

**RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
DIESEL AND MOTOR OIL
USING METHOD NWTPH-Dx**
Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> (% Recovery) (Limit 53-144)
HA-11 809129-01	<50	<250	75
HA-12 809129-02	<50	<250	78
HA-13 809129-03	<50	290	78
HA-14 809129-04	<50	<250	73
Method Blank	<50	<250	80

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	HA-11	Client:	Associated Earth Sciences, Inc.
Date Received:	09/15/08	Project:	KV080118A, F&BI 809129
Date Extracted:	09/19/08	Lab ID:	809129-01
Date Analyzed:	09/19/08	Data File:	809129-01.015
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	101	60	125
Indium	89	60	125
Holmium	93	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	20.4
Arsenic	14.8
Selenium	<1
Silver	<1
Cadmium	<1
Barium	87.4
Lead	26.4

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	HA-12	Client:	Associated Earth Sciences, Inc.
Date Received:	09/15/08	Project:	KV080118A, F&BI 809129
Date Extracted:	09/19/08	Lab ID:	809129-02
Date Analyzed:	09/19/08	Data File:	809129-02.016
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	98	60	125
Indium	90	60	125
Holmium	98	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	12.5
Arsenic	3.45
Selenium	<1
Silver	<1
Cadmium	1.97
Barium	26.8
Lead	17.4

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	HA-13	Client:	Associated Earth Sciences, Inc.
Date Received:	09/15/08	Project:	KV080118A, F&BI 809129
Date Extracted:	09/19/08	Lab ID:	809129-03
Date Analyzed:	09/19/08	Data File:	809129-03.017
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	96	60	125
Indium	86	60	125
Holmium	94	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	11.7
Arsenic	25.8
Selenium	<1
Silver	<1
Cadmium	4.09
Barium	35.9
Lead	41.7

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	HA-14	Client:	Associated Earth Sciences, Inc.
Date Received:	09/15/08	Project:	KV080118A, F&BI 809129
Date Extracted:	09/19/08	Lab ID:	809129-04
Date Analyzed:	09/19/08	Data File:	809129-04.019
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	96	60	125
Indium	87	60	125
Holmium	95	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	10.2
Arsenic	7.48
Selenium	<1
Silver	<1
Cadmium	1.09
Barium	18.9
Lead	66.8

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	EB-5 6'	Client:	Associated Earth Sciences, Inc.
Date Received:	09/15/08	Project:	KV080118A, F&BI 809129
Date Extracted:	09/19/08	Lab ID:	809129-05
Date Analyzed:	09/19/08	Data File:	809129-05.020
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	97	60	125
Indium	88	60	125
Holmium	96	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	28.4
Arsenic	15.0
Selenium	<1
Silver	<1
Cadmium	<1
Barium	24.0
Lead	43.5

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Associated Earth Sciences, Inc.
Date Received:	NA	Project:	KV080118A, F&BI 809129
Date Extracted:	09/19/08	Lab ID:	I8-359 mb
Date Analyzed:	09/19/08	Data File:	I8-359 mb.008
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	93	60	125
Indium	92	60	125
Holmium	99	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	<1
Arsenic	<1
Selenium	<1
Silver	<1
Cadmium	<1
Barium	<1
Lead	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	EB-4 GW	Client:	Associated Earth Sciences, Inc.
Date Received:	09/15/08	Project:	KV080118A, F&BI 809129
Date Extracted:	09/17/08	Lab ID:	809129-09 x5
Date Analyzed:	09/17/08	Data File:	809129-09 x5.080
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	90	60	125
Indium	74	60	125
Holmium	79	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	48.0
Arsenic	33.8
Selenium	35.1
Silver	<5
Cadmium	<5
Barium	331
Lead	79.9

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	EB-5 GW	Client:	Associated Earth Sciences, Inc.
Date Received:	09/15/08	Project:	KV080118A, F&BI 809129
Date Extracted:	09/17/08	Lab ID:	809129-10 x5
Date Analyzed:	09/17/08	Data File:	809129-10 x5.081
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	104	60	125
Indium	75	60	125
Holmium	82	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	125
Arsenic	77.9
Selenium	20.3
Silver	<5
Cadmium	<5
Barium	372
Lead	188

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	EB-6 GW	Client:	Associated Earth Sciences, Inc.
Date Received:	09/15/08	Project:	KV080118A, F&BI 809129
Date Extracted:	09/17/08	Lab ID:	809129-11 x10
Date Analyzed:	09/17/08	Data File:	809129-11 x10.054
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	121	60	125
Indium	74	60	125
Holmium	86	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	938
Arsenic	178
Selenium	22.3
Silver	5.49
Cadmium	19.0
Barium	4,770
Lead	2,030

