



PHASE I & LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT

3134 Wishkah Road
Aberdeen, Washington

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EXECUTIVE SUMMARY

This report presents the findings of a Phase I & Limited Phase II Environmental Site Assessment (ESA) for a residential property located at 3134 Wishkah Road, Aberdeen, Washington (the site). The site is located northeast of the intersection of Wishkah Road and Frosty Road in Aberdeen, Washington, and occupies one Grays Harbor County tax parcel, totaling approximately 27.51 acres of land. The site is a heavily vegetated parcel with the northern portion of the site improved with two mobile home residential structures and a cleared pasture. The site has also been improved with three sheds. There are multiple paths through the heavily vegetated areas. AMEC Environment & Infrastructure, Inc. (AMEC) performed the Phase I & Limited Phase II ESA on behalf of Grays Harbor County, a prospective purchaser of the property.

The Phase I ESA was conducted in accordance with ASTM International (ASTM) E 1527-05, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM 2005). ASTM E 1527-05 complies with the U.S. Environmental Protection Agency All Appropriate Inquiries Final Rule (40 Code of Federal Regulations 312), which was promulgated on November 1, 2005, and took effect on November 1, 2006. The purpose of this ESA is to compile and review available information about the site and its immediate vicinity to identify recognized environmental conditions (RECs) to the extent feasible pursuant to ASTM E 1527-05.

The site was undeveloped wooded land from at least 1915 through 1942, when a structure was observed on the northwestern corner of the site. By 1955 this structure was no longer present, and the site was vacant undeveloped land. In 1968, the current mobile home structure was established on the site. On topographic maps, the site appears as vacant land in 1915, and a structure is shown in the northwest corner of the site in 1942. The 1953 historical aerial photograph appears to show the site as vacant land; and the 1955 topographic map shows the site as vacant land. In the 1971 historical aerial photograph, the current structure on the site is shown. According to current Grays Harbor County tax assessor records, the current mobile home structure was built on the site in 1968.

The land north of the site is occupied by a Cascade Natural Gas substation, beyond which is heavily vegetated land. The Wishkah River is found to the east of the site, beyond which is heavily vegetated land. To the south of the site is a heavily vegetated parcel of land with a fishing cabin, beyond which is the Wishkah River. Adjacent to the west of the site is Wishkah Road, beyond which are single-family residences and one commercial property with a warehouse, junk vehicles, scrap metal, a forklift, and a loader.

On February 21, 2014, AMEC staff performed a site reconnaissance that included a cursory overview of adjoining and nearby properties. AMEC was accompanied by Mr. Tom Gray of Grays Harbor County during the site visit. AMEC was allowed unrestricted access to all portions of the site, with the



exception of areas that were too heavily vegetated to traverse and the interior of the residences, as the owner was not present to open the doors. The site is accessible from Wishkah Road via one dirt and two asphalt driveways on the northern portion of the site. The site is generally flat although uneven, and sharply descends at the bank of the Wishkah River. The site is a heavily vegetated parcel with the northern portion of the site improved with two mobile homes and a cleared pasture. The site has been improved with three sheds used for storage. There are multiple paths through the heavily vegetated areas. No indications of an underground storage tank were observed during the site reconnaissance. Six boats in need of repair, one rubber boat in need of repair, and one functioning boat were observed on the site. A number of these boats were deteriorated. Eight vehicles were also located on the site. AMEC observed a small fire pit to the south of the residences, a pile of tires near the residences, and several piles of debris in the pasture, as well as several treated wood logs partially buried on the edge of the heavily vegetated areas. Two rusted out 55-gallon drums were observed on the site. There are several ditches that traverse the property. AMEC observed that an open shed with a wood floor was built partially over the one of the ditches, and contained multiple 5-gallon gasoline containers without secondary containment.

AMEC interviewed Mr. John Schulz, the owner of the site, who stated that to his knowledge, the site has no known current or historical environmental conditions. Mr. Schultz informed AMEC that he had purchased the site in 2002 to be used as a residence and had no knowledge of the site's history prior to his purchase of the property.

The site was not listed on any of the environmental databases reviewed. No adjoining properties to the site were listed on any of the environmental databases reviewed.

AMEC requested documentation of any environmental hazards or releases for the site from the Washington State Department of Ecology (Ecology) Southwest Regional Office. Ecology provided an Environmental Report Tracking System record for the site. On April 25, 2006, Ecology received a complaint stating that the property was being used to store hulk vehicles which were leaking petroleum products onto the ground. Ecology conducted a site hazard assessment visit on June 22, 2006, and observed, scrap metal, boats, and miscellaneous debris; though no dark stains or odors were observed. No soil or water samples were collected. The property condition was deemed not to warrant listing as a contaminated site, and no further action was recommended.

No off-site properties were found to present a high risk to site soil and/or groundwater at this time, based on the extent of reported and/or known releases, the distances from the site, and inferred groundwater flow direction.

The following RECs were identified at the site during completion of this Phase I ESA:

- The gasoline storage cans with no containment located in the shed perched over the stream, due to the potential for fuel to have been released to soil;
- The two rusted 55-gallon drums observed during the Phase I ESA , and one additional drum observed during the Limited Phase II ESA field work, due to the unknown nature of their previous contents; and
- The deteriorated boats found on the site, due to the potential for fuel to have been released to soil, as well as metals and contaminants possibly associated with paint which may have been released to soil.

Also, a septic drain field is located on the site is a suspect REC, since septic drain systems can be used to dispose of oils and chemicals.

On March 28, 2014, AMEC personnel conducted a Limited Phase II ESA of the site to investigate the above RECs. During the Limited Phase II ESA, AMEC observed a third deteriorated drum on the southern portion of the site. AMEC collected discrete grab samples from the areas surrounding the three deteriorated drums, as well as from under the shed used to store gasoline; composite samples were collected from the areas where deteriorated boats are stored on the site. The grab samples from near the drums were analyzed for total petroleum hydrocarbons (TPH) and volatile organic compounds (VOCs). The grab sample from under the shed and the composite samples from near the boats were analyzed for TPH and lead.

All results for TPH and VOCs were either non-detect, below the Model Toxics Control Act (MTCA) Method A cleanup levels for soil, or were attributed to laboratory contaminants. Lead was found above the MTCA Method A cleanup levels in two of the composite samples from near the deteriorated boats. AMEC recommends either the removal of impacted soils from these areas and reporting the discovery and removal to Ecology by July 10, 2014; or if impacted soils are not to be removed, then the surface soil lead contamination should be immediately reported to Ecology. AMEC recommends closing the septic tank and drainfield according to state and local regulations, and if contamination is found that it be removed and properly disposed of. AMEC also recommends that the treated wood, which is a *de minimis* condition, be removed from the site.

The preceding summary is intended for introductory and reference use only, and should be used only in conjunction with a thorough reading of this complete report.

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ACRONYMS & ABBREVIATIONS

AAI	all appropriate inquiries
AMEC	AMEC Environment & Infrastructure, Inc.
AOC	area of concern
ASTM	ASTM International
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and xylenes
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Information System
CFR	Code of Federal Regulations
CORRACTS	Corrective Action Sites
CSCSL	Confirmed and Suspected Contaminated Sites List
DRO	diesel range organics
Ecology	Washington State Department of Ecology
EDR	Environmental Data Resources, Inc.
EPA	Environmental Protection Agency
EPCRA	Emergency Planning and Community Right to Know Act
ESA	Environmental Site Assessment
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
FINDS	Facility Index System
FTTS	FIFRA/TSCA/EPCRA Tracking System
GRO	gasoline range organics
HAZNET	Hazardous Waste Information System
HSL	State Hazardous Sites List
LUST	leaking underground storage tank
mg/kg	milligrams/kilogram
MTCA	Model Toxics Control Act
NPL	National Priorities List
RCRA	Resource Conservation and Recovery Act
RECs	recognized environmental conditions
SQG	small quantity generator
TPH	Total petroleum hydrocarbons
TSCA	Toxic Substances Control Act
UST	underground storage tank
VOC	Volatile organic compound

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PHASE I & LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT

3134 Wishkah Road
Aberdeen, Washington

1.0 INTRODUCTION

This report presents the findings of a Phase I & Limited Phase II Environmental Site Assessment (ESA) for a residential property located at 3134 Wishkah Road in Aberdeen, Washington (the site), which is located northeast of the intersection of Wishkah Road and Frosty Road in Aberdeen, Washington (Figure 1). AMEC Environment & Infrastructure, Inc. (AMEC) performed the Phase I & Limited Phase II ESA on behalf of Grays Harbor County. Grays Harbor County is a prospective purchaser of the property.

The Phase I ESA was conducted in accordance with the ASTM International (ASTM) E 1527-05, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM, 2005). ASTM E 1527-05 complies with the U.S. Environmental Protection Agency (EPA) All Appropriate Inquiries (AAI) Final Rule (40 Code of Federal Regulations [CFR] 312), which was promulgated on November 1, 2005, and took effect on November 1, 2006.

1.1 Purpose

The purpose of this ESA is to compile and review available information about the site and its immediate vicinity to identify recognized environmental conditions (RECs) to the extent feasible pursuant to ASTM E 1527-05. According to the ASTM Standard, an REC is defined as:

“...the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a threat to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate government agencies.”



1.2 Reason for Performing the ESA

AMEC understands that Grays Harbor County is considering acquiring the site and has commissioned this Phase I ESA to evaluate potential environmental conditions associated with the site prior to acquisition. The Phase I ESA has been prepared using the ASTM Standard and constitutes “all appropriate inquiry” into the previous ownership and uses of the property consistent with good commercial or customary practice, as defined in 42 United States Code §9601(35)(B).

1.3 Scope of Services

The scope of services for this ESA includes the following tasks:

- Conduct site reconnaissance to observe and document current conditions and activities at the site.
- Conduct a visual survey of immediately adjacent parcels from the site or from public areas.
- Interview key property managers and other individuals, as available.
- Interview a representative of a local environmental regulatory agency regarding potential environmental conditions, if applicable.
- Review historical documents; state, tribal, and local government records; or other restrictions on the site going back to 1940 or the first time the site was developed, if readily available.
- Review available historical aerial photographs for the site and vicinity.
- Review available Sanborn Fire Insurance maps for the site and vicinity.
- Review available historical topographic maps for the site and vicinity.
- Obtain a regulatory database search report to identify reported on-site and off-site chemical releases that may affect soil or groundwater conditions at the site.
- Summarize previous environmental investigations completed at the site and review additional environmental documents related to the site.
- Evaluate the data and identify data gaps, open issues, and key uncertainties.
- Collect soil samples in areas where RECs were observed, and analyze the samples.
- Prepare a report documenting these activities and identified RECs, including AMEC’s opinions on the significance of data gaps that remain insofar as they affect the ability to identify possible contamination.

1.4 Exclusions

This Phase I and Limited Phase II ESA does not include collection or chemical analysis of samples of soil, water, or air (except where noted); or a review of permits and compliance with permits. In addition, according to the ASTM Standard, the following issues are not part of the scope of a Phase I ESA:

- Asbestos-containing building materials;
- Lead in drinking water;
- Cultural and historic resources;
- Ecological resources;
- Biological agents;
- Radon;
- Industrial hygiene;
- Endangered species;
- Mold;
- Lead-based paint;
- Health and safety;
- Indoor air quality; and
- Geotechnical/seismic conditions.

1.5 Significant Assumptions

Based on local topography, groundwater flow in the site vicinity is expected to be to the south. Monitoring wells are not present on the site; therefore, groundwater elevations and groundwater flow directions could not be confirmed.

1.6 Limitations

This report does not constitute legal advice. In addition, AMEC makes no determination or recommendations regarding the decision to purchase, sell, or provide financing for the site.

According to the AAI rule (§312.20[a]), “all appropriate inquiries” pursuant to the Comprehensive Environmental Response, Compensation and Liability Act section 101(35)(B) must be conducted within one year prior to the date of acquisition of the site; however, some components of the Phase I ESA must be conducted within 180 days of the date of acquisition. Such components include



interviews, records searches, visits to the site and adjoining properties, and the declaration of the environmental professional who authored the report. Consequently, a future user of this report should be cognizant of the AAI rule limitations on “shelf life” of this, or any, Phase I ESA report.

The findings contained herein are relevant to the dates of the AMEC Site visit and should not be relied upon to represent conditions at later dates. Data presented herein are from discrete sampling points identified in our report and are not intended to represent conditions at unsampled locations.

1.6.1 Time Constraints

The opinion and conclusions presented in this report are based only on the site conditions observed and information reviewed at the time of this assessment. Information pertaining to site conditions or changes may exist that AMEC is not aware of or which we have not had the opportunity to evaluate within the time available for this ESA.

1.6.2 Uncertainty Not Eliminated

Per the ASTM Standard, no ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. The use of the ASTM Standard is intended to reduce, but not eliminate, this uncertainty.

Within the limitations of the agreed-upon scope of work and the ASTM Standard, AMEC has conducted this ESA in a professional manner in accordance with generally accepted practices, using the degree of skill and care ordinarily exercised by environmental consultants under similar circumstances. Due to physical limitations inherent to this or any environmental assessment, AMEC does not warrant that the site is free of pollutants or that all pollutants have been identified. As such, no absolute determination of environmental risks can be made. No other warranties, expressed or implied, are made.

1.6.3 Reliance on Information Provided by Others

AMEC has relied upon information provided by others in the evaluation of environmental site conditions reported herein. AMEC did not attempt to independently verify the accuracy or completeness of that information. To the extent that the opinion and conclusions in this report are based in whole or in part on such information, those conclusions are contingent on its accuracy and validity. AMEC assumes no responsibility for any consequence arising from any information or condition that was concealed, withheld, misrepresented, or otherwise not fully disclosed or available to AMEC.



1.7 User Reliance

AMEC has prepared this report entitled "Phase I & Limited Phase II Environmental Site Assessment" as a contractual deliverable to Grays Harbor County. AMEC assumes no responsibility or liability for use of this report, or portions of this report, for any reason other than as expressly stated in the scope of work dated November 14, 2013, and change order dated March 28, 2014 Grays Harbor County assumes all risks and liabilities associated with distribution and/or use of the data beyond the purpose stated in the scope of work.



2.0 SITE DESCRIPTION AND PHYSICAL SETTING

This section presents information regarding the ownership and location of the site, property and adjacent property uses, and roads and other improvements.

2.1 Location and Legal Description

The site is located northeast of the intersection of Wishkah Road and Frosty Road in Aberdeen, Washington (Figure 1). The site occupies one Grays Harbor County tax parcel, totaling approximately 27.51 acres of land. It is located in the northeast quarter of Section 33, Township 18 North, Range 9 West of the Willamette Meridian. The site is identified as Grays Harbor County tax parcel 180933210010.

2.2 Site and Vicinity General Characteristics

This section provides information regarding the site and the general characteristics of the adjoining properties.

2.2.1 Current Use of the Site

The general site configuration is presented in Figure 2. Site photographs are presented in Appendix A. The site contains two mobile home residential structures and three wood constructed sheds on the northern portion of the property.

2.2.2 Adjoining Property Uses

The uses of the adjoining and nearby properties are shown on Figure 2 and are summarized below:

- **North:** Cascade Natural Gas substation, beyond which is heavily vegetated land.
- **East:** The Wishkah River, beyond which is heavily vegetated land.
- **South:** Heavily vegetated land with a fishing cabin, beyond which is the Wishkah River.
- **West:** Wishkah Road, beyond which are single-family residences and one commercial property used by a contracting business with a warehouse, junk vehicles, scrap metal, a forklift, and a loader.

2.3 Physical Setting

This section describes the physical setting of the site, including topography, soil composition, geology, and groundwater.

2.3.1 Topography

Topographic coverage of the site vicinity is provided by the United States Geological Survey Aberdeen Gardens, Washington, 7.5-minute quadrangle. The site is located within a narrow valley floodplain of the Wishkah River. The site topography is generally flat with the surrounding area steeply sloping up to the east and west of the site. The elevation of the site is approximately 100 feet above mean sea level.

2.3.2 Soil Composition

Soil survey information for the site and surrounding properties was available on the United States Department of Agriculture Natural Resources Conservation Service Web Soil Survey website (USDA NRCS, 2013). The site was mapped as Ocosta silty clay loam and Lytell silt loam.

Ocosta silty clay loam accounts for 98 percent of the site and is commonly deposited in floodplains and deltas. This unit is poorly drained with an average slope of 0 to 2 percent. The water table is typically between 12 and 24 inches in this unit. Silty clay is found at 12 inches below ground surface (bgs), and clay is found at 20 inches bgs.

Lytell silt loam accounts for 2 percent of the site and is a colluvium derived from sandstone and siltstone, commonly deposited in at the base of hills due to rainwash or sheetwash. This unit is well drained with an average slope of 30 to 65 percent. The water table is typically greater than 80 inches bgs.

2.3.3 Geology

The site lies within the Humptulips Quadrangle, and is located in an area of Quaternary Deposits consisting of alluvium and glacial drift which are thick enough to mask the Tertiary rock (DNR, 1986). Alluvium is generally confined to streams and riverbeds, with glacial drift consisting of outwash sand and gravel deposits.

2.3.4 Groundwater

A review of the Washington State Department of Ecology (Ecology) well log database (Ecology, 2014) found no wells located on site. Well logs available for nearby properties indicated that groundwater was approximately 20 feet bgs; however, due to the distance and location of these wells with regards to the site, and the proximity of the river, AMEC staff believe that groundwater at the site will be much closer to the ground surface.



2.3.5 Surface Water

A review of the Federal Emergency Management Agency flood plain map panels numbered 5300570425B and 5300570325B, both dated September 29, 1986, and the Environmental Data Resources, Inc. (EDR) Radius Map Report was conducted to indentify flood issues or concerns in the vicinity of the target property. A review of the panel providing coverage of the site indicates that the site is located in Zone A. This zone is defined by areas that have been determined to be within the 100-year floodplain.

3.0 INFORMATION PROVIDED BY USER AND OWNER

A User ESA questionnaire (Appendix B) was provided to Mr. Tom Gray, County Surveyor/Right of Way Agent for Grays Harbor County. Mr. Gray completed the questionnaire on February 21, 2014. Mr. Gray is not aware of any historical environmental conditions associated with the site.

An Owner ESA questionnaire was provided to Mr. John Schultz, the current site owner. Mr. Schultz completed the questionnaire on February 22, 2014. Mr. Schultz is not aware of any historical environmental conditions associated with the site. He was aware of an investigation of his property by Ecology in 2006, which found no signs of contamination. This investigation is further discussed in Section 6.3.

3.1 Title Records

Mr. Gray provided AMEC with a copy of preliminary title documents for the site, prepared by Old Republic National Title Insurance Company and dated February 14, 2014. AMEC reviewed these documents and found no environmental liens or restricted uses due to environmental conditions on the site.

3.2 Environmental Liens or Activity and Use Limitations

Neither Mr. Schultz nor Mr. Gray are aware of any environmental cleanup liens against the site.

3.3 Specialized Knowledge

A verbal interview with Mr. Schultz was completed on March 12, 2014. According to Mr. Schultz, he has owned the property since 2002. Mr. Schultz stated that when he purchased the property it had been used by the previous owner to store equipment and debris from their handyman repair business. Mr. Schultz stated that he removed numerous batteries, paint cans, derelict cars, and other general debris that had been left on the site by the previous owner in the northern area where boats are currently stored.

Mr. Schultz stated that the Grays Harbor County Environmental Health Department and Ecology investigated his property, related to complaints that petroleum products were affecting wetlands on the site. Mr. Schultz stated that his property was determined not to warrant listing by Ecology. Further information provided by Mr. Schultz is provided in Section 6.2.

A verbal interview with Mr. Gray was completed on March 3, 2014. Mr. Gray has no specialized knowledge regarding the site.



3.4 Previous Environmental Reports

No previous environmental reports were provided to AMEC. A record of a site hazard investigation by Ecology was found and is discussed in Section 6.3.

3.5 Commonly Known or Reasonably Ascertainable Information

Mr. Schultz provided known or reasonably ascertainable information regarding the site, including address and site ownership information.

3.6 Valuation Reduction for Environmental Issues

ASTM Standard E1527-05 requires that the purchase price of the property be evaluated with respect to what its fair market value would be if the property were unaffected by petroleum products or hazardous substances. If a significant valuation difference occurs, it could indicate that environmental conditions exist that are negatively affecting the value of the property.

Mr. Gray indicated that because the purchase of the property is anticipated to be part of an eminent domain acquisition, the initial offer for the property must be at least fair market value.

3.7 Owner, Property Manager, and Occupant Information

Mr. John Schultz, the current owner of the site, was contacted during the preparation of this report. Mr. Schultz informed AMEC that he purchased the property in 2002. Mr. Schultz stated that he removed numerous batteries, paint cans, derelict cars, and other general debris that had been left on the site by the previous owner. Mr. Schultz has no knowledge of any underground or aboveground storage tanks currently or historically located on the site. Mr. Schultz stated that the site is serviced by a septic system and that the mobile homes are heated by wood stove. More details are provided in Section 6.2.

4.0 RECORDS REVIEW

The records reviewed for this ESA included standard environmental databases and readily available historical information. On January 16, 2014, AMEC requested an Ecology Southwest Regional Office file review. A response was received on January 21, 2014 from Ms. Susan Baxter of the Ecology Southwest Regional Office. The information from the review of these documents is described in Section 4.1.

4.1 Standard Environmental Record Sources

To perform the environmental records review, AMEC used the services of EDR, of Milford, Connecticut, a vendor specializing in the search and retrieval of government environmental databases. These federal, state, tribal, and local databases contain information regarding:

- Reported hazardous material use and storage;
- Facilities that treat, store, dispose of, or generate hazardous waste;
- Solid waste landfills, transfer stations, and incinerators;
- Leaking underground storage tanks (LUSTs);
- Discharges of petroleum and other hazardous substances; and
- Reported incidents of contamination.

The databases conform to the standard record sources identified in ASTM Standard E1527-05.

The EDR report is provided in Appendix C and includes a map showing the approximate locations of sites identified within a 1-mile radius of the site, a complete list of findings from the database search, and a description of the databases searched. The dates on which the various databases were last updated are included in the EDR report. Many databases were searched by EDR, including those required by ASTM E1527-05. The most relevant databases are listed below.

4.1.1 Federal Records

- EPA National Priorities List (NPL), Proposed NPL, and de-listed NPL;
- EPA Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) and CERCLIS-No Further Remedial Actions Planned lists;
- EPA Resource Conservation and Recovery Act (RCRA) Corrective Action Sites (CORRACTS) and RCRA non-CORRACTS Treatment, Storage, and Disposal Facilities databases;



- EPA Resource Conservation and Recovery Information System small quantity generator (SQG) and large quantity generator database, which list facilities that are regulated as small or large quantity generators of hazardous waste under RCRA regulations (conditionally exempt SQG);
- EPA Engineering Controls Sites List;
- EPA database for sites with institutional controls;
- Emergency Response Notification System database;
- EPA Brownfields Sites database;
- EPA Facility Index System (FINDS), a comprehensive database listing facilities regulated under a variety of EPA programs;
- Hazardous Substances Information Survey; and
- FTTS, a tracking system which tracks administrative cases and pesticide enforcement actions and compliance activities related to the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as well as the Toxic Substances Control Act (TSCA) and Emergency Planning and Community Right-to-Know Act (EPCRA).

4.1.2 Regional, State, and Local Records

- Ecology State Hazardous Sites List (HSL);
- Ecology Confirmed and Suspected Contaminated Sites List (CSCSL);
- CSCSL sites that have received a “no further action” (NFA) determination;
- Ecology Solid Waste Facilities/Landfill Sites;
- Ecology LUST Database;
- Ecology Underground Storage Tank (UST) Database;
- EPA Region 10 Underground Storage Tanks on Indian Land (INDIAN UST);
- Ecology Voluntary Cleanup Program Sites;
- Washington State hazardous waste manifest information; and
- Hazardous Waste Information System (HAZNET).

A complete list of all the databases searched, as well as further descriptions of the ASTM databases and ASTM supplemental databases that were searched, are included in the EDR report in Appendix C. The information provided by EDR is limited to what has been reported or registered in

each database. This information was used to evaluate whether these properties could potentially affect soil or groundwater beneath the site. Sites for which EDR was unable to resolve the exact location are listed as “orphan” sites; AMEC was able to resolve all of the orphan locations as explained in Section 4.1.3. Some of the more relevant sites identified are discussed in detail below.

4.1.2.1 Site

The site at 3134 Wishkah Road, Aberdeen, Washington was not listed on any of the reviewed environmental databases, though documentation on this facility was provided by Ecology’s Southwest Regional Office. Information obtained from Ecology files is further discussed in Section 6.3.

4.1.2.2 Adjoining and Nearby Properties

The Hensley’s Mobile Welding property is located cross-gradient from the site at 35 Frosty Way in Aberdeen, Washington. This property is approximately 1,100 feet west of the site and is listed on the EDR US HIST Auto Station databases. No releases associated with this facility were found. AMEC consider this facility not to be a concern to the site.

The Ludvigsen Property is located down-gradient from the site at 2723 Wishkah Road in Aberdeen, Washington. This property is approximately 2,610 feet southeast of the site and is listed on the ALLSITES, CSCSL No Further Action, and Recovered Government Archive State Hazardous Waste facilities databases. Additional information was obtained from the Ecology Southwest Regional Office files and is further discussed in Section 6.3.

4.1.3 Orphan Sites

The EDR report provided a list of 20 “orphan” sites that could not be located by EDR due to incomplete address information. AMEC reviewed the information provided in the EDR report to assess whether the properties listed indicated a potential release and/or impact to soil and groundwater. The listed orphan sites are either located more than 1 mile from the site, do not have a reported release of hazardous substances, and/or are situated down- or cross-gradient from the site and are therefore unlikely to impact the site.

4.2 Grays Harbor County Property Records

Property records were obtained from the Grays Harbor County Assessor’s databases. The site is composed of Grays Harbor County tax parcel 180933210010. The total area of the site is approximately 27.51 acres. The tax assessor records indicate one structure is present on the site, a mobile home located on the northwestern corner of the site built in 1968. A copy of the tax parcel information can be found in Appendix D.



4.3 Previous Environmental Reports

No previous environmental reports were provided to AMEC for review.

4.4 Historical Information

The following sources of information were requested from EDR, and were used to compile historical information about the site and surrounding properties:

- Aerial photographs;
- Topographic maps;
- City directory abstract; and
- Sanborn fire insurance maps.

This section summarizes the historical information pertaining to the site and surrounding properties.

4.4.1 Historical Aerial Photographs

Historical aerial photographs were provided by EDR for 1953, 1971, 1981, 1985, 1990, 1992, 1994, 2005, 2006, 2009 and 2011. Copies of the aerial photographs are presented in Appendix E.

Descriptions of the site and surrounding areas as depicted in the aerial photographs are presented below:

- The 1953 aerial photograph (scale: 1 inch to 750 feet) depicts the site and wooded land in the vicinity. The photo is blurry and small features do not appear clearly. No structures are visible on site. Residential structures are located to the north and west of the site.
- The 1971 aerial photograph (scale: 1 inch to 500 feet) shows the current structures found on the northwestern corner of the site. The surrounding area is unchanged from the 1971 photograph.
- The 1981 aerial photograph (scale: 1 inch to 1000 feet) depicts the site and surrounding area as unchanged, with the exception of a small structure in the southwest corner of the property adjacent to the south of the site.
- The 1985 aerial photograph (scale: 1 inch to 500 feet) depicts the site and surrounding area as unchanged from the 1981 photograph.
- The 1990 aerial photograph (scale: 1 inch to 500 feet) depicts the site and surrounding area as unchanged from the 1985 photograph, with the exception of increased residential development to the west of the site. Multiple additional small structures or vehicles can be seen to the south of the mobile homes.

- The 1992 through 2011 aerial photographs (scale: 1 inch to 500 feet) depict the site and surrounding area as unchanged from the 1990 photograph.

4.4.2 Historical Topographic Maps

Topographic maps were obtained from EDR for 1915, 1942, 1955 and 1990. Copies of the historical topographic maps are included in Appendix F. Descriptions of the site and surrounding areas as depicted in the topographic maps are presented below:

- The 1915 Hoquiam quad topographic map (1:62,500) shows the site as vacant undeveloped land. Wishkah Road is seen adjacent to the site, beyond which are two structures. A school is visible to the north of the site.
- The 1942 Humptulips quad topographic map (1:62,500) shows a structure on the site, near the location of the current mobile homes. Residential development is visible to the north and west of the site
- In the 1955 Humptulips quad topographic map (1:62,500), the structure previously found on the site is no longer present. The surrounding appears unchanged from the 1942 topographic map
- The 1990 Aberdeen Gardens quad topographic map (1:24,000), shows a structure which is perceived to be the current mobile homes in the northwest corner of the site. The surrounding area appears unchanged from the 1955 topographic map.

4.4.3 City Directory Abstracts

The city directory abstract included the years 1956, 1963, 1968, 1973, 1979, 1984, 1989, 1994, 1999, 2003, 2008, and 2013. The site owner was listed as Shelba Wallaert in 1999; and as John Schultz in 2003, 2008, and 2013. The neighboring properties appear to be residential in nature. The city directories from 1956 through 1994 do not list addresses higher than the 2800s along Wishkah Road. The city directory research for the site and adjoining properties are included in Appendix G.

4.4.4 Sanborn Fire Insurance Maps

No Sanborn Fire Insurance Map coverage was available for the site. Appendix H provides certification from EDR that Sanborn maps never covered the site.



5.0 SITE RECONNAISSANCE

Ms. Cherie Howland of AMEC conducted a site reconnaissance on February 21, 2013. Ms. Howland was accompanied by Mr. Tom Gray of Grays Harbor County during the site visit. Observations are summarized in this section.

5.1 Methodology and Limiting Conditions

AMEC was allowed unrestricted access to all portions of the site, with the exception of areas that were too heavily vegetated to traverse and the interior of the residences, as the owner was not present to open the doors. Selected photographs taken by AMEC during the site reconnaissance are included in Appendix A.

5.2 On-Site Observations

The site is accessible from Wishkah Road in Aberdeen, Washington. One dirt and two asphalt driveways on the northern portion of the site provide access from Wishkah Road. The site is generally flat although uneven, and sharply descends at the bank of the Wishkah River. The site is a heavily vegetated parcel with the northern portion of the site improved with two mobile home residential structures and a cleared pasture. The site has also been improved with three sheds used for storage. There are multiple paths through the heavily vegetated areas.

No generator was observed on the site, and no indications of a UST associated with a generator were observed during the site reconnaissance. Based on documentation provided by the Grays Harbor County Health Department, a septic tank and drainage field is assumed to be located north of the mobile homes, though no indication of a septic tank or drainage system was observed during the site reconnaissance. Six boats in need of repair, one rubber boat in need of repair, and one functioning boat were observed on the site. Eight vehicles were also located at the site. AMEC observed a small fire pit, several piles of debris, including household items, wood, and trash in the pasture, and a pile of tires near the residence.

On the southeastern edge of the pasture, several treated wood logs were observed to be piled or partially buried; AMEC considers these to be a *de minimis* condition. Two rusted 55-gallon drums were observed at the site, and one additional drum was observed during the Limited Phase II ESA field work, and their locations are depicted on Figure 2. There are several ditches that traverse the property. AMEC observed an open shed with a wood floor that contained multiple 5-gallon gasoline containers without secondary containment. The shed was built partially over the one of the ditches. Photographs of the site are provided in Appendix A.

5.3 Surrounding Properties

The land north of the site is developed with a Cascade Natural Gas substation. The Wishkah River lies east of the site, and a residential property is located south of the site. West of the site (across Wishkah Road) are single family residences and one property with a warehouse used by a contracting business with vehicles, scrap metal, a forklift and a loader. The uses of the adjoining and nearby properties are summarized in Section 2.2.2.



6.0 INTERVIEWS

This section summarizes interviews conducted for this ESA.

6.1 Agent to Prospective Purchaser

Mr. Tom Gray, County Surveyor/Right of Way Agent for Grays Harbor County, completed a questionnaire dated February 21, 2014. Mr. Gray stated that he is unaware of any spills or adverse environmental conditions associated with the site. Mr. Gray also stated that he is unaware of any adverse environmental conditions in the area that may have negatively impacted the site. During the site reconnaissance, Tom Gray informed AMEC that Cascade Natural Gas has plans to move the natural gas station to the east bank of the Wishkah River. Currently the natural gas pipeline runs under the Wishkah River.

6.2 Agent to Site Owner

Mr. John Schultz, the current owner of the site, was interviewed on March 12, 2014, and completed a questionnaire dated February 22, 2014. According to Mr. Schultz, he has owned the property since 2002. Mr. Schultz stated that when he purchased the property it had been used by the previous owner to store equipment and debris from their handyman repair business. Mr. Schultz stated that he removed numerous batteries, paint cans, derelict cars, and other general debris that had been left on the site by the previous owner.

Mr. Schultz stated that the Grays Harbor County Environmental Health Department and Ecology investigated his property in relation to complaints that petroleum products from derelict cars were affecting wetlands on the site. Mr. Schultz stated that soil samples were collected as part of the Ecology investigation, by a Ms. Fern Svendsen, and that his property had been determined not to warrant listing by Ecology.

6.3 Local Government Officials

AMEC requested information from the following personnel:

- Ecology Southwest Regional Office – AMEC contacted Ecology to determine whether records were on file for the site. AMEC also requested documentation regarding the neighboring Ludvigsen property.
- Grays Harbor County Health Department – AMEC requested as-built drawings of any septic tanks located on the site, as well as results of investigations of the site in 2005 and 2006.

- Grays Harbor Fire District #10 – AMEC requested any records that may relate to release of petroleum products or hazardous chemicals at the site. As of the writing of this report, no response has been received.

Ecology provided an Environmental Report Tracking System record for the site. On April 25, 2006, Ecology received a complaint stating that the property was being used to store hulk vehicles which were leaking petroleum products onto the ground. Ms. Svendsen of Ecology conducted a site hazard assessment visit on June 22, 2006, and observed scrap metal, boats, and miscellaneous debris; though no dark stains or odors were observed. No soil or water samples were collected. The property condition was deemed not to warrant listing as a contaminated site, and no further action was recommended. AMEC contacted Mr. Scott Rose of Ecology Toxic Cleanup Division, the supervisor of Ms. Svendsen (who has since retired), to determine if any additional work, as intimated by Mr. Schultz, was conducted at the site beyond what was provided by Ecology. Mr. Rose stated that he was unaware of any additional work and could find no documentation of work other than the June 2006 site visit.

The Ludvigsen property is located approximately 0.49 mile southeast of the site. Historically the property appears to have been a single-family residence. On February 10, 2005, Ecology received a complaint of oil and other fluids leaking to the ground from an illegal chop shop and vehicle repair activities on the property. Ecology conducted a site hazard assessment investigation and found no visual signs of contamination, unusual odors, hulk vehicles, scrap metal, or debris. No soil or water samples were collected. The assessment revealed no evidence of RECs in connection to the property. Ecology determined there was no further action needed on March 2, 2010.

AMEC requested as-built drawings of any septic tanks located on the site from Garret Dalan of the Grays Harbor County Health Department. One application was provided that showed a 750-gallon septic tank was approved to be installed on November 8, 1967. The drawing showed that the septic tank and drain field were found on the north side of the mobile home found on the property, and that the drain field extended to the west of the tank, away from the Wishkah River. The septic drain field is located on the site is a suspect REC, since septic drain systems can be used to dispose of oils and chemicals.

AMEC also attempted to contact Mr. Jeff Nelson of the Grays Harbor County Health Department regarding any sampling that may have been conducted on the site, but has not received a response as of the writing of this report.



7.0 LIMITED PHASE II ESA

AMEC conducted a Limited Phase II ESA of the site on March 28, 2014. Mr. Tyler Henningsen of AMEC was accompanied by Mr. Tom Gray of Grays Harbor County to collect soil sample in the three areas of concern (AOCs) identified on the site as having suspect REC conditions. The gasoline can storage shed was identified as AOC-1; the northern boat storage area was identified as AOC-2; and the southern boat storage area was identified as AOC-3. During the Phase I ESA site reconnaissance, AMEC found only two deteriorated drums on the site; however, during the Limited Phase II ESA sampling a third drum was found. This drum had a slight hydrocarbon odor. Sampling was conducted using a metal gardening trowel to obtain samples from the top 3 inches of soil. Between soil samples the trowel was decontaminated using a mix of Alconox, a mild detergent, and de-ionized water, wiped with a dedicated clean paper towel, and rinsed with de-ionized water. AMEC personnel wore nitrile gloves during the sampling event, with new gloves being donned between each sample. Grab samples were immediately containerized, while composite samples were mixed in a dedicated zip-lock bag and then containerized.

AMEC collected a grab sample from the soil under the shed in AOC-1 (SS-10) (Figure 3), and submitted the samples for analysis of petroleum hydrocarbon identification by TPH-HCID and lead by EPA Method 200.8; with analysis for gasoline range organics (GRO), diesel range organics (DRO), and benzene, toluene, ethylbenzene, and xylenes (BTEX) placed on hold pending the TPH-HCID results.

AOC-2 was divided into a grid of 24 individual areas and grouped into four sampling areas to collect composite samples (SS-05 through SS-08) (Figure 3). One composite sample made up of grab samples from six individual areas was collected in each of the sampling areas and was submitted for analysis of lead by EPA Method 200.8; and one grab sample was collected from the most likely location of total petroleum hydrocarbon (TPH) contamination from each sampling area (SS-05.3, SS-06.4, SS-07.4, and SS-08.4) and was submitted for analysis of hydrocarbon identification by TPH-HCID; with analysis for GRO, DRO, and BTEX placed on hold pending the TPH-HCID results. One grab sample was collected from adjacent to the drum found in AOC-2 (SS-09 and Dup-01) and was analyzed for petroleum hydrocarbon identification by TPH-HCID and volatile organic compounds (VOCs) by EPA Method 8260C; with analysis for GRO, DRO, and lead placed on hold pending the TPH-HCID results.