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	EB-7 GW	Client:	Associated Earth Sciences, Inc.
Date Received:	09/15/08	Project:	KV080118A, F&BI 809129
Date Extracted:	09/17/08	Lab ID:	809129-12 x10
Date Analyzed:	09/17/08	Data File:	809129-12 x10.055
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	80	60	125
Indium	73	60	125
Holmium	78	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	89.5
Arsenic	44.2
Selenium	2.90
Silver	<10
Cadmium	<10
Barium	414
Lead	3,040

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Associated Earth Sciences, Inc.
Date Received:	NA	Project:	KV080118A, F&BI 809129
Date Extracted:	09/17/08	Lab ID:	i8-352 mb
Date Analyzed:	09/17/08	Data File:	i8-352 mb.045
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	64	60	125
Indium	65	60	125
Holmium	72	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	<1
Arsenic	<1
Selenium	<1
Silver	<1
Cadmium	<1
Barium	<1
Lead	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/25/08
Date Received: 09/15/08
Project: KV080118A, F&BI 809129
Date Extracted: 09/18/08
Date Analyzed: 09/19/08

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLES
FOR TOTAL MERCURY
USING EPA METHOD 1631E
Results Reported as ug/L (ppb)**

<u>Sample ID</u> Laboratory ID	<u>Total Mercury</u>
EB-4 GW 809129-09	<0.2
EB-5 GW 809129-10	0.29
EB-6 GW 809129-11	3.0
EB-7 GW 809129-12	0.26
Method Blank	<0.2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/25/08
Date Received: 09/15/08
Project: KV080118A, F&BI 809129
Date Extracted: 09/19/08
Date Analyzed: 09/19/08

**RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES
FOR TOTAL MERCURY
USING EPA METHOD 1631E**

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	<u>Total Mercury</u>
HA-11 809129-01	<0.2
HA-12 809129-02	<0.2
HA-13 809129-03	<0.2
HA-14 809129-04	<0.2
EB-5 6' 809129-05	<0.2
Method Blank	<0.2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C SIM

Client Sample ID:	HA-11	Client:	Associated Earth Sciences, Inc.
Date Received:	09/15/08	Project:	KV080118A, F&BI 809129
Date Extracted:	09/18/08	Lab ID:	809129-01 1/5
Date Analyzed:	09/19/08	Data File:	091914.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	87	50	150
Benzo(a)anthracene-d12	96	35	159

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	0.016
Fluorene	<0.01
Phenanthrene	0.032
Anthracene	0.014
Fluoranthene	0.075
Pyrene	0.065
Benz(a)anthracene	0.029
Chrysene	0.060
Benzo(a)pyrene	0.048
Benzo(b)fluoranthene	0.067
Benzo(k)fluoranthene	0.020
Indeno(1,2,3-cd)pyrene	0.034
Dibenz(a,h)anthracene	0.012
Benzo(g,h,i)perylene	0.052

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C SIM

Client Sample ID:	HA-12	Client:	Associated Earth Sciences, Inc.
Date Received:	09/15/08	Project:	KV080118A, F&BI 809129
Date Extracted:	09/18/08	Lab ID:	809129-02 1/5
Date Analyzed:	09/18/08	Data File:	091817.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	85	50	150
Benzo(a)anthracene-d12	87	35	159

Compounds:	Concentration mg/kg (ppm)
Naphthalene	0.023
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C SIM

Client Sample ID:	HA-13	Client:	Associated Earth Sciences, Inc.
Date Received:	09/15/08	Project:	KV080118A, F&BI 809129
Date Extracted:	09/18/08	Lab ID:	809129-03 1/5
Date Analyzed:	09/18/08	Data File:	091814.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	91	50	150
Benzo(a)anthracene-d12	96	35	159

Compounds:	Concentration mg/kg (ppm)
Naphthalene	0.023
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	0.024
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	0.012
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	0.021

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C SIM

Client Sample ID:	HA-14	Client:	Associated Earth Sciences, Inc.
Date Received:	09/15/08	Project:	KV080118A, F&BI 809129
Date Extracted:	09/18/08	Lab ID:	809129-04 1/5
Date Analyzed:	09/18/08	Data File:	091818.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	84	50	150
Benzo(a)anthracene-d12	88	35	159

Compounds:	Concentration mg/kg (ppm)
Naphthalene	0.012
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	0.032
Anthracene	<0.01
Fluoranthene	0.074
Pyrene	0.067
Benz(a)anthracene	0.034
Chrysene	0.067
Benzo(a)pyrene	0.050
Benzo(b)fluoranthene	0.11
Benzo(k)fluoranthene	0.034
Indeno(1,2,3-cd)pyrene	0.070
Dibenz(a,h)anthracene	0.014
Benzo(g,h,i)perylene	0.087

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C SIM

Client Sample ID:	EB-5 6'	Client:	Associated Earth Sciences, Inc.
Date Received:	09/15/08	Project:	KV080118A, F&BI 809129
Date Extracted:	09/18/08	Lab ID:	809129-05 1/5
Date Analyzed:	09/18/08	Data File:	091819.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	84	50	150
Benzo(a)anthracene-d12	88	35	159