AOC-3 was divided into a grid of eight individual areas and grouped into two sampling areas to collect composite samples (SS-03 and SS-04) (Figure 4). One composite sample was collected for lead in each of the sampling areas; and one grab sample was collected from the most likely location of TPH contamination from each sampling area (SS-03.1 and SS-04.4) and was submitted for analysis of petroleum hydrocarbon identification by TPH-HCID; with analysis for GRO, DRO, and BTEX placed

on hold pending the TPH-HCID results. One grab sample was collected from adjacent to each of the two drums found near AOC-3 (SS-01 and SS-02) and the samples were analyzed for petroleum hydrocarbon identification by TPH-HCID and VOCs by EPA Method 8260C; with analysis for GRO, DRO, and lead placed on hold pending the TPH-HCID results.

The samples were stored on ice and delivered to Friedman & Bruya, Inc. laboratory in Seattle, WA on March 28, 2014. The lab report is included as Appendix I.

The analytical results found no detections of petroleum hydrocarbons in any of the samples. No VOCs were detected, with the exception of methylene chloride at 1.2 milligram per kilogram (mg/kg) in Dup-01, which exceeds the Ecology Model Toxics Control Act (MTCA) Method A Unrestricted Residential cleanup level of 0.02 mg/kg; however, this is attributed to laboratory contamination. The VOC p-isopropyltoluene, which is not listed as a parameter under MTCA, was detected in SS-09 and Dup-01 at 0.18 mg/kg. Lead was detected below the MTCA Method A CUL of 250 mg/kg in SS-04, SS-05, SS-06, SS-07, and SS-10, ranging from 12.0 mg/kg to 223 mg/kg. Lead was detected above the Method A CUL in SS-03 (603 mg/kg) and SS-08 (260 mg/kg). Tabulated analytical results are found on Table 1. SS-03 was collected from an area surrounding a painted wooden boat in AOC-3. SS-08 was collected from an area surrounding a shed and where it is believed that historically boats were stored.



8.0 FINDINGS

The following on-site conditions are considered RECs for the site:

- The gasoline storage cans with no containment that are located in the shed perched over the stream, due to the potential for fuel to have been released to soil;
- The two rusted 55-gallon drums observed during the Phase I ESA , and one additional drum observed during the Limited Phase II ESA field work, due to the unknown nature of their previous contents; and
- The deteriorated boats found on the site, due to the potential for fuel to have been released to soil, as well as metals possibly associated with paint which may have been released to soil.

Also, a septic drain field is located on the site is a suspect REC, since septic drain systems can be used to dispose of oils and chemicals.

No off-site properties were identified as RECs.

The Limited Phase II ESA has shown no evidence of contamination with regard to the gasoline storage located in the shed perched over the stream, from the area of the three deteriorated drums, or from the boats found on the site. The Limited Phase II ESA did determine that surface soil contamination of lead was found on two areas of the site.

9.0 OPINION

See Section 8.0 for discussion of on-site RECs identified during the completion of this Phase I ESA for the site. In addition, a septic drain field located on the site is a suspect REC, since septic drain systems can be used to dispose of oils and chemicals. Two sites located within a 1-mile radius of the site are listed on environmental regulatory databases; however, neither of these properties are considered to be a significant risk to site groundwater at this time based on the regulatory status, distance, or perceived gradient with regards to the site.

The Limited Phase II ESA has shown that surface soil contamination of lead exists on the site.

AMEC recommends either the removal of impacted soils from these areas and reporting the discovery and removal to Ecology by July 10, 2014; or if impacted soils are not to be removed, then immediate reporting to Ecology of the surface soil lead contamination should be done according to Washington Administrative Code 173-340-300. AMEC recommends closing the septic tank and drainfield according to state and local regulations, and if contamination is found that it be removed and properly disposed of. AMEC also recommends that the treated wood, which is a de minimis condition, be removed from the site.

9.1 Data Gaps

The EDR records had several gaps that are longer than the five-year intervals recommended by the ASTM standard. These gaps occurred from 1942 to 1953, 1955 to 1971, 1971 to 1981, and 1994 to 2005. More information would be valuable regarding the earlier gaps in time; however, given that the site was developed with the current residence in 1980, and prior to that was wooded vacant land, it is unlikely a REC would be missed in these time gaps.



10.0 CONCLUSIONS

AMEC has performed a Phase I ESA and Limited Phase II ESA of one subject parcel located in Pierce County, Washington, in conformance with the scope and limitations of ASTM Standard E 1527-05.

The following RECs were identified at the site during completion of this Phase I ESA:

- The gasoline storage cans with no containment that are located in the shed perched over the stream, due to the potential for fuel to have been released to soil;
- The two rusted 55-gallon drums observed during the Phase I ESA , and one additional drum observed during the Limited Phase II ESA field work, due to the unknown nature of their previous contents; and
- The deteriorated boats found on the site, due to the potential for fuel to have been released to soil, as well as metals and contaminants possibly associated with paint which may have been released to soil.

Also, a septic drain field is located on the site is a suspect REC, since septic drain systems can be used to dispose of oils and chemicals.

The Limited Phase II ESA conducted to address the above RECs has shown no evidence of contamination with regard to the gasoline storage located in the shed perched over the stream, from the area of the three deteriorated drums, or from the boats found on the site. The Limited Phase II ESA did determine that surface soil contamination of lead was found on two areas of the site.

10.1 Other Considerations

No other considerations were identified.

11.0 DEVIATIONS

No deviations or deletions from ASTM Standard E 1527-05 were made during preparation of this ESA, except for the data gaps discussed in Section 9.1.



12.0 ADDITIONAL SERVICES

No additional services were provided as part of this ESA.

13.0 CLOSURE

This report was prepared for the exclusive use of the Grays Harbor County, and is intended to provide a Phase I ESA and Limited Phase II ESA of the site at the time of the site visit. Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of the third party. Should additional parties require reliance on this report, written authorization from AMEC will be required. With respect to third parties, AMEC has no liability or responsibility for losses of any kind whatsoever, including direct or consequential financial effects on transactions or property values, or requirements for follow-up actions and costs.

The report is based on data and information collected during the Phase I ESA of the property conducted by AMEC. It is based solely on the conditions of the site encountered at the time of the site visit on February 21, 2014, supplemented by a review of historical information and data obtained by AMEC as described in this report, and discussion with a representative of the owner/occupant, as reported herein. Except as otherwise specified, AMEC disclaims any obligation to update this report for events taking place, or with respect to information that becomes available to AMEC after the time during which AMEC conducted the Phase I ESA.

In evaluating the property, AMEC has relied in good faith on information provided by other individuals noted in this report. AMEC has assumed that the information provided is factual and accurate. In addition, the findings in this report are based, to a large degree, upon information provided by the current owner/occupant. AMEC accepts no responsibility for any deficiency, misstatement or inaccuracy contained in this report as a result of omissions, misinterpretations or fraudulent acts of persons interviewed or contacted.

AMEC makes no other representations whatsoever, including those concerning the legal significance of its findings, or as to other legal matters touched on in this report, including, but not limited to, ownership of any property, or the application of any law to the facts set forth herein. With respect to regulatory compliance issues, regulatory statutes are subject to interpretation and change. Such interpretations and regulatory changes should be reviewed with legal counsel.

This Report is also subject to the further Standard Limitations contained in Appendix J.



14.0 REFERENCES

ASTM International, 2005, Standard E 1527-05, *Standard Practice for Environmental Site Assessments: Phase 1 Environmental Site Assessment Process*.

United States Department of Agriculture, Natural Resources Conservation Service (USDA NRCS), 2013, Soil Survey Geographic (SSURGO) database for Grays Harbor County Area, Pacific and Wahkiakum Counties, Washington, version 10, December 9.

Washington State Department of Ecology (Ecology), 2014, Well log viewer:
<http://apps.ecy.wa.gov/wellog/>, accessed February 10, 2014.

Washington State Department of Natural Resources (DNR), 1986, Geologic Map of the Humptulips Quadrangle and Adjacent Areas, Grays Harbor County, Washington, Geologic Map GM-33, Scale 1:62,500.

14.1 Personal Communication

Baxter, Susan, 2014, Washington State Department of Ecology Southwest Regional Office, email correspondence, January 21.

Dalan, Garrett, 2014, Grays Harbor County Health Department, email correspondence, January 22.

Gray, Tom, 2014, Grays Harbor County, phone and email correspondence, March 3.

Rose, Scott, 2014, Grays Harbor County Health Department, phone correspondence, March 12.

Schultz, John, 2014, property owner, phone correspondence, March 12.

15.0 ENVIRONMENTAL PROFESSIONAL SIGNATURE AND STATEMENT

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the site. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312. The resumes for the environmental professionals involved in conducting this Phase I ESA are included in Appendix J.

A handwritten signature in black ink, appearing to read "Meg Strong". The signature is fluid and cursive.

Meg Strong, L.Hg
Principal

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TABLES

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Table 1 - Surface Soil Analytical Results
3134 Wishkah Road
Aberdeen, Washington

Parameter	Units	Sample ID Sample Collection Date	SS-01	SS-02	SS-03	SS-04	SS-05	SS-06	SS-07	SS-08	SS-09	Dup-01 (SS-09)	SS-10
			3/28/2014	3/28/2014	3/28/2014	3/28/2014	3/28/2014	3/28/2014	3/28/2014	3/28/2014	3/28/2014	3/28/2014	3/28/2014
Total Petroleum Hydrocarbons													
Gasoline	mg/kg	30/100*	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Diesel	mg/kg	2,000	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
Heavy Oil	mg/kg	2,000	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250
Metals													
Lead	mg/kg	250	---	---	603	12.0	223	80.7	208	260	---	---	72.3
Volatile Organic Compounds													
1,1,1,2-Tetrachloroethane	mg/kg	38.46**	<0.1	<0.15	---	---	---	---	---	---	<0.1	<0.1	---
1,1,1-Trichloroethane	mg/kg	2	<0.1	<0.15	---	---	---	---	---	---	<0.1	<0.1	---
1,1,2,2-Tetrachloroethane	mg/kg	5**	<0.1	<0.15	---	---	---	---	---	---	<0.1	<0.1	---
1,1,2-Trichloroethane	mg/kg	17.54**	<0.1	<0.15	---	---	---	---	---	---	<0.1	<0.1	---
1,1-Dichloroethane	mg/kg	16,000***	<0.1	<0.15	---	---	---	---	---	---	<0.1	<0.1	---
1,1-Dichloroethene	mg/kg	4,000***	<0.1	<0.15	---	---	---	---	---	---	<0.1	<0.1	---
1,1-Dichloropropene	mg/kg	---	<0.1	<0.15	---	---	---	---	---	---	<0.1	<0.1	---
1,2,3-Trichlorobenzene	mg/kg	---	<0.5	<0.75	---	---	---	---	---	---	<0.5	<0.5	---
1,2,3-Trichloropropane	mg/kg	320***	<0.1	<0.15	---	---	---	---	---	---	<0.1	<0.1	---
1,2,4-Trichlorobenzene	mg/kg	34.5**	<0.5	<0.75	---	---	---	---	---	---	<0.5	<0.5	---
1,2,4-Trimethylbenzene	mg/kg	---	<0.1	<0.15	---	---	---	---	---	---	<0.1	<0.1	---
1,2-Dibromo-3-chloropropane	mg/kg	1.25**	<1	<1.5	---	---	---	---	---	---	<1	<1	---
1,2-Dibromoethane (EDB)	mg/kg	0.005	<0.1	<0.15	---	---	---	---	---	---	<0.1	<0.1	---
1,2-Dichlorobenzene	mg/kg	7,200***	<0.1	<0.15	---	---	---	---	---	---	<0.1	<0.1	---
1,2-Dichloroethane (EDC)	mg/kg	10.99**	<0.1	<0.15	---	---	---	---	---	---	<0.1	<0.1	---
1,2-Dichloropropane	mg/kg	---	<0.1	<0.15	---	---	---	---	---	---	<0.1	<0.1	---
1,3,5-Trimethylbenzene	mg/kg	800***	<0.1	<0.15	---	---	---	---	---	---	<0.1	<0.1	---
1,3-Dichlorobenzene	mg/kg	---	<0.1	<0.15	---	---	---	---	---	---	<0.1	<0.1	---
1,3-Dichloropropane	mg/kg	10**	<0.1	<0.15	---	---	---	---	---	---	<0.1	<0.1	---
1,4-Dichlorobenzene	mg/kg	---	<0.1	<0.15	---	---	---	---	---	---	<0.1	<0.1	---
2,2-Dichloropropane	mg/kg	---	<0.1	<0.15	---	---	---	---	---	---	<0.1	<0.1	---
2-Butanone (MEK)	mg/kg	48,000***	<1	<1.5	---	---	---	---	---	---	<1	<1	---
2-Chlorotoluene	mg/kg	1,600***	<0.1	<0.15	---	---	---	---	---	---	<0.1	<0.1	---
2-Hexanone	mg/kg	---	<1	<1.5	---	---	---	---	---	---	<1	<1	---
4-Chlorotoluene	mg/kg	---	<0.1	<0.15	---	---	---	---	---	---	<0.1	<0.1	---
4-Methyl-2-pentanone	mg/kg	6,400***	<1	<1.5	---	---	---	---	---	---	<1	<1	---
Acetone	mg/kg	72,000***	<1	<1.5	---	---	---	---	---	---	<1	<1	---
Benzene	mg/kg	0.03	<0.03 j	<0.03 j	---	---	---	---	---	---	<0.03 j	<0.03 j	---
Bromobenzene	mg/kg	---	<0.1	<0.15	---	---	---	---	---	---	<0.1	<0.1	---
Bromodichloromethane	mg/kg	16.13**	<0.1	<0.15	---	---	---	---	---	---	<0.1	<0.1	---
Bromoform	mg/kg	126.58**	<0.1	<0.15	---	---	---	---	---	---	<0.1	<0.1	---
Bromomethane	mg/kg	112***	<1	<1.5	---	---	---	---	---	---	<1	<1	---
Carbon tetrachloride	mg/kg	14.3**	<0.1	<0.15	---	---	---	---	---	---	<0.1	<0.1	---
Chlorobenzene	mg/kg	3.33**	<0.1	<0.15	---	---	---	---	---	---	<0.1	<0.1	---
Chloroethane	mg/kg	---	<1	<1.5	---	---	---	---	---	---	<1	<1	---
Chloroform	mg/kg	800***	<0.1	<0.15	---	---	---	---	---	---	<0.1	<0.1	---
Chloromethane	mg/kg	---	<1	<1.5	---	---	---	---	---	---	<1	<1	---
cis-1,2-Dichloroethene	mg/kg	160***	<0.1	<0.15	---	---	---	---	---	---	<0.1	<0.1	---

Table 1 - Surface Soil Analytical Results
3134 Wishkah Road
Aberdeen, Washington

		Sample ID	SS-01	SS-02	SS-03	SS-04	SS-05	SS-06	SS-07	SS-08	SS-09	Dup-01 (SS-09)	SS-10
		Sample Collection Date	3/28/2014	3/28/2014	3/28/2014	3/28/2014	3/28/2014	3/28/2014	3/28/2014	3/28/2014	3/28/2014	3/28/2014	3/28/2014
Volatile Organic Compounds (cont.)													
cis-1,3-Dichloropropene	mg/kg	---	<0.1	<0.15	---	---	---	---	---	---	<0.1	<0.1	---
Dibromochloromethane	mg/kg	11.90**	<0.1	<0.15	---	---	---	---	---	---	<0.1	<0.1	---
Dibromomethane	mg/kg	800***	<0.1	<0.15	---	---	---	---	---	---	<0.1	<0.1	---
Dichlorodifluoromethane	mg/kg	16,000***	<1	<1.5	---	---	---	---	---	---	<1	<1	---
Ethylbenzene	mg/kg	6	<0.1	<0.15	---	---	---	---	---	---	<0.1	<0.1	---
Hexachlorobutadiene	mg/kg	12.82**	<0.5	<0.75	---	---	---	---	---	---	<0.5	<0.5	---
Isopropylbenzene	mg/kg	8,000***	<0.1	<0.15	---	---	---	---	---	---	<0.1	<0.1	---
m,p-Xylene	mg/kg	16,000***	<0.2	<0.3	---	---	---	---	---	---	<0.2	<0.2	---
Methyl t-butyl ether (MTBE)	mg/kg	0.1	<0.1	<0.15	---	---	---	---	---	---	<0.1	<0.1	---
Methylene chloride	mg/kg	0.02	<1	<1.5	---	---	---	---	---	---	<1	1.2 lc	---
Naphthalene	mg/kg	5	<0.1	<0.15	---	---	---	---	---	---	<0.1	<0.1	---
n-Propylbenzene	mg/kg	8,000***	<0.1	<0.15	---	---	---	---	---	---	<0.1	<0.1	---
o-Xylene	mg/kg	16,000***	<0.1	<0.15	---	---	---	---	---	---	<0.1	<0.1	---
p-Isopropyltoluene	mg/kg	---	<0.1	<0.15	---	---	---	---	---	---	0.18	0.18	---
sec-Butylbenzene	mg/kg	---	<0.1	<0.15	---	---	---	---	---	---	<0.1	<0.1	---
Styrene	mg/kg	16,000***	<0.1	<0.15	---	---	---	---	---	---	<0.1	<0.1	---
tert-Butylbenzene	mg/kg	---	<0.1	<0.15	---	---	---	---	---	---	<0.1	<0.1	---
Tetrachloroethene	mg/kg	0.05	<0.05	<0.075	---	---	---	---	---	---	<0.05	<0.05	---
Toluene	mg/kg	7	<0.1	<0.15	---	---	---	---	---	---	<0.1	<0.1	---
trans-1,2-Dichloroethene	mg/kg	1,600***	<0.1	<0.15	---	---	---	---	---	---	<0.1	<0.1	---
trans-1,3-Dichloropropene	mg/kg	---	<0.1	<0.15	---	---	---	---	---	---	<0.1	<0.1	---
Trichloroethene	mg/kg	0.03	<0.03 j	<0.03 j	---	---	---	---	---	---	<0.03 j	<0.03 j	---
Trichlorofluoromethane	mg/kg	24,000***	<1	<1.5	---	---	---	---	---	---	<1	<1	---
Vinyl chloride	mg/kg	2,400***	<0.1	<0.15	---	---	---	---	---	---	<0.1	<0.1	---

Notes:

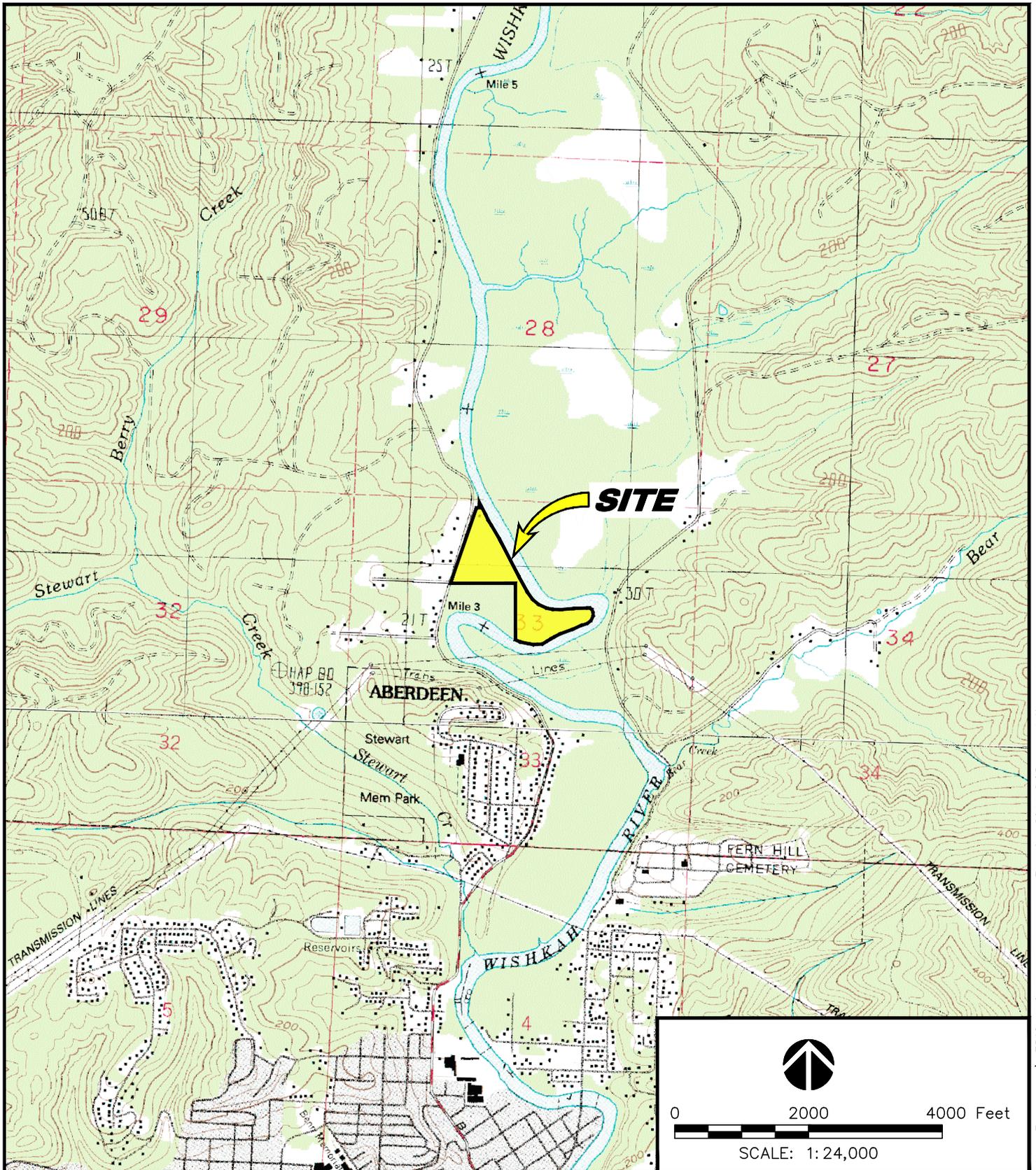
- CUL MTCA Method A Cleanup level, if no Method A CUL available then Method B CUL is shown
- j The result is below normal reporting limits. The value reported is an estimate.
- lc The presence of the compound indicated is likely due to laboratory contamination.
- mg/kg milligram/kilogram
- MTCA Washington State Department of Ecology Model Toxics Control Act
- ND Not detected
- Exceeds MTCA Method A CULs
- * lower value is if benzene is present, higher is if not
- ** MTCA Method B Carcinogen Cleanup level
- *** MTCA Method B Non-carcinogen Cleanup level
- No data or not analyzed

Prepared by: TMH 4/11/2014

Checked by: AMS 4/15/2014

FIGURES

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AMEC Environment & Infrastructure

11810 North Creek Parkway North
Bothell, WA, U.S.A. 98011-8201



CLIENT LOGO

CLIENT

GRAYS HARBOR COUNTY

PROJECT
PHASE I ESA - 3134 Wishkah Road, Aberdeen, Washington

DWN BY: JRS DATUM: NAD83 DATE: FEBRUARY 2014

TITLE
SITE LOCATION MAP

CHK'D BY: TMH REV. NO.: PROJECT NO: 3-915-17568-A

PROJECTION: WA STATE PLANE SCALE: AS SHOWN FIGURE No. 1

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LEGEND

▲ BOATS



0 400 800
 APPROXIMATE SCALE IN FEET

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CLIENT LOGO

CLIENT

GRAYS HARBOR COUNTY

PROJECT PHASE I ESA - 3134 Wishkah Road, Aberdeen, Washington

DWN BY: JRS DATUM: NAD83 DATE: MARCH 2014

TITLE SITE PLAN AND ADJOINING PROPERTIES

CHK'D BY: TMH REV. NO.: PROJECT NO: 3-915-17568-A

PROJECTION: WA STATE PLANE SCALE: AS SHOWN FIGURE No. 2

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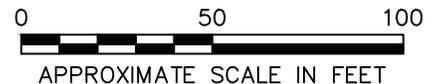
LEGEND

SS-05.4

SAMPLE LOCATION

SS-05.3

GRAB SAMPLE LOCATION



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GRAYS HARBOR COUNTY

PROJECT
 PHASE I ESA - 3134 Wishkah Road, Aberdeen, Washington

DWN BY: JRS

DATUM: NAD83

DATE: MARCH 2014

TITLE
 AREAS OF CONCERN 1 AND 2 EXPLORATION PLAN

CHK'D BY: TMH

REV. NO.:

PROJECT NO:
 3-915-17568-A

PROJECTION:
 WA STATE PLANE

SCALE:
 AS SHOWN

FIGURE No.
 3

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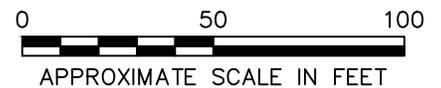
LEGEND

SS-04.2

SAMPLE LOCATION

SS-02

GRAB SAMPLE LOCATION



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CLIENT

GRAYS HARBOR COUNTY

PROJECT PHASE I ESA - 3134 Wishkah Road, Aberdeen, Washington

DWN BY: JRS

DATUM: NAD83

DATE: MARCH 2014

TITLE AREA OF CONCERN 3 EXPLORATION PLAN

CHK'D BY: TMH

REV. NO.:

PROJECT NO: 3-915-17568-A

PROJECTION: WA STATE PLANE

SCALE: AS SHOWN

FIGURE No. 4

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APPENDIX A

Site Reconnaissance Photographs

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Photo 1 – View of structures and vehicles on the site facing southeast.

Shed

Mobile Home



Photo 2 – View of wooden shed located to the south of the residential mobile homes.



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Environmental Site Assessment
March 2014

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Photo 3 – View of one of the three sheds on site, one of the nine boats found on the site, and a tire pile.

Boat

Tires



Photo 4 – View of the two mobile homes as well as a utility pole, facing northwest.

Utility Pole



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Photo 5 – View of a boat, a shed and one of the mobile home structures, facing southeast.



Photo 6 – View from road of collapsing shed and junk vehicle.



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Photo 7 – View of a remnant of a structure found to the south of the residential mobile home structures.



Photo 8 – Two junk boats and a deteriorated 55-gallon drum (painted blue) found to the south of the residential structures, view facing north.



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Photo 9 – View of two boats on the edge of the heavily vegetated area, facing south.



Photo 10 – View of a deflated rubber boats on the edge of the heavily vegetated area, facing south.



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Photo 11 – Partially buried treated wood found near stream along eastern portion of the site, view facing east.



Photo 12 – View of 55-gallon drum located in the southern heavily vegetated area of the site.



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Photo 13 – View of fire pit in back yard of main mobile home.

Lawn mower stored on the grass with no containment was observed .



Photo 14 – View of deteriorated boat frame in shallow river inlet found on the eastern portion of the site.



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Environmental Site Assessment
March 2014

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Photo 15 – Open shed found attached to one of the mobile homes, perched over a ditch, with multiple 5-gallon gasoline containers stored with no containment.



Photo 16 – View of the entrance to the site from Wishkah Road, facing northeast.



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Photo 17 – View of one of the pathways through part of the heavily vegetated area.



Photo 18 – View of a small bridge associated with one of the pathways.



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PHOTOGRAPH LOG



Photo 19 – View of the warehouse property adjacent to and west of the site, beyond Wishkah Road.



Photo 20 – View of the Cascade Natural Gas Regulator Station located north of the site.



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PHOTOGRAPH LOG



Photo 21 – View of the southernmost drum in AOC-3, sample SS-01.



Photo 22 – View of the northernmost drum in AOC-3, sample SS-02.



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Photo 23 – View of the painted wooden boat found in AOC-3, associated with sampling area SS-03.



Photo 24 – View of a boat found in AOC-3, associated with sampling area SS-04.



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PHOTOGRAPH LOG



Photo 25 – View of a boat found in AOC-2, associated with sampling area SS-05. The drum found in AOC-2, associated with SS-09, can be seen to the left of the boat.



Photo 26 – View of a boat found in AOC-2, associated with sampling area SS-06.



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Photo 27 – View of a boat found in AOC-2, associated with sampling area SS-07.



Photo 28 – View of a shed, tires, and PVC pipe found in AOC-2, associated with sampling area SS-08.



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Phase I
Environmental Site Assessment
March 2014

PHOTOGRAPH LOG

APPENDIX B

User and Owner Provided Information

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ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE
User-Provided Information

Subject Property: 3134 Wishkah Rd
Aberdeen, Washington

Project: Phase I Environmental Site Assessment

Introduction: The following questionnaire has been prepared in accordance with the US EPA All Appropriate Inquiries (AAI) Final Rule and ASTM International (ASTM) Standard E1527-05, Standard Practice for Environmental Site Assessments, adopted by the ASTM as part of the Phase I Environmental Site Assessment standard process.

Questionnaire Purpose: AMEC Environment & Infrastructure, Inc. (AMEC) has been retained to conduct an environmental site assessment of the subject property. The purpose of the assessment is to evaluate the property for evidence of hazardous waste or hazardous material releases to the environment. As the user of this Phase I, your input in the assessment is requested to collect information that is not found in the public records or is not visually apparent. Please answer the following questions by circling the appropriate response. The completed questionnaire should be signed by the preparer and returned to AMEC. You may send the completed questionnaire to:

AMEC Environment & Infrastructure, Inc.
11810 North Creek Pkwy N
Bothell, WA 98011
Attention: Tyler Henningsen

or by facsimile to (425) 368-1001

or by email to tyler.henningsen@amec.com

QUESTIONNAIRE:

PART I: ESA BACKGROUND INFORMATION

- A. What is the purpose of this ESA (e.g., property transaction, lease agreement, or refinancing)?

Purchase of the property

- B. If this is a property transaction, what type of transaction is it (e.g., sale, purchase, exchange)?

Eminent Domain Acquisition

- C. If the property is being considered for redevelopment, what type of use is planned (e.g., industrial, commercial, or residential)?

N/A

ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE
User-Provided Information

D. Do you have a required scope of services beyond the requirements of ASTM E1527-05 and the US EPA AAI Final Rule?

Unknown

E. Please provide an address, legal description of the property, or a map showing the property location and boundaries.

3134 Wishkah Rd Aberdeen WA 98520
Lot 1, less portion platted, less road, less Tax 9 and Lot 3
Section 33 Township 18 North Range 9 West, WM.

F. Please provide available title and judicial records for the subject property.

Ordered title reports, will forward when rec'd.

G. Please provide a site contact name, address, telephone number, or email address.

Tom Gray
100 W Broadway, Ste 31
Montesano WA 98563
(360) 964-1653 tgray@co.grays-harbor, wa.us

PART II: ENVIRONMENTAL QUESTIONS

A. 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:

- 1. Specialized Knowledge
- 2. Experience
- 3. Other?

Yes (Circle all that apply) No Unknown Comments (below)

ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE
User-Provided Information

B. 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 No Unknown Comments (below)

As an eminent domain acquisition the initial offer must be at least fair market value

C. 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 of this ESA, do you know of

1. The past uses of the property?
2. Specific chemicals that are present or once were present at the property?
3. Spills or other chemical releases that have occurred at the property?
4. Any environmental cleanups that have taken place at the property?

Yes (Circle all that apply) No Unknown Comments (below)

D. 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?

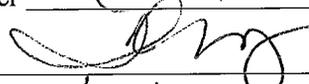
Yes No Unknown Comments (below)

ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE
User-Provided Information

E. Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, state, tribal or local law?

Yes No Unknown Comments (below)

This questionnaire was completed by:

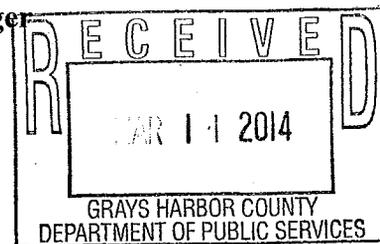
Name Tom Gray
Title County Surveyor / Right of Way Agent
Representing Grays Harbor County
Address 100 W. Broadway, Ste 31
City, State, Zip Montesano, WA 98563
Phone Number (360) 964-1653
Signature 
Date 2/21/2014

ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE

Property Owner/Representative or Facility Manager

Subject Property: 3134 Wishka Rd
Aberdeen, Washington

Project: Phase I Environmental Site Assessment



Introduction: The following questionnaire has been prepared in accordance with the U.S. EPA All Appropriate Inquiries (AAI) Final Rule and ASTM International (ASTM) Standard E1527-05, Standard Practice for Environmental Site Assessments, adopted by the ASTM as part of the Phase I Environmental Site Assessment standard process.

Questionnaire Purpose: AMEC Environment and Infrastructure, Inc. (AMEC) has been retained to conduct an environmental site assessment of the subject property. The purpose of the assessment is to evaluate the property for evidence of hazardous waste or hazardous material releases to the environment. As the property owner, owner's representative, or current or past lessee/tenant, your input in the assessment is requested to collect information that is not found in the public record or is not visually apparent. Please answer the following questions by circling the appropriate response. If an employee has better knowledge of property history related to hazardous waste or hazardous material releases, please have him or her complete a copy of the questionnaire. The completed questionnaire should be signed by the preparer and returned to AMEC. You may send the completed questionnaire to:

AMEC
221 S 28th St, Suite 102
Tacoma, WA 98402
Attention: Tyler Henningsen
or by facsimile to (425) 368-1001
or by email to tyler.henningsen@amec.com

QUESTIONNAIRE PART I: ESA BACKGROUND INFORMATION

A. Please provide current and historical addresses for the subject property:

3134 Wishkah Rd.
Aberdeen Wa
98520

B. Please provide a brief chronology of the subject property ownership and history:

I purchased in 2002. The rest (don't know)

ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE
Property Owner/Representative or Facility Manager

QUESTIONNAIRE PART II: ENVIRONMENTAL QUESTIONS

A. To your knowledge, is the subject property and/or adjoining property used or have/has been used in the past in the following manner:

1. Any industrial use
2. Gasoline station
3. Motor or equipment repair facility
4. Commercial printing facility
5. Dry cleaners
6. Photo developing laboratory
7. Junkyard or landfill
8. A waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)?

Yes (Circle all that apply)

No

Unknown

Comments:

B. Are there currently or have there been in the past any of the following materials stored at, used at, or brought onto the subject property or facility and/or adjoining property or facility (if applicable, identify which):

- ① Automotive or industrial batteries
2. Pesticides
- ③ Paint
4. Other chemicals
5. Fill dirt originated from a contaminated site or of an unknown origin (if applicable, identify which)?

Yes (Circle all that apply)

No

Unknown

Comments:

When I purchased the property a lot of batteries and paint were left on it. They have all been properly disposed of.

ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE

Property Owner/Representative or Facility Manager

C. Are there currently or have there been in the past any of the following features located on the property and/or adjoining property:

- 1. Pits
- 2. Lagoons or ponds
- 3. Clarifiers or sumps
- 4. Stained soil
- 5. Registered or unregistered storage tanks (above or underground) (if applicable, identify which)?

Yes (Circle all that apply)

No

Unknown

Comments:

D. To your knowledge, are there currently or have there been in the past any of the following objects or evidence located on the property or adjacent to any structure located on the property and/or adjoining property:

- 1. Vent pipes
- 2. Fill pipes
- 3. Access ways indicating a fill pipe protruding from the ground
- 4. Leaks, spill, or staining by substances other than water (if applicable, identify which)
- 5. Foul odors associated with any flooring, drains, walls, ceilings, or exposed ground (if applicable, identify which)?

Yes (Circle all that apply)

No

Unknown

Comments:

E. If the property and/or adjoining property is served by a private well or non-public water system, do you have any knowledge that:

ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE
Property Owner/Representative or Facility Manager

1. Contaminants have been identified in the well or system that exceed guidelines applicable to the water system
2. The well has been designated by any government environmental/health agency as being contaminated?

Yes (Circle all that apply) No Unknown

Comments: _____

- F. With respect to the property or any facility located on the property and/or adjoining property, do you have any knowledge of or have you been informed of:
- ~~1.~~ Past or current existence of hazardous substances or petroleum products.
 - ~~2.~~ Past or current existence of environmental violations
 - ~~3.~~ Any permits, orders, or waste discharge requirements issued by or requested from any environmental regulatory agency in relation to the properties.
 - ~~4.~~ Any environmental assessment indicating the presence or contamination of hazardous substances or petroleum products or recommended further assessment
 5. Any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substance or petroleum products?

Yes (Circle all that apply) No Unknown

Comments: _____

- G. Has the property and/or adjoining property discharged, dumped above grade, buried and/or burned any of the following materials on or adjacent to the property and/or into a storm water or sanitary sewer system (if applicable, identify which):
1. Wastewater (not including sanitary waste or storm water)
 2. Any hazardous substances or petroleum products
 3. Unidentified waste materials

ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE
Property Owner/Representative or Facility Manager

- 4. Tires
- 5. Automotive or industrial batteries
- 6. Any other waste materials?

Yes (Circle all that apply) No Unknown

Comments: _____

H. Are there or have there been any of the following equipment for which there are any records indicating the presence of polychlorinated biphenyls (PCBs)?

- 1. Transformer
- 2. Capacitor
- 3. Any hydraulic equipment?

Yes (Circle all that apply) No Unknown

Comments: _____

I. To your knowledge, have any environmental or geotechnical assessments of the property and/or adjoining property been conducted? Please provide the nature and dates of these assessments, if known.

- 1. Environmental
- 2. Geotechnical
- 3. Other?

Yes (Circle all that apply) No Unknown

Comments: *Date unknown approx 2006 DOF checked property because of a complaint*

ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE
Property Owner/Representative or Facility Manager

From my neighbor firsh, all to
be totally unfounded
These same neighbors have made
more then 100 complaints about
me over the 10 years I have
lived hear, all to be unfounded.

J. Are you aware of any environmental cleanup liens against the property, governmental orders, consent decrees, cleanup and abatement orders, or lawsuits that are filed or recorded under federal, state, tribal or local law?

Yes

No

Unknown

Comments:

ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE

Property Owner/Representative or Facility Manager

K. Are you aware of any activity or land use limitations, such as engineering controls, land use restrictions or institutional controls, that are in place on the site or that have been filed or recorded in a registry (40 CFR 312.26)? Please provide the nature and dates of these assessments, if known.