Compounds:	Concentration mg/kg (ppm)
Naphthalene	0.033
Acenaphthylene	0.029
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	0.032
Anthracene	0.013
Fluoranthene	0.30
Pyrene	0.43
Benz(a)anthracene	0.52
Chrysene	0.62
Benzo(a)pyrene	0.77
Benzo(b)fluoranthene	0.91
Benzo(k)fluoranthene	0.27
Indeno(1,2,3-cd)pyrene	0.57
Dibenz(a,h)anthracene	0.11
Benzo(g,h,i)perylene	0.53

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C SIM

Client Sample ID:	Method Blank	Client:	Associated Earth Sciences, Inc.
Date Received:	NA	Project:	KV080118A, F&BI 809129
Date Extracted:	09/18/08	Lab ID:	081501mb 1/5
Date Analyzed:	09/18/08	Data File:	091805.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	76	50	150
Benzo(a)anthracene-d12	69	35	159

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C SIM

Client Sample ID:	EB-4 GW	Client:	Associated Earth Sciences, Inc.
Date Received:	09/15/08	Project:	KV080118A, F&BI 809129
Date Extracted:	09/16/08	Lab ID:	809129-09
Date Analyzed:	09/17/08	Data File:	091720.D
Matrix:	Water	Instrument:	GCMS6
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	81	50	150
Benzo(a)anthracene-d12	77	50	129

Compounds:	Concentration ug/L (ppb)
Naphthalene	<0.1
Acenaphthylene	<0.1
Acenaphthene	<0.1
Fluorene	<0.1
Phenanthrene	<0.1
Anthracene	<0.1
Fluoranthene	<0.1
Pyrene	<0.1
Benz(a)anthracene	<0.1
Chrysene	<0.1
Benzo(a)pyrene	<0.1
Benzo(b)fluoranthene	<0.1
Benzo(k)fluoranthene	<0.1
Indeno(1,2,3-cd)pyrene	<0.1
Dibenz(a,h)anthracene	<0.1
Benzo(g,h,i)perylene	<0.1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C SIM

Client Sample ID:	EB-5 GW	Client:	Associated Earth Sciences, Inc.
Date Received:	09/15/08	Project:	KV080118A, F&BI 809129
Date Extracted:	09/16/08	Lab ID:	809129-10
Date Analyzed:	09/17/08	Data File:	091725.D
Matrix:	Water	Instrument:	GCMS6
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	73	50	150
Benzo(a)anthracene-d12	71	50	129

Compounds:	Concentration ug/L (ppb)
Naphthalene	<0.1
Acenaphthylene	<0.1
Acenaphthene	<0.1
Fluorene	<0.1
Phenanthrene	<0.1
Anthracene	<0.1
Fluoranthene	<0.1
Pyrene	<0.1
Benz(a)anthracene	<0.1
Chrysene	<0.1
Benzo(a)pyrene	<0.1
Benzo(b)fluoranthene	0.11
Benzo(k)fluoranthene	<0.1
Indeno(1,2,3-cd)pyrene	<0.1
Dibenz(a,h)anthracene	<0.1
Benzo(g,h,i)perylene	<0.1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C SIM

Client Sample ID:	EB-6 GW	Client:	Associated Earth Sciences, Inc.
Date Received:	09/15/08	Project:	KV080118A, F&BI 809129
Date Extracted:	09/16/08	Lab ID:	809129-11 rr
Date Analyzed:	09/18/08	Data File:	091813.D
Matrix:	Water	Instrument:	GCMS6
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	85	50	150
Benzo(a)anthracene-d12	82	50	129

Compounds:	Concentration ug/L (ppb)
Naphthalene	1.6
Acenaphthylene	<0.1
Acenaphthene	<0.1
Fluorene	<0.1
Phenanthrene	<0.1
Anthracene	<0.1
Fluoranthene	<0.1
Pyrene	<0.1
Benz(a)anthracene	<0.1
Chrysene	<0.1
Benzo(a)pyrene	<0.1
Benzo(b)fluoranthene	<0.1
Benzo(k)fluoranthene	<0.1
Indeno(1,2,3-cd)pyrene	<0.1
Dibenz(a,h)anthracene	<0.1
Benzo(g,h,i)perylene	<0.1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C SIM

Client Sample ID:	EB-7 GW	Client:	Associated Earth Sciences, Inc.
Date Received:	09/15/08	Project:	KV080118A, F&BI 809129
Date Extracted:	09/16/08	Lab ID:	809129-12
Date Analyzed:	09/17/08	Data File:	091726.D
Matrix:	Water	Instrument:	GCMS6
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	80	50	150
Benzo(a)anthracene-d12	75	50	129