- 1. Engineering Controls (e.g., engineered cap, subsurface barrier wall, etc.)
- 2. Land Use Restrictions (e.g., industrial only, no groundwater removal, etc.)
- 3. Institutional Controls (e.g., deed restrictions, financial assurances, etc.)

Yes (Circle all that apply)

No

Unknown

Comments:

This questionnaire was completed by:

Name John J Schultz

Title Owner

Representing _____

Address 3134 Wishkah Rd.

City, State, Zip Aberdeen wa 98520.

Phone Number (360) 538-1587 (360) 580-5124

Signature John Schultz

Date 2/22/14



ALTA Commitment

COMMITMENT FOR TITLE INSURANCE
Issued by Old Republic National Title Insurance Company

OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY, a Minnesota corporation ("Company"), for a valuable consideration, 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, 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 (6) 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.

Issued through the office of:

Pacific Title Co., Inc.
133 S. First Street
P O Box 670
Montesano, WA 98563
360-249-4031


Authorized Officer or Agent

OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY
A Corporation
400 Second Avenue South, Minneapolis, Minnesota 55401
(612) 371-1111

By  President
Attest  Secretary

Exhibit A

**AMERICAN LAND TITLE ASSOCIATION
OWNER'S POLICY OF TITLE INSURANCE - 2006
EXCLUSIONS FROM COVERAGE**

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
 - (i) the occupancy, use, or enjoyment of the Land;
 - (ii) the character, dimensions, or location of any improvement erected on the Land;
 - (iii) the subdivision of land; or
 - (iv) environmental protection;or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.
- (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.
2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
3. Defects, liens, encumbrances, adverse claims, or other matters
 - (a) created, suffered, assumed, or agreed to by the Insured Claimant;
 - (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
 - (c) resulting in no loss or damage to the Insured Claimant;
 - (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 9 and 10); or
 - (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Title.
4. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction vesting the Title as shown in Schedule A, is:
 - (a) a fraudulent conveyance or fraudulent transfer; or
 - (b) a preferential transfer for any reason not stated in Covered Risk 9 of this policy.
5. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the deed or other instrument of transfer in Public Records that vests Title as shown in Schedule A.

EXCEPTIONS FROM COVERAGE – SCHEDULE B, PART ONE

This policy does not insure against loss or damage (and the Company will not pay costs, attorneys' fees or expenses) that arise by reason of:

1. (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.
2. Any facts, rights, interests, or claims that are not shown by the Public Records but that could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.
3. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.
4. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and not shown by the Public Records.
5. (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, whether or not the matters excepted under (a), (b), or (c) are shown by the public records.

PACIFIC TITLE CO., INC.

Privacy Policy Notice

PURPOSE OF THIS NOTICE

Title V of the Gramm-Leach-Bliley Act (GLBA) generally prohibits any financial institution, directly or through its affiliates, from sharing nonpublic personal information about you with a nonaffiliated third party unless the institution provides you with a notice of its privacy policies and practices, such as the type of information that it collects about you and the categories of persons or entities to whom it may be disclosed. In compliance with the GLBA, we are providing you with this document, which notifies you of the privacy policies and practices of **Pacific Title Co., Inc.**

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 [our affiliates or] 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 may disclose any of the above information that we collect about our customers or former customers to our affiliates or to nonaffiliated third parties as permitted by law.

We also may disclose this information about our customers or former customers to the following types of nonaffiliated companies that perform marketing services on our behalf or with whom we have joint marketing agreements:

- Financial service providers such as companies engaged in banking, consumer finance, securities and insurance.
- Non-financial companies such as envelope stuffers and other fulfillment service providers.

WE DO NOT DISCLOSE ANY NONPUBLIC PERSONAL INFORMATION ABOUT YOU WITH ANYONE FOR ANY PURPOSE THAT IS NOT SPECIFICALLY PERMITTED BY LAW.

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.

Pacific Title Co. Inc.

133 SO. FIRST STREET - P.O. BOX 670
MONTESANO, WASHINGTON 98563
Serving Grays Harbor County



TELEPHONE (360) 249-4031
FAX (360) 249-4106

Agent for
Old Republic National Title Insurance Company
Schedule A

Grays Harbor County
Attn: Tom Gray

1. Effective Date: **February 14, 2014 at 8:00 a.m.**

File Number: **E-75450**

2. Policy or policies to be issued:

a. **Standard Coverage Owner's Policy**

Owner's Policy to be issued: 2006 ALTA 1992

\$To Follow

Proposed Insured:

Grays Harbor County

b. **None**

Loan Policy to be issued: 2006 ALTA 1992

Proposed Insured:

c. **None**

Loan Policy to be issued: 2006 ALTA 1992

Proposed Insured:

PREMIUM INFORMATION:

A. General Rate	\$ To Follow	Tax: \$ To Follow	Total: \$ To Follow
B.	\$	Tax: \$	Total: \$
C.	\$	Tax: \$	Total: \$

3. The estate or interest in the land described or referred to in this Commitment is:

Fee Simple

4. Title to the estate or interest in the land is at the Effective Date vested in.

John J. Schultz, a single man on September 20, 2002, date of acquiring title

5. The land referred to in this Commitment is situated in the County of **Grays Harbor**, State of Washington and is more fully described as follows:

See Exhibit A attached hereto and made a part hereof.

Warren S. Drake, Jr. / cj

SCHEDULE B - SECTION I**Requirements:**

The following matters will not be listed as Special Exceptions in Schedule "B" of the Policy to be issued pursuant to this Commitment. Notwithstanding the absence of a Special Exception in Schedule "B" of the Policy to be issued, there will be no coverage for loss arising by reason of the matters listed below because these matters are either excepted from coverage under the General Exceptions section of Schedule "B", excluded from coverage under the Exclusions from Coverage or are not matters for which coverage is afforded under the insuring clauses of the Policy.

NOTES TO CLOSER:

1. Requirements: Instruments creating the estate or interest to be insured must be approved and filed of record.
2. Requirements: Payment of cancellation fee in accordance with our filed rate Schedule, to be imposed if this transaction is canceled for any reason.
3. This Commitment shall not obligate the Company to issue any Endorsement. All Endorsements to be issued must be agreed to by the Company and appropriate for the estate insured.
4. Any sketch or map enclosed as an attachment herewith is furnished for information purposes only to assist in property location with reference to streets and other parcels. No representation is made as to accuracy and the Company assumes no liability for any loss occurring by reason of reliance thereon.
5. **The land described in this commitment appears to be residential in nature and may be subject to the provisions of RCW 6.13.060 provided the land is occupied as a homestead. If the land is occupied as a homestead, all instruments conveying or encumbering the land must be executed by each spouse, individually, or by an attorney-in-fact.**

INFORMATIONAL NOTE: Under law passed by the 1996 Washington State Legislature, a new format is required for documents submitted for recording after January 1, 1997. Under this standardization, certain information is required on the first page of each Contract, Deed, Deed of Trust, etc. For your information, therefore, Title Company provides the following information:

Assessor's Property Tax Parcel No.: 180933210010
Abbreviated Legal Description: Ptn GL's 1 & 3 33-18-9

SCHEDULE B - SECTION 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.

GENERAL EXCEPTIONS:

- A. Rights or claims disclosed only by possession, or claimed possession, of the premises.
- B. Encroachments and questions of location, boundary and area disclosed only by inspection of the premises or by survey.
- C. Easements, prescriptive rights, rights-of-way, streets, roads, alleys or highways not disclosed by the public records.
- D. Any lien, or right to a lien, for contributions to employees benefit funds, or for state workers' compensation, or for services, labor or material heretofore or hereafter furnished, all as imposed by law and not shown by the public records.
- E. Taxes or special assessments which are not yet payable or which are not shown as existing liens by the public records.
- F. Any service, installation, connection, maintenance, or construction charges for sewer, water, electricity, natural gas or other utilities or garbage collection and disposal.
- G. Reservations or exceptions in United States Patents or in Acts authorizing the issuance thereof.
- H. Indian tribal codes or regulations, Indian treaty or aboriginal rights, including easements or equitable servitudes.
- I. Water rights, claims or title to water.
- J. 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.

SPECIAL EXCEPTIONS:

- 1. Lien of real estate excise sales tax upon any sale of said premises, if unpaid.
(The excise rate is 1.53%)
- 2. General taxes for 2014 payable after February 15, 2014, which become delinquent after April 30, 2014, if first half not paid:
Amount: \$174.36
Tax Account No.: 180933210010
- 3. Terms, covenants and conditions contained in Application for Current Use Classification, including liability for future taxes, rollbacks, penalties and interest upon breach of, or withdrawal from, said classification.
(Designated Forest Land)
- 4. Deed of Trust, to secure an indebtedness of \$58,000.00 including interest, advances or other obligations secured thereby;
Dated: September 20, 2002
Recorded: October 1, 2002
File No.: 2002-10010038
Grantor: John J. Schultz, a single man
Trustee: Coast Title & Escrow, Inc., a Washington corporation
Beneficiary: Shelba Wallaert, an unmarried woman, on date of acquiring title as her separate property

SCHEDULE B II - Continued

5. Reservations contained in instrument recorded March 26, 1943, under Auditor's File No. 427848, Volume 238 of Deeds, page 128, in part as follows:

"Reserving all oil, gases, coal, ores, minerals, fossils, etc., and the right of entry for opening, developing, and working the same; and providing that such rights shall not be exercised until provision has been made for full payment of all damages sustained by reason of such entry."

6. Reservations contained in instrument recorded August 17, 1945, under Auditor's File No. 448137, Volume 255 of Deeds, page 47, in part as follows:

"Reserving all oil, gases, coal, ores, minerals, fossils, etc., and the right of entry for opening, developing and working the same; and providing that such rights shall not be exercised until provision has been made for full payment of all damages sustained by reason of such entry."

7. Right-of-Way Agreement Contract, and the terms and conditions thereof;

Recorded: March 9, 1983
 Microfilm No.: 83-03890
 Grantor: Ronald R. Peterman
 Grantee: Grays Harbor County

8. Drainage Easement, and the terms and conditions thereof;

Recorded: September 2, 1983
 File No.: 830902004
 Grantee: Grays Harbor County
 For: Right to enter the property herein described for the purpose of establishing a 15 foot wide drainage easement to construct a TR. 1 Steel Culvert pipe 0.064 inch thick, 24 inches diameter, and 135 feet, more or less in length over, under and across the approximate location of the existing culvert from Wishkah County Road, 94311 to the Wishkah River.

9. Right-of-Way Easement, Construction, Drainage and Slope, and the terms and conditions thereof;

Recorded: September 2, 1983
 File No.: 830902005
 Grantee: Grays Harbor County
 Affects: A strip of land 50.00 feet in width lying East of the designed centerline as shown on the Right-of-Way Drawing 94311-16. All being in Government Lot 1, Section 33, Township 18 North, Range 9 West of the Willamette Meridian, Grays Harbor County, Washington, as follows:

"All that portion of land North of construction station 64+65. EXCEPTING THEREFROM the existing County Road."

10. Drainage Easement, and the terms and conditions thereof;

Recorded: October 27, 1983
 File No.: 831027021
 Grantee: Grays Harbor County
 For: Right to enter the herein described property for the purpose of constructing and maintaining a Tr. 1 Steel Culvert pipe 0.064 inch thick, 24 inches diameter, and 84 feet, more or less, in length over, under and across said Government Lot 1, 60.00 feet East of centerline, between engineer's Stations 62+50 and 62+75, as shown on Construction Drawing CRP 94311-16.

The Grantor agrees to clean and maintain the existing ditch which extends from the outlet of the newly-constructed 24 inch diameter culvert to the Wishkah River.

SCHEDULE B II - Continued

11. Any change in the boundary or legal description of the land described herein, due to a shift or change in the course of Wishkah River.
12. Rights of State of Washington to that portion of land, if any, lying in the bed of Wishkah River, if that waterway is navigable.
13. Any prohibition or limitation on the use, occupancy or improvements of the land resulting from the rights of the public or riparian owners to use any waters which may cover the land or to use any portion of the land which is now or may formerly have been covered by water, and the right of use, control or regulation by the United States of America in exercise of power over navigation.
14. The manufactured home, if any, located on the land described in Schedule "A" herein is not classified as real estate pursuant to RCW 65.20 and is expressly excluded from the coverage of this policy.

NOTE 1: THE COMPANY REQUIRES THE PROPOSED INSURED TO VERIFY THAT THE LAND COVERED BY THIS COMMITMENT IS THE LAND INTENDED TO BE CONVEYED IN THIS TRANSACTION. THE DESCRIPTION OF THE LAND MAY BE INCORRECT, IF THE APPLICATION FOR TITLE INSURANCE CONTAINED INCOMPLETE OR INACCURATE INFORMATION. NOTIFY THE COMPANY WELL BEFORE CLOSING IF CHANGES ARE NECESSARY. CLOSING INSTRUCTIONS MUST INDICATE THAT THE LEGAL DESCRIPTION HAS BEEN REVIEWED AND APPROVED BY ALL PARTIES.

NOTE 2: In the event that the Preliminary Commitment Jacket is not attached hereto, all of the terms, conditions and provisions contained in said Jacket are incorporated herein. The Commitment Jacket is available for inspection upon request.

END OF SCHEDULE B

Exhibit A

**Government Lot 1;
EXCEPT portions platted;
AND EXCEPT a tract of land in Section 33, Township 18 North, Range 9 West of the Willamette Meridian, being a part of Government Lot 1 of said Section, described as follows:**

Beginning at the intersection of the Easterly right-of-way of the Wishkah County Road and the North line of Section 33, Township 18 North, Range 9 West of the Willamette Meridian;

**Thence following said right-of-way line South 0° 36' West 100 feet;
Thence South 88° 50' East 41.7 feet to the bank of the Wishkah River;
Thence Northwesterly along said river bank to an intersection with the North line of aforementioned Section 33;
Thence North 88° 50' West 6 feet along Section line to the point of beginning;**

EXCEPT ROADS;

ALSO EXCEPT that portion conveyed to Grays Harbor County for Wishkah Road No. 94311 by Warranty Deed dated February 28, 1983, under Auditor's File No. 830309021, records of Grays Harbor County;

ALSO, Government Lot 3, EXCEPT Roads;

**ALL in Section 33, Township 18 North, Range 9 West of the Willamette Meridian;
Situate in the County of Grays Harbor, State of Washington.**

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APPENDIX C

EDR Report

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Wishkah Road

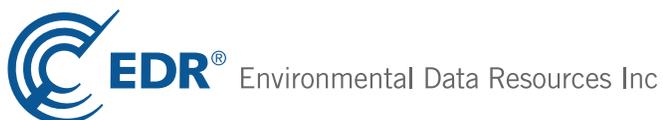
Wishkah Road

Aberdeen, WA 98520

Inquiry Number: 03837327.2r

January 22, 2014

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 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

WISHKAH ROAD
ABERDEEN, WA 98520

COORDINATES

Latitude (North): 47.0056000 - 47° 0' 20.16"
Longitude (West): 123.8117000 - 123° 48' 42.12"
Universal Transverse Mercator: Zone 10
UTM X (Meters): 438294.7
UTM Y (Meters): 5205887.5

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 47123-A7 ABERDEEN GARDENS, WA
Most Recent Revision: 1990

South Map: 46123-H7 ABERDEEN, WA
Most Recent Revision: 1994

AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year: 2011
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

NPL..... National Priority List

EXECUTIVE SUMMARY

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

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
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
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls
LUCIS..... Land Use Control Information System

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent NPL

HSL..... Hazardous Sites List

State- and tribal - equivalent CERCLIS

CSCSL..... Confirmed and Suspected Contaminated Sites List

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

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

State and tribal leaking storage tank lists

LUST..... Leaking Underground Storage Tanks Site List

EXECUTIVE SUMMARY

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

State and tribal registered storage tank lists

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

State and tribal institutional control / engineering control registries

INST CONTROL..... Institutional Control Site List

State and tribal voluntary cleanup sites

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

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

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

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs
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

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
SPILLS..... Reported Spills
SPILLS 90..... SPILLS 90 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR..... RCRA - Non Generators

EXECUTIVE SUMMARY

DOT OPS.....	Incident and Accident Data
DOD.....	Department of Defense Sites
FUDS.....	Formerly Used Defense Sites
CONSENT.....	Superfund (CERCLA) Consent Decrees
ROD.....	Records Of Decision
UMTRA.....	Uranium Mill Tailings Sites
US 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
RMP.....	Risk Management Plans
UIC.....	Underground Injection Wells Listing
MANIFEST.....	Hazardous Waste Manifest Data
DRYCLEANERS.....	Drycleaner List
NPDES.....	Water Quality Permit System Data
AIRS.....	Washington Emissions Data System
Inactive Drycleaners.....	Inactive Drycleaners
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
PRP.....	Potentially Responsible Parties
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
LEAD SMELTERS.....	Lead Smelter Sites
EPA WATCH LIST.....	EPA WATCH LIST
Financial Assurance.....	Financial Assurance Information Listing
2020 COR ACTION.....	2020 Corrective Action Program List
PCB TRANSFORMER.....	PCB Transformer Registration Database
COAL ASH.....	Coal Ash Disposal Site Listing
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
US FIN ASSUR.....	Financial Assurance Information
COAL ASH DOE.....	Steam-Electric Plant Operation Data

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR US Hist Cleaners.....	EDR Exclusive Historic Dry Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF.....	Recovered Government Archive Solid Waste Facilities List
RGA LUST.....	Recovered Government Archive Leaking Underground Storage Tank

EXECUTIVE SUMMARY

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

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

A review of the ALLSITES list, as provided by EDR, and dated 11/05/2013 has revealed that there is 1 ALLSITES site within approximately 0.5 miles of the target property.

<u>Site</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>LUDVIGSEN PROPERTY</i>	<i>2723 WISHKAH RD</i>	<i>1/4 - 1/2 (0.494 mi.) SSE</i>	<i>A4</i>	<i>8</i>

CSCSL NFA: The data set contains information about sites previously on the Confirmed and Suspected Contaminated Sites list that have received a No Further Action (NFA) determination. Because it is necessary to maintain historical records of sites that have been investigated and cleaned up, sites are not deleted from the database when cleanup activities are completed. Instead a No Further Action code is entered based upon the type of NFA determination the site received.

A review of the CSCSL NFA list, as provided by EDR, and dated 10/22/2013 has revealed that there is 1 CSCSL NFA site within approximately 0.5 miles of the target property.

<u>Site</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>LUDVIGSEN PROPERTY</i>	<i>2723 WISHKAH RD</i>	<i>1/4 - 1/2 (0.494 mi.) SSE</i>	<i>A4</i>	<i>8</i>

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR US Hist Auto Stat: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there is 1 EDR US

EXECUTIVE SUMMARY

Hist Auto Stat site within approximately 0.25 miles of the target property.

<u>Site</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
Not reported	35 FROSTY WAY	1/8 - 1/4 (0.209 mi.) W	1	8

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists.

A review of the RGA HWS list, as provided by EDR, has revealed that there are 2 RGA HWS sites within approximately 1 mile of the target property.

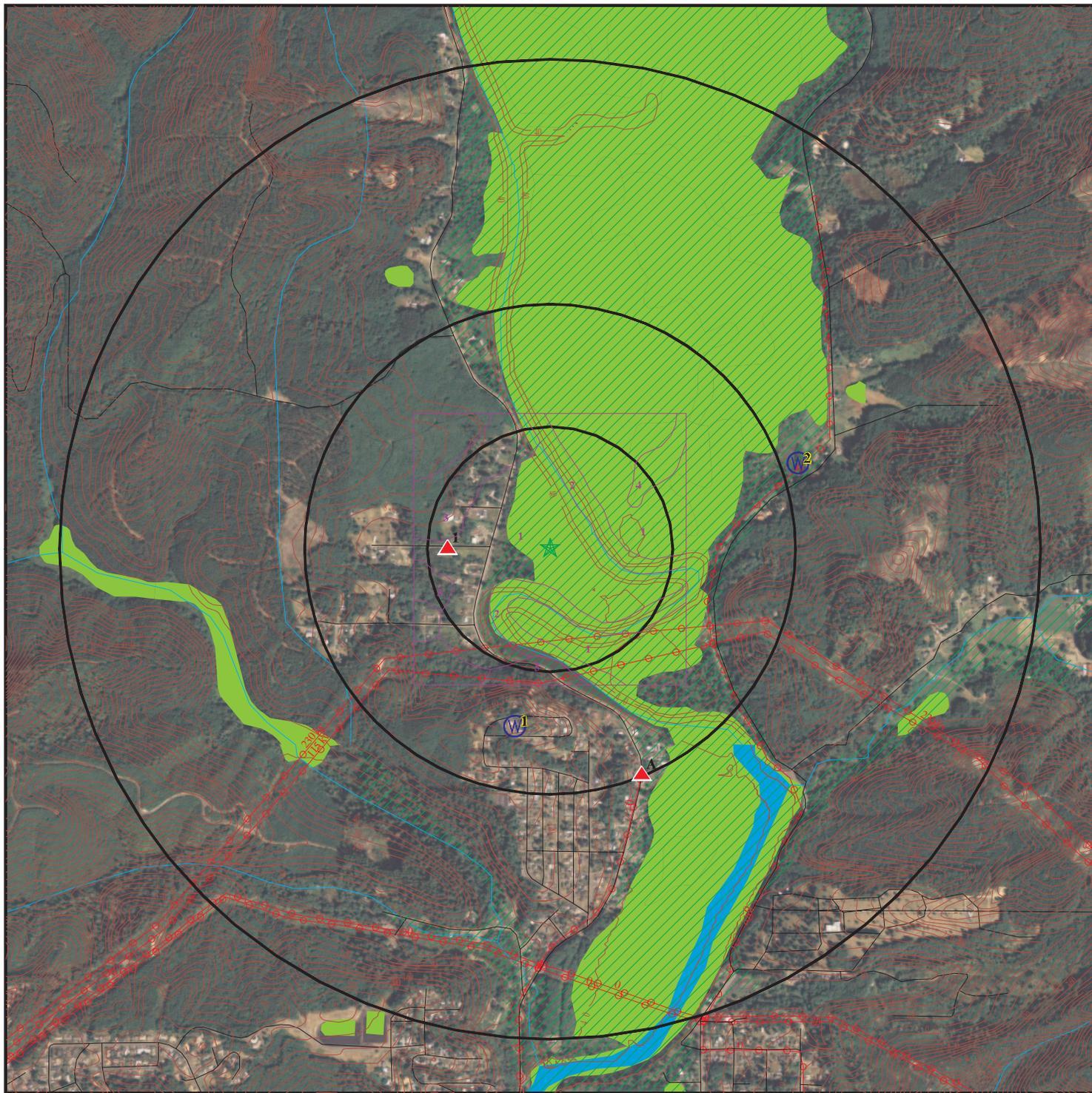
<u>Site</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
Not reported	2723 WISHKAH ROAD	1/4 - 1/2 (0.494 mi.) SSE	A2	8
Not reported	2723 WISHKAH RD	1/4 - 1/2 (0.494 mi.) SSE	A3	8

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 20 records.

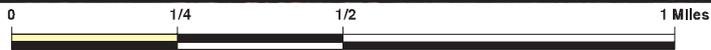
<u>Site Name</u>	<u>Database(s)</u>
US WEST ABERDEEN	RGA LUST FINDS, CSCSL, ALLSITES, LUST, UST, RGA LUST
WA DOT SIMPSON BRIDGE	FINDS, ALLSITES, MANIFEST
WA DOT CHEHALIS RIVER BRIDGE 101 1	RCRA NonGen / NLR, FINDS, ALLSITES
WA DOT JOHNS RIVER BRIDGE	FINDS, ALLSITES, MANIFEST
WA DOT WISHKAH RIVER BRIDGE 1212N	ALLSITES, UST, SPILLS RCRA NonGen / NLR, ALLSITES, MANIFEST
WA DOT WISHKAH RIVER BRIDGE 1212S	RCRA NonGen / NLR, FINDS, ALLSITES
LAKE VIEW TERRACE	ALLSITES
WISHKAH ROAD TURNER BR	RCRA NonGen / NLR, FINDS, ALLSITES
HARLAN B HURLBURT	FINDS, ALLSITES, UST
SHERWIN WILLIAMS CO ABERDEEN	RCRA NonGen / NLR, FINDS, ALLSITES
MASCO PETROLEUM ELMA	FINDS, ALLSITES, UST
WA DOT ELMA	FINDS, ALLSITES
WA DOT SIMPSON BRIDGE	RCRA NonGen / NLR
WA DOT JOHNS RIVER BRIDGE	RCRA NonGen / NLR
WISHKAH VALLEY SCHOOL DISTRICT 117	FINDS
WA DOT WISHKAH RIVER BRIDGE 1212N	FINDS
L ST & 301 W WISHKAH RIGHT OF WAY	FINDS
WILSON CREEK SITE	ICR

OVERVIEW MAP - 03837327.2r



- ★ Target Property
- ▲ Toxic Sites
- ▲ Manufactured Gas Plants
- ▨ National Priority List Sites
- ▨ Dept. Defense Sites

- ▨ Indian Reservations BIA
- ⚡ Power transmission lines
- ⚡ Oil & Gas pipelines from USGS
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- National Wetland Inventory

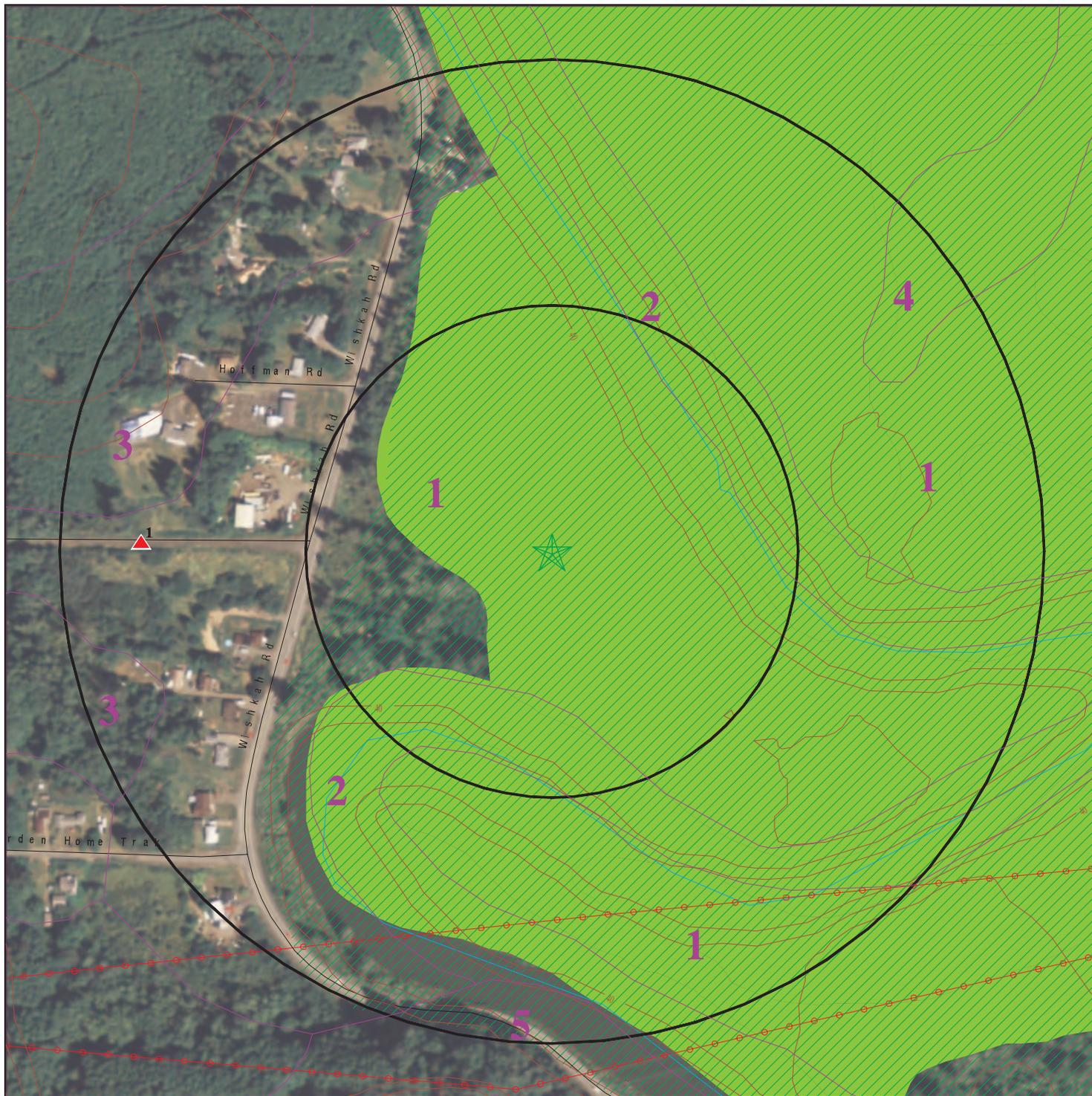


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Wishkah Road
 ADDRESS: Wishkah Road
 Aberdeen WA 98520
 LAT/LONG: 47.0056 / 123.8117

CLIENT: AMEC Environment & Infrastructure, Inc.
 CONTACT: Tyler Henningsen
 INQUIRY #: 03837327.2r
 DATE: January 22, 2014 10:07 pm

DETAIL MAP - 03837327.2r



- ★ Target Property
- ▲ Toxic Sites
- ⚙ Manufactured Gas Plants
- ⚡ Sensitive Receptors
- ⚡ National Priority List Sites
- ⚡ Dept. Defense Sites
- ⚡ Indian Reservations BIA
- ⚡ Power transmission lines
- ⚡ Oil & Gas pipelines from USGS
- 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: Wishkah Road ADDRESS: Wishkah Road Aberdeen WA 98520 LAT/LONG: 47.0056 / 123.8117</p>	<p>CLIENT: AMEC Environment & Infrastructure, Inc. CONTACT: Tyler Henningsen INQUIRY #: 03837327.2r DATE: January 22, 2014 10:08 pm</p>
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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	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		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL</i>								
HSL	1.000		0	0	0	0	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
CSCSL	1.000		0	0	0	0	NR	0
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
INST CONTROL	0.500		0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
ICR	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
SWTIRE	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	TP		NR	NR	NR	NR	NR	0
ALLSITES	0.500		0	0	1	NR	NR	1
CSCSL NFA	0.500		0	0	1	NR	NR	1
CDL	TP		NR	NR	NR	NR	NR	0
HIST CDL	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 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	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
US 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
RMP	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
MANIFEST	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
Inactive Drycleaners	0.250		0	0	NR	NR	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250		0	1	NR	NR	NR	1
EDR US Hist Cleaners	0.250		0	0	NR	NR	NR	0

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF	0.500		0	0	0	NR	NR	0
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MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</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>
RGA HWS	1.000		0	0	2	0	NR	2
RGA LUST	0.500		0	0	0	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID			EDR ID Number
Direction			
Distance			
Distance (ft.)	Site	Database(s)	EPA ID Number

1		EDR US Hist Auto Stat	1015441735
West	35 FROSTY WAY		
1/8-1/4	ABERDEEN, WA 98520		N/A
0.209 mi.			
1102 ft.			

EDR Historical Auto Stations:

Name:	HENSLEYS MOBILE WELDING
Year:	2008
Address:	35 FROSTY WAY

A2		RGA HWS	S114258096
SSE	2723 WISHKAH ROAD		
1/4-1/2	ABERDEEN, WA		N/A
0.494 mi.			
2606 ft.	Site 1 of 3 in cluster A		

RGA HWS:

2005	LUDVIGSEN PROPERTY	2723 WISHKAH ROAD
------	--------------------	-------------------

A3		RGA HWS	S114258095
SSE	2723 WISHKAH RD		
1/4-1/2	ABERDEEN, WA		N/A
0.494 mi.			
2606 ft.	Site 2 of 3 in cluster A		

RGA HWS:

2010	LUDVIGSEN PROPERTY	2723 WISHKAH RD
2009	LUDVIGSEN PROPERTY	2723 WISHKAH RD
2008	LUDVIGSEN PROPERTY	2723 WISHKAH RD
2007	LUDVIGSEN PROPERTY	2723 WISHKAH RD
2006	LUDVIGSEN PROPERTY	2723 WISHKAH RD

A4		FINDS	1008221597
SSE	LUDVIGSEN PROPERTY		
1/4-1/2	2723 WISHKAH RD	ALLSITES	N/A
0.494 mi.	ABERDEEN, WA	CSCSL NFA	
2606 ft.	Site 3 of 3 in cluster A		

FINDS:

Registry ID:	110022439805
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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:	799090
Latitude:	46.9974169

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

LUDVIGSEN PROPERTY (Continued)

1008221597

Longitude: -123.80805
 Ecology Interest Type Code: SCS
 Facility ID: 799090
 Facility Company: LUDVIGSEN PROPERTY
 Interaction: A
 Interaction 1: SCS
 Interaction 2: State Cleanup Site
 Ecology Program: TOXICS
 Program Data: ISIS
 Facility Alt.: LUDVIGSEN PROPERTY
 Program ID: Not reported
 Date Interaction: 02/10/2005
 Date Interaction 3: 02/10/2005

 Facility/Site Interaction T: 7325
 Geographic Location Identifier (Alias Facid): 799090
 Interaction (Aka Env Int) Type Code: SCS
 Interaction (Aka Env Int) Description: State Cleanup Site
 Interaction Status: A
 Federal Program Identifier: Not reported
 Interaction Start Date: 02/10/2005
 Interaction End Date: Not reported
 prgm_facil: LUDVIGSEN PROPERTY
 cur_sys_pr: TOXICS
 cur_sys_nm: ISIS

CSCSL NFA:

Facility/Site Id: 799090
 CS Id: 804
 NFA Date: 03/02/2010
 Rank: Not reported
 VCP: No
 Latitude: 46.997416999999999
 Longitude: -123.80805599999999

Count: 20 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
ABERDEEN	S114158209		(FLEET ST AND OLYMPIC HWY)		RGALUST
ABERDEEN	1007072489	WISHKAH VALLEY SCHOOL DISTRICT 117	RTE 1 BOX 308		FINDS
ABERDEEN	1011280918	WA DOT SIMPSON BRIDGE	SR 101 MP 86.76	98520	FINDS, ALLSITES, MANIFEST
ABERDEEN	1010788495	WA DOT SIMPSON BRIDGE	SR 101 MP 86.76	98520	RCRA NonGen / NLR
ABERDEEN	1000878589	WA DOT CHEHALIS RIVER BRIDGE 101 1	SR 101 MP 83.22 TO MP 83.70	98520	RCRA NonGen / NLR, FINDS, ALLSITES
ABERDEEN	1011914513	WA DOT JOHNS RIVER BRIDGE	SR 105 MP 37.23 JOHNS RIVER BR	98520	FINDS, ALLSITES, MANIFEST
ABERDEEN	1011844371	WA DOT JOHNS RIVER BRIDGE	SR 105 MP 37.23 JOHNS RIVER BR	98520	RCRA NonGen / NLR
ABERDEEN	U003354564		HWY 12		ALLSITES, UST, SPILLS
ABERDEEN	1007265317	WA DOT WISHKAH RIVER BRIDGE 1212N	US 12 MP 0.50 TO MP 0.55	98520	RCRA NonGen / NLR, ALLSITES, MANIFEST
ABERDEEN	1007076361	WA DOT WISHKAH RIVER BRIDGE 1212N	US 12 MP 0.50 TO MP 0.55		FINDS
ABERDEEN	1001234168	WA DOT WISHKAH RIVER BRIDGE 12125	SR 12 MP 0.08	98520	RCRA NonGen / NLR, FINDS, ALLSITES
ABERDEEN	S105454539	WILSON CREEK SITE	FLEET ST. & OLYMPIC HWY	98520	ICR
ABERDEEN	S110036995	LAKE VIEW TERRACE	1750 N OF FLEET ST & HWY 12	98520	ALLSITES
ABERDEEN	1000658829	WISHKAH ROAD TURNER BR	T18N R9W S3	98520	RCRA NonGen / NLR, FINDS, ALLSITES
ABERDEEN	1011268124	L ST & 301 W WISHKAH RIGHT OF WAY	L ST & 301 W WISHKAH RIGHT OF		FINDS
ABERDEEN	1007073679	HARLAN B HURLBURT	STAR RTE BOX 666	98520	FINDS, ALLSITES, UST
ABERDEEN	1007072269	US WEST ABERDEEN	WISHKA & K ST	98520	FINDS, CSCSL, ALLSITES, LUST, UST, RGALUST
ABERDEEN	1000371872	SHERWIN WILLIAMS CO ABERDEEN	607 WISHKAH ST		RCRA NonGen / NLR, FINDS, ALLSITES
ELMA	1007078249	MASCO PETROLEUM ELMA	4700 SR 12 S	98541	FINDS, ALLSITES, UST
ELMA	1007073147	WA DOT ELMA	SR MP 21.8	98520	FINDS, ALLSITES

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

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

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/09/2013	Telephone: N/A
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 01/21/2014
Number of Days to Update: 62	Next Scheduled EDR Contact: 04/21/2014
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

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

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

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

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/09/2013	Telephone: N/A
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 01/09/2014
Number of Days to Update: 62	Next Scheduled EDR Contact: 04/21/2014
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

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

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

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

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/09/2013	Telephone: N/A
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 01/09/2014
Number of Days to Update: 62	Next Scheduled EDR Contact: 04/21/2014
	Data Release Frequency: Quarterly

Federal CERCLIS list

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

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

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/29/2013	Telephone: 703-412-9810
Date Made Active in Reports: 08/09/2013	Last EDR Contact: 11/11/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 03/10/2014
	Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 05/31/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/08/2013	Telephone: 703-603-8704
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 01/10/2014
Number of Days to Update: 151	Next Scheduled EDR Contact: 04/21/2014
	Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

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

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/29/2013	Telephone: 703-412-9810
Date Made Active in Reports: 08/09/2013	Last EDR Contact: 11/11/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 03/10/2014
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/10/2013
Date Data Arrived at EDR: 10/02/2013
Date Made Active in Reports: 12/16/2013
Number of Days to Update: 75