Compounds:	Concentration ug/L (ppb)
Naphthalene	<0.1
Acenaphthylene	<0.1
Acenaphthene	<0.1
Fluorene	<0.1
Phenanthrene	0.13
Anthracene	<0.1
Fluoranthene	<0.1
Pyrene	0.10
Benz(a)anthracene	<0.1
Chrysene	<0.1
Benzo(a)pyrene	<0.1
Benzo(b)fluoranthene	<0.1
Benzo(k)fluoranthene	<0.1
Indeno(1,2,3-cd)pyrene	<0.1
Dibenz(a,h)anthracene	<0.1
Benzo(g,h,i)perylene	<0.1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270C SIM

Client Sample ID:	Method Blank	Client:	Associated Earth Sciences, Inc.
Date Received:	NA	Project:	KV080118A, F&BI 809129
Date Extracted:	09/16/08	Lab ID:	081478mb
Date Analyzed:	09/17/08	Data File:	091711.D
Matrix:	Water	Instrument:	GCMS6
Units:	ug/L (ppb)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	87	50	150
Benzo(a)anthracene-d12	75	50	129

Compounds:	Concentration ug/L (ppb)
Naphthalene	<0.1
Acenaphthylene	<0.1
Acenaphthene	<0.1
Fluorene	<0.1
Phenanthrene	<0.1
Anthracene	<0.1
Fluoranthene	<0.1
Pyrene	<0.1
Benz(a)anthracene	<0.1
Chrysene	<0.1
Benzo(a)pyrene	<0.1
Benzo(b)fluoranthene	<0.1
Benzo(k)fluoranthene	<0.1
Indeno(1,2,3-cd)pyrene	<0.1
Dibenz(a,h)anthracene	<0.1
Benzo(g,h,i)perylene	<0.1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/25/08

Date Received: 09/15/08

Project: KV080118A, F&BI 809129

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES, AND TPH AS GASOLINE
USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 809122-02 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	0.03	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	88	70-130
Toluene	mg/kg (ppm)	0.5	84	70-130
Ethylbenzene	mg/kg (ppm)	0.5	86	70-130
Xylenes	mg/kg (ppm)	1.5	87	70-130
Gasoline	mg/kg (ppm)	20	102	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/25/08

Date Received: 09/15/08

Project: KV080118A, F&BI 809129

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES, AND TPH AS GASOLINE
USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 809114-23 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	ug/L (ppb)	<1	<1	nm
Toluene	ug/L (ppb)	<1	<1	nm
Ethylbenzene	ug/L (ppb)	<1	<1	nm
Xylenes	ug/L (ppb)	<3	<3	nm
Gasoline	ug/L (ppb)	<100	<100	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent	
			Recovery LCS	Acceptance Criteria
Benzene	ug/L (ppb)	50	87	65-118
Toluene	ug/L (ppb)	50	87	72-122
Ethylbenzene	ug/L (ppb)	50	86	73-126
Xylenes	ug/L (ppb)	150	84	74-118
Gasoline	ug/L (ppb)	1,000	98	69-134

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/25/08

Date Received: 09/15/08

Project: KV080118A, F&BI 809129

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS
DIESEL EXTENDED USING METHOD NWTPH-Dx**

Laboratory Code: Laboratory Control Sample Silica Gel

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	ug/L (ppb)	2,500	94	103	67-141	9

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/25/08

Date Received: 09/15/08

Project: KV080118A, F&BI 809129

**QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
DIESEL EXTENDED USING METHOD NWTPH-Dx**

Laboratory Code: 809140-04 (Matrix Spike) Silica Gel

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	101	102	71-137	1

Laboratory Code: Laboratory Control Sample Silica Gel

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	102	70-129

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/25/08

Date Received: 09/15/08

Project: KV080118A, F&BI 809129

**QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
DIESEL EXTENDED USING METHOD NWTPH-Dx**

Laboratory Code: 809140-04 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	98	99	71-137	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	99	70-129

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/25/08

Date Received: 09/15/08

Project: KV080118A, F&BI 809129

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL METALS USING EPA METHOD 200.8**

Laboratory Code: 809132-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	mg/kg (ppm)	12.4	11.8	5	0-20
Arsenic	mg/kg (ppm)	3.27	3.18	3	0-20
Selenium	mg/kg (ppm)	<1	<1	nm	0-20
Silver	mg/kg (ppm)	<1	<1	nm	0-20
Cadmium	mg/kg (ppm)	<1	<1	nm	0-20
Barium	mg/kg (ppm)	59.9	51.8	15	0-20
Lead	mg/kg (ppm)	75.4	109	36 hr	0-20