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 01/02/2014
Next Scheduled EDR Contact: 04/14/2014
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 09/10/2013
Date Data Arrived at EDR: 10/02/2013
Date Made Active in Reports: 12/16/2013
Number of Days to Update: 75

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 01/02/2014
Next Scheduled EDR Contact: 04/14/2014
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 09/10/2013
Date Data Arrived at EDR: 10/02/2013
Date Made Active in Reports: 12/16/2013
Number of Days to Update: 75

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 01/02/2014
Next Scheduled EDR Contact: 04/14/2014
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 09/10/2013
Date Data Arrived at EDR: 10/02/2013
Date Made Active in Reports: 12/16/2013
Number of Days to Update: 75

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 01/02/2014
Next Scheduled EDR Contact: 04/14/2014
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

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

Date of Government Version: 09/10/2013
Date Data Arrived at EDR: 10/02/2013
Date Made Active in Reports: 12/16/2013
Number of Days to Update: 75

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 01/02/2014
Next Scheduled EDR Contact: 04/14/2014
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 06/17/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/21/2013	Telephone: 703-603-0695
Date Made Active in Reports: 10/03/2013	Last EDR Contact: 12/09/2013
Number of Days to Update: 104	Next Scheduled EDR Contact: 03/24/2014
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

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

Date of Government Version: 06/17/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/21/2013	Telephone: 703-603-0695
Date Made Active in Reports: 10/03/2013	Last EDR Contact: 12/09/2013
Number of Days to Update: 104	Next Scheduled EDR Contact: 03/24/2014
	Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 08/20/2013	Source: Department of the Navy
Date Data Arrived at EDR: 08/23/2013	Telephone: 843-820-7326
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 11/18/2013
Number of Days to Update: 70	Next Scheduled EDR Contact: 03/03/2014
	Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 09/30/2013	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 10/01/2013	Telephone: 202-267-2180
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 01/10/2014
Number of Days to Update: 66	Next Scheduled EDR Contact: 04/14/2014
	Data Release Frequency: Annually

State- and tribal - equivalent NPL

HSL: Hazardous Sites List

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

Date of Government Version: 08/26/2013	Source: Department of Ecology
Date Data Arrived at EDR: 09/13/2013	Telephone: 360-407-7200
Date Made Active in Reports: 10/16/2013	Last EDR Contact: 12/10/2013
Number of Days to Update: 33	Next Scheduled EDR Contact: 03/24/2014
	Data Release Frequency: Semi-Annually

State- and tribal - equivalent CERCLIS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CSCSL: Confirmed and Suspected Contaminated Sites List

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

Date of Government Version: 10/22/2013	Source: Department of Ecology
Date Data Arrived at EDR: 10/25/2013	Telephone: 360-407-7200
Date Made Active in Reports: 01/02/2014	Last EDR Contact: 10/25/2013
Number of Days to Update: 69	Next Scheduled EDR Contact: 02/03/2014
	Data Release Frequency: Semi-Annually

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

SWF/LF: Solid Waste Facility Database

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

Date of Government Version: 09/25/2013	Source: Department of Ecology
Date Data Arrived at EDR: 09/25/2013	Telephone: 360-407-6132
Date Made Active in Reports: 10/16/2013	Last EDR Contact: 12/09/2013
Number of Days to Update: 21	Next Scheduled EDR Contact: 03/24/2014
	Data Release Frequency: Annually

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tanks Site List

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

Date of Government Version: 11/19/2013	Source: Department of Ecology
Date Data Arrived at EDR: 11/22/2013	Telephone: 360-407-7183
Date Made Active in Reports: 01/02/2014	Last EDR Contact: 11/22/2013
Number of Days to Update: 41	Next Scheduled EDR Contact: 03/03/2014
	Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 03/01/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2013	Telephone: 415-972-3372
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 10/28/2013
Number of Days to Update: 42	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 08/27/2013	Source: EPA Region 7
Date Data Arrived at EDR: 08/27/2013	Telephone: 913-551-7003
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 10/28/2013
Number of Days to Update: 66	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/06/2013
Date Data Arrived at EDR: 11/07/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 29

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/27/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Quarterly

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 08/20/2013
Date Data Arrived at EDR: 08/23/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 70

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

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

Date of Government Version: 02/01/2013
Date Data Arrived at EDR: 05/01/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 184

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/01/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

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

Date of Government Version: 08/01/2013
Date Data Arrived at EDR: 08/02/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 91

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Semi-Annually

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

Date of Government Version: 09/12/2011
Date Data Arrived at EDR: 09/13/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 59

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

State and tribal registered storage tank lists

UST: Underground Storage Tank Database
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 11/22/2013
Date Data Arrived at EDR: 11/25/2013
Date Made Active in Reports: 01/04/2014
Number of Days to Update: 40

Source: Department of Ecology
Telephone: 360-407-7183
Last EDR Contact: 11/18/2013
Next Scheduled EDR Contact: 03/03/2014
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AST: Aboveground Storage Tank Locations

A listing of aboveground storage tank locations regulated by the Department of Ecology's Spill Prevention, Preparedness and Response Program.

Date of Government Version: 04/09/2013	Source: Department of Ecology
Date Data Arrived at EDR: 05/09/2013	Telephone: 360-407-7562
Date Made Active in Reports: 07/25/2013	Last EDR Contact: 11/04/2013
Number of Days to Update: 77	Next Scheduled EDR Contact: 02/17/2014
	Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 09/28/2012	Source: EPA, Region 1
Date Data Arrived at EDR: 11/07/2012	Telephone: 617-918-1313
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 11/01/2014
Number of Days to Update: 156	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations).

Date of Government Version: 08/01/2013	Source: EPA Region 4
Date Data Arrived at EDR: 08/02/2013	Telephone: 404-562-9424
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 10/28/2013
Number of Days to Update: 91	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 08/20/2013	Source: EPA Region 5
Date Data Arrived at EDR: 08/23/2013	Telephone: 312-886-6136
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 10/28/2013
Number of Days to Update: 70	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/10/2011	Source: EPA Region 6
Date Data Arrived at EDR: 05/11/2011	Telephone: 214-665-7591
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 10/28/2013
Number of Days to Update: 34	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 12/31/2012	Source: EPA Region 7
Date Data Arrived at EDR: 02/28/2013	Telephone: 913-551-7003
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 10/28/2013
Number of Days to Update: 43	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 07/29/2013	Source: EPA Region 8
Date Data Arrived at EDR: 08/01/2013	Telephone: 303-312-6137
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 10/28/2013
Number of Days to Update: 92	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 07/29/2013	Source: EPA Region 9
Date Data Arrived at EDR: 07/30/2013	Telephone: 415-972-3368
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 10/28/2013
Number of Days to Update: 129	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 02/05/2013	Source: EPA Region 10
Date Data Arrived at EDR: 02/06/2013	Telephone: 206-553-2857
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 10/28/2013
Number of Days to Update: 65	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Quarterly

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010	Source: FEMA
Date Data Arrived at EDR: 02/16/2010	Telephone: 202-646-5797
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 01/13/2014
Number of Days to Update: 55	Next Scheduled EDR Contact: 04/28/2014
	Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

INST CONTROL: Institutional Control Site List

Sites that have institutional controls.

Date of Government Version: 10/22/2013	Source: Department of Ecology
Date Data Arrived at EDR: 10/25/2013	Telephone: 360-407-7170
Date Made Active in Reports: 01/02/2014	Last EDR Contact: 10/25/2013
Number of Days to Update: 69	Next Scheduled EDR Contact: 02/03/2014
	Data Release Frequency: Varies

State and tribal voluntary cleanup sites

ICR: Independent Cleanup Reports

These are remedial action reports Ecology has received from either the owner or operator of the sites. These actions have been conducted without department oversight or approval and are not under an order or decree. This database is no longer updated by the Department of Ecology.

Date of Government Version: 12/01/2002	Source: Department of Ecology
Date Data Arrived at EDR: 01/03/2003	Telephone: 360-407-7200
Date Made Active in Reports: 01/22/2003	Last EDR Contact: 08/10/2009
Number of Days to Update: 19	Next Scheduled EDR Contact: 11/09/2009
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

VCP: Voluntary Cleanup Program Sites

Sites that have entered either the Voluntary Cleanup Program or its predecessor Independent Remedial Action Program.

Date of Government Version: 10/22/2013	Source: Department of Ecology
Date Data Arrived at EDR: 11/01/2013	Telephone: 360-407-7200
Date Made Active in Reports: 01/02/2014	Last EDR Contact: 01/21/2014
Number of Days to Update: 62	Next Scheduled EDR Contact: 05/05/2014
	Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

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

Date of Government Version: 09/17/2013	Source: EPA, Region 1
Date Data Arrived at EDR: 10/01/2013	Telephone: 617-918-1102
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 01/03/2014
Number of Days to Update: 66	Next Scheduled EDR Contact: 04/14/2014
	Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Sites Listing

A listing of brownfields sites included in the Confirmed & Suspected Sites Listing. Brownfields are abandoned, idle or underused commercial or industrial properties, where the expansion or redevelopment is hindered by real or perceived contamination. Brownfields vary in size, location, age, and past use -- they can be anything from a five-hundred acre automobile assembly plant to a small, abandoned corner gas station.

Date of Government Version: 10/22/2013	Source: Department of Ecology
Date Data Arrived at EDR: 10/25/2013	Telephone: 360-725-4030
Date Made Active in Reports: 01/02/2014	Last EDR Contact: 10/25/2013
Number of Days to Update: 69	Next Scheduled EDR Contact: 02/03/2014
	Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 09/24/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/24/2013	Telephone: 202-566-2777
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 12/24/2013
Number of Days to Update: 73	Next Scheduled EDR Contact: 04/07/2014
	Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SWRCY: Recycling Facility List

A listing of recycling center locations.

Date of Government Version: 10/29/2013
Date Data Arrived at EDR: 11/01/2013
Date Made Active in Reports: 12/31/2013
Number of Days to Update: 60

Source: Department of Ecology
Telephone: 360-407-6105
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

SWTIRE: Solid Waste Tire Facilities

This study identified sites statewide with unauthorized accumulations of scrap tires.

Date of Government Version: 11/01/2005
Date Data Arrived at EDR: 03/16/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 28

Source: Department of Ecology
Telephone: N/A
Last EDR Contact: 12/13/2013
Next Scheduled EDR Contact: 03/24/2014
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 11/04/2013
Next Scheduled EDR Contact: 02/17/2014
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 08/06/2013
Date Data Arrived at EDR: 09/11/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 22

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 12/05/2013
Next Scheduled EDR Contact: 03/17/2014
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ALLSITES: Facility/Site Identification System Listing

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

Date of Government Version: 11/05/2013	Source: Department of Ecology
Date Data Arrived at EDR: 11/08/2013	Telephone: 360-407-6423
Date Made Active in Reports: 01/15/2014	Last EDR Contact: 11/04/2013
Number of Days to Update: 68	Next Scheduled EDR Contact: 02/17/2014
	Data Release Frequency: Quarterly

CSCSL NFA: Confirmed and Contaminated Sites - No Further Action

The data set contains information about sites previously on the Confirmed and Suspected Contaminated Sites list that have received a No Further Action (NFA) determination. Because it is necessary to maintain historical records of sites that have been investigated and cleaned up, sites are not deleted from the database when cleanup activities are completed. Instead, a No Further Action code is entered based upon the type of NFA determination the site received.

Date of Government Version: 10/22/2013	Source: Department of Ecology
Date Data Arrived at EDR: 10/25/2013	Telephone: 360-407-7170
Date Made Active in Reports: 01/02/2014	Last EDR Contact: 10/25/2013
Number of Days to Update: 69	Next Scheduled EDR Contact: 02/03/2014
	Data Release Frequency: Semi-Annually

CDL: Clandestine Drug Lab Contaminated Site List

Illegal methamphetamine labs use hazardous chemicals that create public health hazards. Chemicals and residues can cause burns, respiratory and neurological damage, and death. Biological hazards associated with intravenous needles, feces, and blood also pose health risks.

Date of Government Version: 11/01/2013	Source: Department of Health
Date Data Arrived at EDR: 11/27/2013	Telephone: 360-236-3380
Date Made Active in Reports: 01/02/2014	Last EDR Contact: 11/11/2013
Number of Days to Update: 36	Next Scheduled EDR Contact: 02/24/2014
	Data Release Frequency: Varies

HIST CDL: List of Sites Contaminated by Clandestine Drug Labs

This listing of contaminated sites by Clandestine Drug Labs includes non-remediated properties. The current CDL listing does not. This listing is no longer updated by the state agency.

Date of Government Version: 02/08/2007	Source: Department of Health
Date Data Arrived at EDR: 06/26/2007	Telephone: 360-236-3381
Date Made Active in Reports: 07/19/2007	Last EDR Contact: 06/02/2008
Number of Days to Update: 23	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 11/19/2008	Telephone: 202-307-1000
Date Made Active in Reports: 03/30/2009	Last EDR Contact: 03/23/2009
Number of Days to Update: 131	Next Scheduled EDR Contact: 06/22/2009
	Data Release Frequency: No Update Planned

Local Land Records

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/06/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/25/2013	Telephone: 202-564-6023
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 11/13/2013
Number of Days to Update: 15	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/30/2013	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 10/01/2013	Telephone: 202-366-4555
Date Made Active in Reports: 12/16/2013	Last EDR Contact: 01/03/2014
Number of Days to Update: 76	Next Scheduled EDR Contact: 01/13/2014
	Data Release Frequency: Annually

SPILLS: Reported Spills

Spills reported to the Spill Prevention, Preparedness and Response Division.

Date of Government Version: 12/19/2013	Source: Department of Ecology
Date Data Arrived at EDR: 12/20/2013	Telephone: 360-407-6950
Date Made Active in Reports: 01/07/2014	Last EDR Contact: 12/17/2013
Number of Days to Update: 18	Next Scheduled EDR Contact: 03/24/2014
	Data Release Frequency: Semi-Annually

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 05/23/2006	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 03/06/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 09/10/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/02/2013	Telephone: (206) 553-1200
Date Made Active in Reports: 12/16/2013	Last EDR Contact: 01/02/2014
Number of Days to Update: 75	Next Scheduled EDR Contact: 04/14/2014
	Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 11/06/2013
Next Scheduled EDR Contact: 02/17/2014
Data Release Frequency: Varies

DOD: Department of Defense Sites

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

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/15/2014
Next Scheduled EDR Contact: 04/28/2014
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 03/13/2013
Number of Days to Update: 15

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 12/13/2013
Next Scheduled EDR Contact: 03/24/2014
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2013
Date Data Arrived at EDR: 08/07/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 57

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 12/26/2013
Next Scheduled EDR Contact: 04/14/2014
Data Release Frequency: Varies

ROD: Records Of Decision

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

Date of Government Version: 04/26/2013
Date Data Arrived at EDR: 06/11/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 143

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/12/2013
Next Scheduled EDR Contact: 03/24/2014
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/26/2013
Next Scheduled EDR Contact: 03/10/2014
Data Release Frequency: Varies

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/01/2013
Date Data Arrived at EDR: 09/05/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 28

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 12/06/2013
Next Scheduled EDR Contact: 03/17/2014
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/31/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 44

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/27/2013
Next Scheduled EDR Contact: 03/10/2014
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/26/2013
Next Scheduled EDR Contact: 04/07/2014
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 11/21/2013
Next Scheduled EDR Contact: 03/10/2014
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 11/21/2014
Next Scheduled EDR Contact: 03/10/2014
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 12/10/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 10/28/2013
Number of Days to Update: 77	Next Scheduled EDR Contact: 02/11/2014
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/20/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/10/2011	Telephone: 202-564-5088
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 10/09/2014
Number of Days to Update: 61	Next Scheduled EDR Contact: 04/28/2014
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2013	Source: EPA
Date Data Arrived at EDR: 07/17/2013	Telephone: 202-566-0500
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 01/28/2014
Number of Days to Update: 107	Next Scheduled EDR Contact: 04/28/2014
	Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/22/2013	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 08/02/2013	Telephone: 301-415-7169
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 12/09/2013
Number of Days to Update: 91	Next Scheduled EDR Contact: 03/24/2014
	Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/30/2013
Date Data Arrived at EDR: 10/09/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 23

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 01/10/2014
Next Scheduled EDR Contact: 04/21/2014
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 03/08/2013
Date Data Arrived at EDR: 03/21/2013
Date Made Active in Reports: 07/10/2013
Number of Days to Update: 111

Source: EPA
Telephone: (206) 553-1200
Last EDR Contact: 12/10/2013
Next Scheduled EDR Contact: 03/24/2014
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 05/08/2012
Date Data Arrived at EDR: 05/25/2012
Date Made Active in Reports: 07/10/2012
Number of Days to Update: 46

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 10/28/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/19/2013
Number of Days to Update: 52

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 11/25/2013
Next Scheduled EDR Contact: 03/10/2014
Data Release Frequency: Biennially

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UIC: Underground Injection Wells Listing

A listing of underground injection wells.

Date of Government Version: 11/19/2013
Date Data Arrived at EDR: 11/22/2013
Date Made Active in Reports: 01/03/2014
Number of Days to Update: 42

Source: Department of Ecology
Telephone: 360-407-6143
Last EDR Contact: 11/22/2013
Next Scheduled EDR Contact: 03/03/2014
Data Release Frequency: Varies

WA MANIFEST: Hazardous Waste Manifest Data

Hazardous waste manifest information.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 04/29/2013
Date Made Active in Reports: 06/10/2013
Number of Days to Update: 42

Source: Department of Ecology
Telephone: N/A
Last EDR Contact: 01/20/2014
Next Scheduled EDR Contact: 05/05/2014
Data Release Frequency: Annually

DRYCLEANERS: Drycleaner List

A listing of registered drycleaners who registered with the Department of Ecology (using the SIC code of 7215 and 7216) as hazardous waste generators.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 04/29/2013
Date Made Active in Reports: 06/10/2013
Number of Days to Update: 42

Source: Department of Ecology
Telephone: 360-407-6732
Last EDR Contact: 01/20/2014
Next Scheduled EDR Contact: 05/05/2014
Data Release Frequency: Varies

NPDES: Water Quality Permit System Data

A listing of permitted wastewater facilities.