Laboratory Code: 809132-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Chromium	mg/kg (ppm)	50	12.4	101 b	50-150
Arsenic	mg/kg (ppm)	10	3.27	112 b	50-150
Selenium	mg/kg (ppm)	5	<1	88	50-150
Silver	mg/kg (ppm)	10	<1	110	50-150
Cadmium	mg/kg (ppm)	10	<1	108	50-150
Barium	mg/kg (ppm)	50	59.9	88 b	50-150
Lead	mg/kg (ppm)	20	75.4	166 b	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	mg/kg (ppm)	50	115	70-130
Arsenic	mg/kg (ppm)	10	112	70-130
Selenium	mg/kg (ppm)	5	106	70-130
Silver	mg/kg (ppm)	10	114	70-130
Cadmium	mg/kg (ppm)	10	111	70-130
Barium	mg/kg (ppm)	50	110	70-130
Lead	mg/kg (ppm)	20	113	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/25/08

Date Received: 09/15/08

Project: KV080118A, F&BI 809129

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF WATER SAMPLES
FOR TOTAL METALS USING EPA METHOD 200.8**

Laboratory Code: 809114-21 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	ug/L (ppb)	4.95	<1	nm	0-20
Arsenic	ug/L (ppb)	1.27	<1	nm	0-20
Selenium	ug/L (ppb)	<1	<1	nm	0-20
Silver	ug/L (ppb)	<1	<1	nm	0-20
Cadmium	ug/L (ppb)	<1	<1	nm	0-20
Barium	ug/L (ppb)	103	103	0	0-20
Lead	ug/L (ppb)	<1	<1	nm	0-20

Laboratory Code: 809114-21 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Chromium	ug/L (ppb)	20	4.95	88 b	50-150
Arsenic	ug/L (ppb)	10	1.27	111	50-150
Selenium	ug/L (ppb)	5	<1	108	50-150
Silver	ug/L (ppb)	5	<1	105	50-150
Cadmium	ug/L (ppb)	5	<1	108	50-150
Barium	ug/L (ppb)	50	103	107 b	50-150
Lead	ug/L (ppb)	10	<1	105	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	ug/L (ppb)	20	112	70-130
Arsenic	ug/L (ppb)	10	86	70-130
Selenium	ug/L (ppb)	5	94	70-130
Silver	ug/L (ppb)	5	104	70-130
Cadmium	ug/L (ppb)	5	97	70-130
Barium	ug/L (ppb)	50	105	70-130
Lead	ug/L (ppb)	10	103	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/25/08

Date Received: 09/15/08

Project: KV080118A, F&BI 809129

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF WATER SAMPLES FOR
TOTAL MERCURY
USING EPA METHOD 1631E**

Laboratory Code: 809148-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MS	Acceptance Criteria	RPD (Limit 20)
Mercury	ug/L (ppb)	0.5	<0.2	99	102	50-150	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Mercury	ug/L (ppb)	0.5	101	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/25/08

Date Received: 09/15/08

Project: KV080118A, F&BI 809129

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF SOIL SAMPLES FOR
TOTAL MERCURY
USING EPA METHOD 1631E**

Laboratory Code: 809132-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Mercury	mg/kg (ppm)	0.125	<0.2	111	133	50-150	18

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Mercury	mg/kg (ppm)	0.125	99	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/25/08

Date Received: 09/15/08

Project: KV080118A, F&BI 809129

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL
SAMPLES FOR PNA'S BY EPA METHOD 8270C SIM**

Laboratory Code: 809129-03 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Naphthalene	mg/kg (ppm)	0.023	0.027	16
Acenaphthylene	mg/kg (ppm)	<0.01	<0.01	nm
Acenaphthene	mg/kg (ppm)	<0.01	<0.01	nm
Fluorene	mg/kg (ppm)	<0.01	<0.01	nm
Phenanthrene	mg/kg (ppm)	<0.01	<0.01	nm
Anthracene	mg/kg (ppm)	<0.01	<0.01	nm
Fluoranthene	mg/kg (ppm)	<0.01	<0.01	nm
Pyrene	mg/kg (ppm)	0.024	0.022	9
Benz(a)anthracene	mg/kg (ppm)	<0.01	<0.01	nm
Chrysene	mg/kg (ppm)	<0.01	<0.01	nm
Benzo(b)fluoranthene	mg/kg (ppm)	0.012	0.012	0
Benzo(k)fluoranthene	mg/kg (ppm)	<0.01	<0.01	nm
Benzo(a)pyrene	mg/kg (ppm)	<0.01	<0.01	nm
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	<0.01	<0.01	nm
Dibenz(a,h)anthracene	mg/kg (ppm)	<0.01	<0.01	nm
Benzo(g,h,i)perylene	mg/kg (ppm)	0.021	0.019	10

Laboratory Code: 809129-03 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Naphthalene	mg/kg (ppm)	0.17	<0.01	89	50-150
Acenaphthylene	mg/kg (ppm)	0.17	<0.01	92	16-167
Acenaphthene	mg/kg (ppm)	0.17	<0.01	88	58-108
Fluorene	mg/kg (ppm)	0.17	<0.01	91	57-113
Phenanthrene	mg/kg (ppm)	0.17	<0.01	86	30-138
Anthracene	mg/kg (ppm)	0.17	<0.01	76	42-132
Fluoranthene	mg/kg (ppm)	0.17	<0.01	88	45-145
Pyrene	mg/kg (ppm)	0.17	<0.01	88	44-139
Benz(a)anthracene	mg/kg (ppm)	0.17	<0.01	84	17-134
Chrysene	mg/kg (ppm)	0.17	<0.01	88	10-157
Benzo(b)fluoranthene	mg/kg (ppm)	0.17	<0.01	86	28-134
Benzo(k)fluoranthene	mg/kg (ppm)	0.17	<0.01	88	55-115
Benzo(a)pyrene	mg/kg (ppm)	0.17	<0.01	84	37-123
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.17	<0.01	84	61-104
Dibenz(a,h)anthracene	mg/kg (ppm)	0.17	<0.01	83	69-100
Benzo(g,h,i)perylene	mg/kg (ppm)	0.17	<0.01	81	60-105

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/25/08

Date Received: 09/15/08

Project: KV080118A, F&BI 809129

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL
SAMPLES FOR PNA'S BY EPA METHOD 8270C SIM**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Naphthalene	mg/kg (ppm)	0.17	90	90	72-112	0
Acenaphthylene	mg/kg (ppm)	0.17	75	76	68-112	1
Acenaphthene	mg/kg (ppm)	0.17	88	87	70-111	1
Fluorene	mg/kg (ppm)	0.17	84	85	69-110	1
Phenanthrene	mg/kg (ppm)	0.17	88	85	68-111	3
Anthracene	mg/kg (ppm)	0.17	75	73	67-110	3
Fluoranthene	mg/kg (ppm)	0.17	80	79	68-114	1
Pyrene	mg/kg (ppm)	0.17	80	80	68-114	0
Benz(a)anthracene	mg/kg (ppm)	0.17	72	73	58-108	1
Chrysene	mg/kg (ppm)	0.17	87	86	64-115	1
Benzo(b)fluoranthene	mg/kg (ppm)	0.17	77	78	54-119	1
Benzo(k)fluoranthene	mg/kg (ppm)	0.17	83	82	61-123	1
Benzo(a)pyrene	mg/kg (ppm)	0.17	68	66	54-111	3
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.17	72	72	46-126	0
Dibenz(a,h)anthracene	mg/kg (ppm)	0.17	82	80	57-119	2
Benzo(g,h,i)perylene	mg/kg (ppm)	0.17	84	81	60-116	4

Note: The calibration verification result for benzo(a)anthracene-d12 and indeno(1,2,3-cd)pyrene exceeded 15% deviation. The average deviation for all compounds was not greater than 15%; therefore, the initial calibration is considered valid. This applies to samples 809129-02, 809129-03, 809129-04, and 809129-05.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/25/08

Date Received: 09/15/08

Project: KV080118A, F&BI 809129

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR PNA'S BY EPA METHOD 8270C SIM**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Naphthalene	ug/L (ppb)	5	77	78	68-101	1
Acenaphthylene	ug/L (ppb)	5	76	77	70-109	1
Acenaphthene	ug/L (ppb)	5	77	79	69-104	3
Fluorene	ug/L (ppb)	5	79	80	68-111	1
Phenanthrene	ug/L (ppb)	5	76	80	66-106	5
Anthracene	ug/L (ppb)	5	74	77	67-112	4
Fluoranthene	ug/L (ppb)	5	77	81	69-116	5
Pyrene	ug/L (ppb)	5	78	81	68-115	4
Benz(a)anthracene	ug/L (ppb)	5	73	72	65-102	1
Chrysene	ug/L (ppb)	5	75	76	66-103	1
Benzo(b)fluoranthene	ug/L (ppb)	5	79	82	70-117	4
Benzo(k)fluoranthene	ug/L (ppb)	5	81	81	64-116	0
Benzo(a)pyrene	ug/L (ppb)	5	78	79	68-116	1
Indeno(1,2,3-cd)pyrene	ug/L (ppb)	5	74	73	63-122	1
Dibenz(a,h)anthracene	ug/L (ppb)	5	80	79	66-116	1
Benzo(g,h,i)perylene	ug/L (ppb)	5	78	77	66-114	1

Note: The calibration verification result for benzo(a)anthracene-d12 and indeno(1,2,3-cd)pyrene exceeded 15% deviation. The average deviation for all compounds was not greater than 15%; therefore, the initial calibration is considered valid. This applies to sample 809129-11.

Note: The calibration verification result for indeno(1,2,3-cd)pyrene exceeded 15% deviation. The average deviation for all compounds was not greater than 15%; therefore, the initial calibration is considered valid. This applies to samples 809129-09, 809129-10, and 809129-12.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- A1 - More than one compound of similar molecule structure was identified with equal probability.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte indicated may be due to carryover from previous sample injections.
- d - The sample was diluted. Detection limits may be raised due to dilution.
- ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.
- dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.
- fb - The analyte indicated was found in the method blank. The result should be considered an estimate.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.
- ht - The sample was extracted outside of holding time. Results should be considered estimates.
- ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The result is below normal reporting limits. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.
- jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the compound indicated is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received in a container not approved by the method. The value reported should be considered an estimate.
- pr - The sample was received with incorrect preservation. The value reported should be considered an estimate.
- ve - The value reported exceeded the calibration range established for the analyte. The reported concentration should be considered an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The pattern of peaks present is not indicative of diesel.
- y - The pattern of peaks present is not indicative of motor oil.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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October 14, 2008

Jon Sondergaard, Project Manager
Associated Earth Sciences, Inc.
911 5th Avenue, Suite 100
Kirkland, WA 98033

OCT 20 2008

Dear Mr. Sondergaard:

Included are the amended results from the testing of material submitted on September 10, 2008 from the Geddes Marina/KV080118A, F&BI 809094 project. The metals have been corrected to the list requested on the chain of custody.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
AE10925R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	HA-11	Client:	Associated Earth Sciences, Inc.
Date Received:	09/15/08	Project:	KV080118A, F&BI 809094
Date Extracted:	09/19/08	Lab ID:	809129-01
Date Analyzed:	09/19/08	Data File:	809129-01.015
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	101	60	125
Indium	89	60	125
Holmium	93	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	20.4
Nickel	20.8
Copper	27.1
Zinc	271
Arsenic	14.8
Cadmium	<1
Lead	26.4

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	HA-12	Client:	Associated Earth Sciences, Inc.
Date Received:	09/15/08	Project:	KV080118A, F&BI 809094
Date Extracted:	09/19/08	Lab ID:	809129-02
Date Analyzed:	09/19/08	Data File:	809129-02.016
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	98	60	125
Indium	90	60	125
Holmium	98	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	12.5
Nickel	20.8
Copper	35.9
Zinc	135
Arsenic	3.45
Cadmium	1.97
Lead	17.4

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	HA-13	Client:	Associated Earth Sciences, Inc.
Date Received:	09/15/08	Project:	KV080118A, F&BI 809094
Date Extracted:	09/19/08	Lab ID:	809129-03
Date Analyzed:	09/19/08	Data File:	809129-03.017
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	96	60	125
Indium	86	60	125
Holmium	94	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	11.7
Nickel	14.7
Copper	37.5
Zinc	61.7
Arsenic	25.8
Cadmium	4.09
Lead	41.7

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	HA-14	Client:	Associated Earth Sciences, Inc.
Date Received:	09/15/08	Project:	KV080118A, F&BI 809094
Date Extracted:	09/19/08	Lab ID:	809129-04
Date Analyzed:	09/19/08	Data File:	809129-04.019
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	96	60	125
Indium	87	60	125
Holmium	95	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	10.2
Nickel	9.95
Copper	75.7
Zinc	133
Arsenic	7.48
Cadmium	1.09
Lead	66.8

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	EB-5 6'	Client:	Associated Earth Sciences, Inc.
Date Received:	09/15/08	Project:	KV080118A, F&BI 809094
Date Extracted:	09/19/08	Lab ID:	809129-05
Date Analyzed:	09/19/08	Data File:	809129-05.020
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	97	60	125
Indium	88	60	125
Holmium	96	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	28.4
Nickel	27.8
Copper	45.0
Zinc	42.1
Arsenic	15.0
Cadmium	<1
Lead	43.5

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Associated Earth Sciences, Inc.
Date Received:	Not Applicable	Project:	KV080118A, F&BI 809094
Date Extracted:	09/19/08	Lab ID:	I8-359 mb
Date Analyzed:	09/19/08	Data File:	I8-359 mb.008
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	93	60	125
Indium	92	60	125
Holmium	99	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	<1
Nickel	<1
Copper	<1
Zinc	<1
Arsenic	<1
Cadmium	<1
Lead	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	EB-4 GW	Client:	Associated Earth Sciences, Inc.
Date Received:	09/15/08	Project:	KV080118A, F&BI 809094
Date Extracted:	09/17/08	Lab ID:	809129-09 x5
Date Analyzed:	09/17/08	Data File:	809129-09 x5.080
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	90	60	125
Indium	74	60	125
Holmium	79	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	48.0
Nickel	49.6
Copper	65.7
Zinc	79.3
Arsenic	33.8
Cadmium	<5
Lead	79.9

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	EB-5 GW	Client:	Associated Earth Sciences, Inc.
Date Received:	09/15/08	Project:	KV080118A, F&BI 809094
Date Extracted:	09/17/08	Lab ID:	809129-10 x5
Date Analyzed:	09/17/08	Data File:	809129-10 x5.081
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	104	60	125
Indium	75	60	125
Holmium	82	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	125
Nickel	117
Copper	258
Zinc	271
Arsenic	77.9
Cadmium	<5
Lead	188

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	EB-6 GW	Client:	Associated Earth Sciences, Inc.
Date Received:	09/15/08	Project:	KV080118A, F&BI 809094
Date Extracted:	09/17/08	Lab ID:	809129-11 x10
Date Analyzed:	09/17/08	Data File:	809129-11 x10.054
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	121	60	125
Indium	74	60	125
Holmium	86	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	938
Nickel	957
Copper	1,050
Zinc	1,940
Arsenic	178
Cadmium	19.0
Lead	2,030

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	EB-7 GW	Client:	Associated Earth Sciences, Inc.
Date Received:	09/15/08	Project:	KV080118A, F&BI 809094
Date Extracted:	09/17/08	Lab ID:	809129-12 x10
Date Analyzed:	09/17/08	Data File:	809129-12 x10.055
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	80	60	125
Indium	73	60	125
Holmium	78	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	89.5
Nickel	89.0
Copper	118
Zinc	253
Arsenic	44.2
Cadmium	<10
Lead	3,040

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Associated Earth Sciences, Inc.
Date Received:	Not Applicable	Project:	KV080118A, F&BI 809094
Date Extracted:	09/17/08	Lab ID:	i8-352 mb
Date Analyzed:	09/17/08	Data File:	i8-352 mb.045
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	hr

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	64	60	125
Indium	65	60	125
Holmium	72	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	<1
Nickel	<1
Copper	<1
Zinc	<1
Arsenic	<1
Cadmium	<1
Lead	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/25/08

Date Received: 09/15/08

Project: KV080118A, F&BI 809129

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL METALS USING EPA METHOD 200.8**

Laboratory Code: 809132-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	mg/kg (ppm)	12.4	11.8	5	0-20
Nickel	mg/kg (ppm)	16.9	14.6	15	0-20
Copper	mg/kg (ppm)	35.7	38.3	7	0-20
Zinc	mg/kg (ppm)	72.1	86.7	18	0-20
Arsenic	mg/kg (ppm)	3.27	3.18	3	0-20
Cadmium	mg/kg (ppm)	<1	<1	nm	0-20
Lead	mg/kg (ppm)	75.4	109	36 hr	0-20

Laboratory Code: 809132-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Chromium	mg/kg (ppm)	50	12.4	101 b	50-150
Nickel	mg/kg (ppm)	25	16.9	93 b	50-150
Copper	mg/kg (ppm)	50	35.7	116 b	50-150
Zinc	mg/kg (ppm)	50	72.1	128 b	50-150
Arsenic	mg/kg (ppm)	10	3.27	112 b	50-150
Cadmium	mg/kg (ppm)	10	<1	108	50-150
Lead	mg/kg (ppm)	20	75.4	166 b	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	mg/kg (ppm)	50	115	70-130
Nickel	mg/kg (ppm)	25	113	70-130
Copper	mg/kg (ppm)	50	113	70-130
Zinc	mg/kg (ppm)	50	101	70-130
Arsenic	mg/kg (ppm)	10	112	70-130
Cadmium	mg/kg (ppm)	10	111	70-130
Lead	mg/kg (ppm)	20	113	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/25/08

Date Received: 09/15/08

Project: KV080118A, F&BI 809129

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF WATER SAMPLES
FOR TOTAL METALS USING EPA METHOD 200.8**

Laboratory Code: 809114-21 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	ug/L (ppb)	4.95	<1	nm	0-20
Nickel	ug/L (ppb)	5.67	4.95	14	0-20
Copper	ug/L (ppb)	3.16	2.72	15	0-20
Zinc	ug/L (ppb)	3.13	2.16	37 a	0-20
Arsenic	ug/L (ppb)	1.27	<1	nm	0-20
Cadmium	ug/L (ppb)	<1	<1	nm	0-20
Lead	ug/L (ppb)	<1	<1	nm	0-20

Laboratory Code: 809114-21 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Chromium	ug/L (ppb)	20	4.95	88 b	50-150
Nickel	ug/L (ppb)	20	5.67	104 b	50-150
Copper	ug/L (ppb)	20	3.16	101	50-150
Zinc	ug/L (ppb)	50	3.13	91	50-150
Arsenic	ug/L (ppb)	10	1.27	111	50-150
Cadmium	ug/L (ppb)	5	<1	108	50-150
Lead	ug/L (ppb)	10	<1	105	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	ug/L (ppb)	20	112	70-130
Nickel	ug/L (ppb)	20	111	70-130
Copper	ug/L (ppb)	20	107	70-130
Zinc	ug/L (ppb)	50	85	70-130
Arsenic	ug/L (ppb)	10	86	70-130
Cadmium	ug/L (ppb)	5	97	70-130
Lead	ug/L (ppb)	10	103	70-130