Date of Government Version: 10/29/2013
Date Data Arrived at EDR: 11/01/2013
Date Made Active in Reports: 01/02/2014
Number of Days to Update: 62

Source: Department of Ecology
Telephone: 360-407-6073
Last EDR Contact: 01/20/2014
Next Scheduled EDR Contact: 05/05/2014
Data Release Frequency: Quarterly

AIRS (EMI): Washington Emissions Data System

Emissions inventory data.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 01/11/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 42

Source: Department of Ecology
Telephone: 360-407-6040
Last EDR Contact: 01/06/2013
Next Scheduled EDR Contact: 04/07/2014
Data Release Frequency: Annually

INACTIVE DRYCLEANERS: Inactive Drycleaners

A listing of inactive drycleaner facility locations.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 04/29/2013
Date Made Active in Reports: 06/10/2013
Number of Days to Update: 42

Source: Department of Ecology
Telephone: 360-407-6732
Last EDR Contact: 01/20/2014
Next Scheduled EDR Contact: 05/05/2014
Data Release Frequency: Annually

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/15/2014
Next Scheduled EDR Contact: 04/28/2014
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2011	Telephone: 615-532-8599
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 01/20/2014
Number of Days to Update: 54	Next Scheduled EDR Contact: 05/05/2014
	Data Release Frequency: Varies

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/15/2013	Source: EPA
Date Data Arrived at EDR: 07/03/2013	Telephone: 202-564-6023
Date Made Active in Reports: 09/13/2013	Last EDR Contact: 01/02/2014
Number of Days to Update: 72	Next Scheduled EDR Contact: 04/14/2014
	Data Release Frequency: Quarterly

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/29/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/14/2013	Telephone: 703-603-8787
Date Made Active in Reports: 02/27/2013	Last EDR Contact: 01/03/2014
Number of Days to Update: 13	Next Scheduled EDR Contact: 04/21/2014
	Data Release Frequency: Varies

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 06/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/13/2013	Telephone: 617-520-3000
Date Made Active in Reports: 09/13/2013	Last EDR Contact: 11/15/2013
Number of Days to Update: 31	Next Scheduled EDR Contact: 02/24/2014
	Data Release Frequency: Quarterly

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 05/23/2011	Source: Department of Ecology
Date Data Arrived at EDR: 05/26/2011	Telephone: 360-407-6754
Date Made Active in Reports: 06/27/2011	Last EDR Contact: 11/18/2013
Number of Days to Update: 32	Next Scheduled EDR Contact: 03/03/2014
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 11/01/2013
Next Scheduled EDR Contact: 02/11/2014
Data Release Frequency: Varies

Financial Assurance 3: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 03/06/2007
Date Made Active in Reports: 04/19/2007
Number of Days to Update: 44

Source: Department of Ecology
Telephone: 360-407-6136
Last EDR Contact: 11/18/2013
Next Scheduled EDR Contact: 03/03/2014
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Site Listing

A listing of coal ash disposal site locations.

Date of Government Version: 06/20/2013
Date Data Arrived at EDR: 06/21/2013
Date Made Active in Reports: 07/25/2013
Number of Days to Update: 34

Source: Department of Ecology
Telephone: 360-407-6933
Last EDR Contact: 12/09/2013
Next Scheduled EDR Contact: 03/24/2014
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010
Date Data Arrived at EDR: 01/03/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 12/13/2013
Next Scheduled EDR Contact: 03/24/2014
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 10/28/2013
Date Data Arrived at EDR: 10/29/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 38

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 11/18/2013
Next Scheduled EDR Contact: 03/03/2014
Data Release Frequency: Quarterly

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust.

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/15/2014
Next Scheduled EDR Contact: 04/28/2014
Data Release Frequency: N/A

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 11/11/2011
Date Data Arrived at EDR: 05/18/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 11/15/2013
Next Scheduled EDR Contact: 02/24/2014
Data Release Frequency: Varies

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/23/2013
Date Data Arrived at EDR: 11/06/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 30

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 12/26/2013
Next Scheduled EDR Contact: 04/14/2014
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/23/2013
Date Data Arrived at EDR: 11/06/2013
Date Made Active in Reports: 12/06/2013
Number of Days to Update: 30

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 12/26/2013
Next Scheduled EDR Contact: 04/14/2014
Data Release Frequency: Annually

Financial Assurance 1: Financial Assurance Information Listing

A listing of financial assurance information for underground storage tank facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/24/2012
Date Data Arrived at EDR: 02/24/2012
Date Made Active in Reports: 03/27/2012
Number of Days to Update: 32

Source: Department of Ecology
Telephone: 360-586-1060
Last EDR Contact: 11/18/2013
Next Scheduled EDR Contact: 03/03/2014
Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 01/13/2014
Next Scheduled EDR Contact: 04/28/2014
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Auto Stat: EDR Proprietary Historic Gas Stations - Cole

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: N/A
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR US Hist Cleaners: EDR Proprietary Historic Dry Cleaners - Cole

Date of Government Version: N/A	Source: N/A
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists.

Date of Government Version: N/A	Source: EDR
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 12/24/2013	Last EDR Contact: 06/01/2012
Number of Days to Update: 176	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists.

Date of Government Version: N/A	Source: EDR
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 12/24/2013	Last EDR Contact: 06/01/2012
Number of Days to Update: 176	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists.

Date of Government Version: N/A	Source: EDR
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/10/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 193	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

COUNTY RECORDS

KING COUNTY:

Abandoned Landfill Study in King County

The King County Abandoned Landfill Survey was conducted from October through December 1984 by the Health Department's Environmental Health Division at the request of the King County Council. The primary objective of the survey was to determine if any public health problems existed at the predetermined 24 sites.

Date of Government Version: 04/30/1985	Source: Seattle-King County Department of Public Health
Date Data Arrived at EDR: 11/07/1994	Telephone: 206-296-4785
Date Made Active in Reports: N/A	Last EDR Contact: 10/21/1994
Number of Days to Update: 0	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

SEATTLE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Abandoned Landfill Study in the City of Seattle

The Seattle Abandoned Landfill Survey was conducted in June and July of 1984 by the Health Department's Environmental Health Division at the request of the Mayor's Office. The primary objective of the survey was to determine if any public health problems existed at the predetermined 12 sites.

Date of Government Version: 07/30/1984	Source: Seattle - King County Department of Public Health
Date Data Arrived at EDR: 11/07/1994	Telephone: 206-296-4785
Date Made Active in Reports: N/A	Last EDR Contact: 10/21/1994
Number of Days to Update: 0	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

SEATTLE/KING COUNTY:

Seattle - King County Abandoned Landfill Toxicity / Hazard Assessment Project

This report presents the Seattle-King County Health Department's follow-up investigation of two city owned and four county owned abandoned landfills which was conducted from February to December 1986.

Date of Government Version: 12/31/1986	Source: Department of Public Health
Date Data Arrived at EDR: 08/18/1995	Telephone: 206-296-4785
Date Made Active in Reports: 09/20/1995	Last EDR Contact: 08/14/1995
Number of Days to Update: 33	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

SNOHOMISH COUNTY:

Solid Waste Sites of Record at Snohomish Health District

Solid waste disposal and/or utilization sites in Snohomish County.

Date of Government Version: 11/16/2011	Source: Snohomish Health District
Date Data Arrived at EDR: 03/29/2012	Telephone: 206-339-5250
Date Made Active in Reports: 05/03/2012	Last EDR Contact: 12/26/2013
Number of Days to Update: 35	Next Scheduled EDR Contact: 04/07/2014
	Data Release Frequency: Semi-Annually

TACOMA/PIERCE COUNTY:

Closed Landfill Survey

Following numerous requests for information about closed dumpsites and landfills in Pierce County, the Tacoma-Pierce County Health Department decided to conduct a study on the matter. The aim of the study was to evaluate public health risks associated with the closed dumpsites and landfills, and to determine the need, if any, for further investigations of a more detailed nature. The sites represent all of the known dumpsites and landfills closed after 1950.

Date of Government Version: 09/01/2002	Source: Tacoma-Pierce County Health Department
Date Data Arrived at EDR: 03/24/2003	Telephone: 206-591-6500
Date Made Active in Reports: 05/14/2003	Last EDR Contact: 03/19/2003
Number of Days to Update: 51	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/22/2013
Next Scheduled EDR Contact: 03/03/2014
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 11/01/2013
Date Data Arrived at EDR: 11/07/2013
Date Made Active in Reports: 11/18/2013
Number of Days to Update: 11

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 11/07/2013
Next Scheduled EDR Contact: 02/17/2014
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 07/24/2013
Date Made Active in Reports: 08/19/2013
Number of Days to Update: 26

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/20/2014
Next Scheduled EDR Contact: 05/05/2014
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 08/09/2013
Date Made Active in Reports: 09/27/2013
Number of Days to Update: 49

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/11/2013
Next Scheduled EDR Contact: 03/31/2014
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: Rextag Strategies Corp.
Telephone: (281) 769-2247

U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health
Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Daycare Center Listing

Source: Department of Social & Health Services

Telephone: 253-383-1735

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

WISHKAH ROAD
WISHKAH ROAD
ABERDEEN, WA 98520

TARGET PROPERTY COORDINATES

Latitude (North):	47.0056 - 47° 0' 20.16"
Longitude (West):	123.8117 - 123° 48' 42.12"
Universal Transverse Mercator:	Zone 10
UTM X (Meters):	438294.7
UTM Y (Meters):	5205887.5

USGS TOPOGRAPHIC MAP

Target Property Map:	47123-A7 ABERDEEN GARDENS, WA
Most Recent Revision:	1990
South Map:	46123-H7 ABERDEEN, WA
Most Recent Revision:	1994

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General West

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County
GRAYS HARBOR, WA

FEMA Flood
Electronic Data
YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 5300570425B - FEMA Q3 Flood data

Additional Panels in search area:
5300570325B - FEMA Q3 Flood data
5300580002B - FEMA Q3 Flood data
5300580001B - FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property
HUMPTULIPS

NWI Electronic
Data Coverage
YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius: 1.25 miles
Status: Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

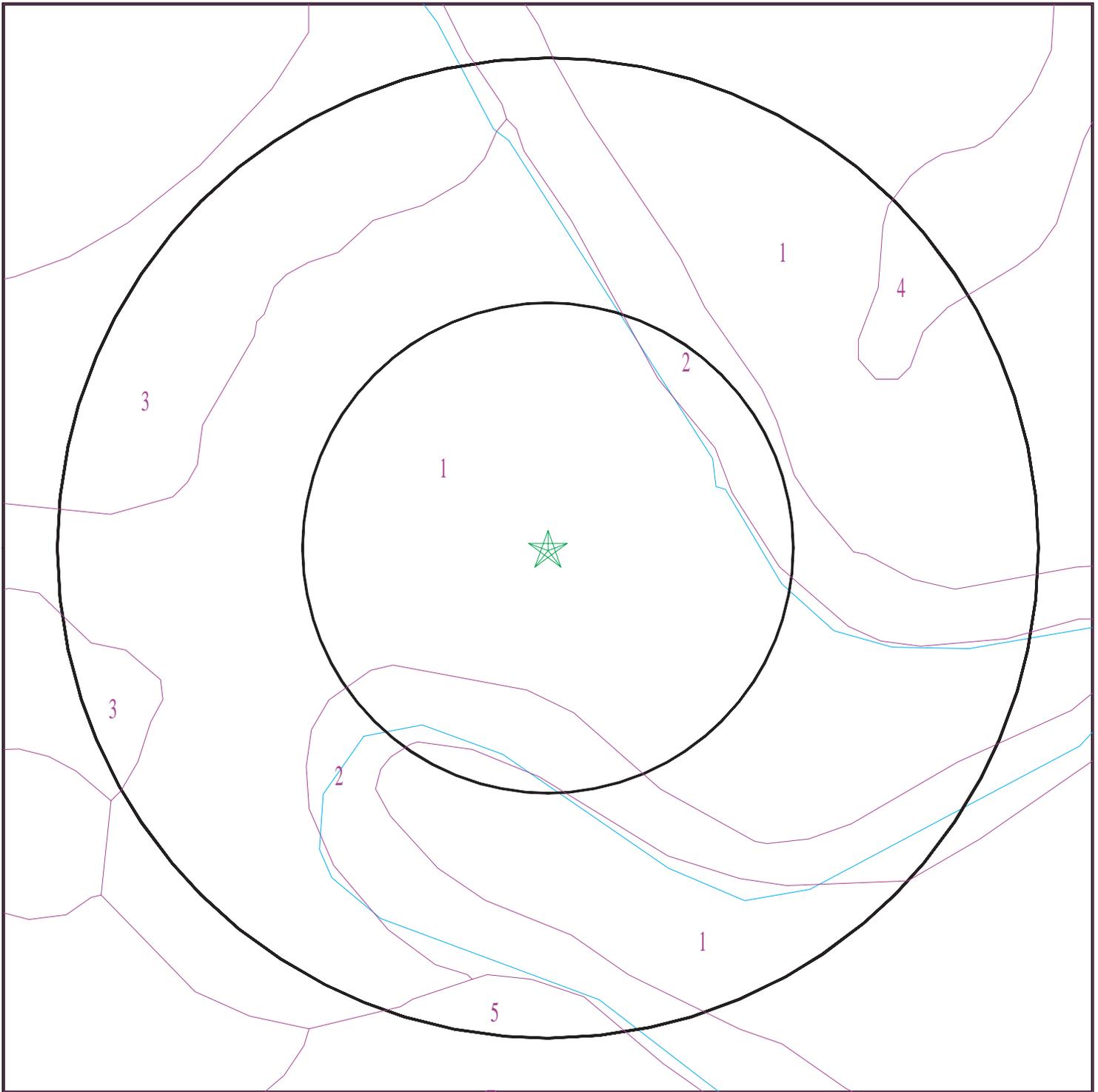
Era:	Cenozoic
System:	Tertiary
Series:	Miocene
Code:	Tm (decoded above as Era, System & Series)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 03837327.2r



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: Wishkah Road
ADDRESS: Wishkah Road
Aberdeen WA 98520
LAT/LONG: 47.0056 / 123.8117

CLIENT: AMEC Environment & Infrastructure, Inc.
CONTACT: Tyler Henningsen
INQUIRY #: 03837327.2r
DATE: January 22, 2014 10:08 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Ocosta

Soil Surface Texture: silty clay loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 46 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	11 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14 Min: 4	Max: 5 Min: 3.6
2	11 inches	20 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 4 Min: 1.4	Max: 5 Min: 3.6
3	20 inches	59 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 0 Min: 0	Max: 5 Min: 3.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

Soil Component Name: Water

Soil Surface Texture: silty clay loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:
Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 3

Soil Component Name: Lytell

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	11 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Organic Clay or Organic Silt.	Max: 14 Min: 4	Max: 5.5 Min: 3.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	11 inches	16 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Elastic silt.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
3	16 inches	50 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Elastic silt.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
4	50 inches	59 inches	weathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

Soil Map ID: 4

Soil Component Name: Orcas

Soil Surface Texture: peat

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Very poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 31 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	11 inches	peat	A-8	Highly organic soils, Peat.	Max: 705 Min: 141	Max: Min:

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	11 inches	59 inches	peat	A-8	Highly organic soils, Peat.	Max: 705 Min: 141	Max: Min:

Soil Map ID: 5

Soil Component Name: Zenker

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Organic Clay or Organic Silt.	Max: 14 Min: 4	Max: 6 Min: 3.6
2	9 inches	16 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Elastic silt.	Max: 14 Min: 4	Max: 6 Min: 3.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
3	16 inches	59 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Elastic silt.	Max: 14 Min: 4	Max: 6 Min: 3.6

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS40001239693	1/4 - 1/2 Mile SSW
2	USGS40001240133	1/2 - 1 Mile ENE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

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

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

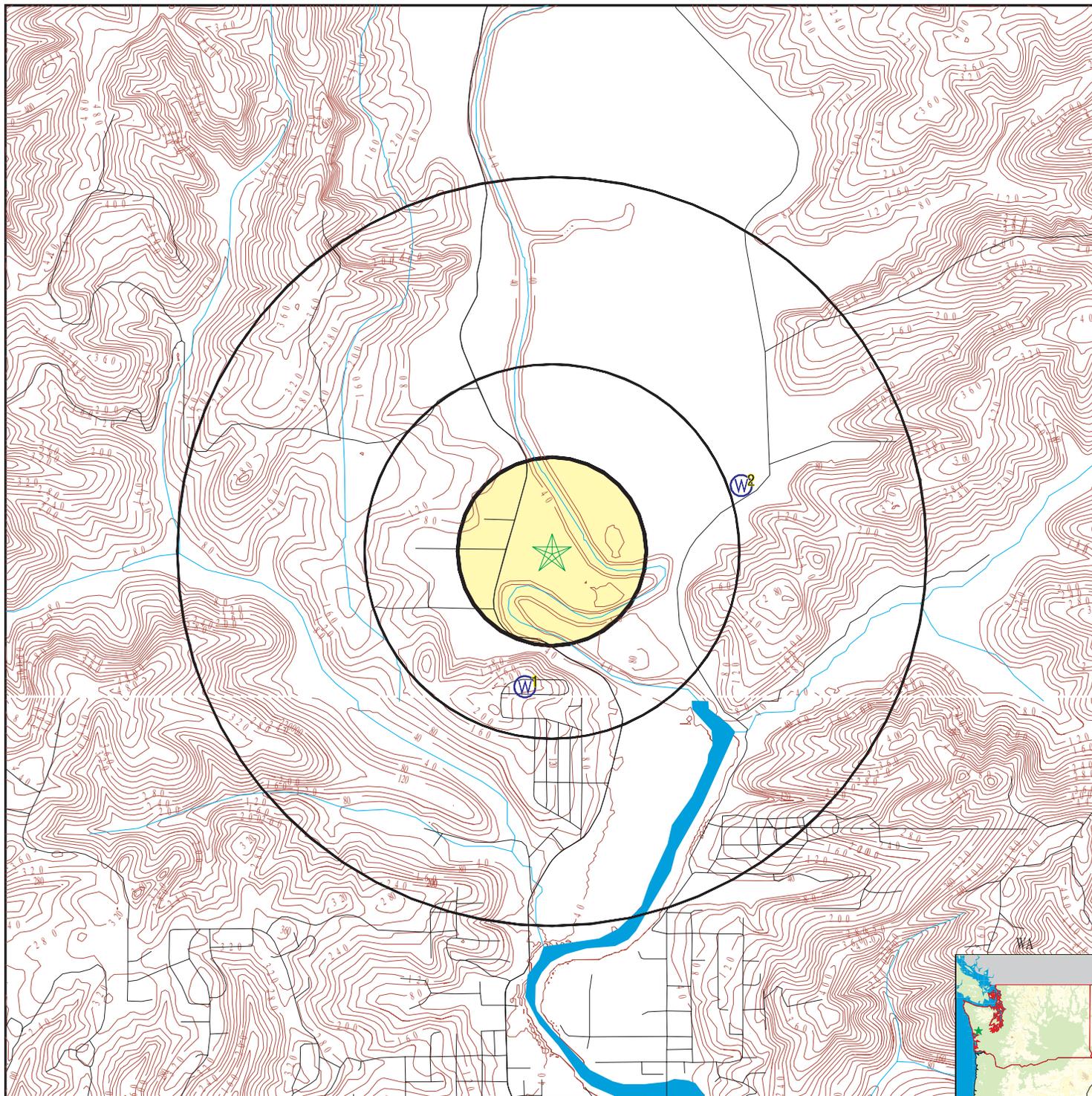
MAP ID

WELL ID

LOCATION
FROM TP

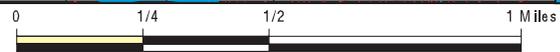
No Wells Found

PHYSICAL SETTING SOURCE MAP - 03837327.2r



-  County Boundary
-  Major Roads
-  Contour Lines
-  Earthquake epicenter, Richter 5 or greater
-  Water Wells
-  Public Water Supply Wells
-  Cluster of Multiple Icons

-  Groundwater Flow Direction
-  Indeterminate Groundwater Flow at Location
-  Groundwater Flow Varies at Location
-  Closest Hydrogeological Data



SITE NAME: Wishkah Road
 ADDRESS: Wishkah Road
 Aberdeen WA 98520
 LAT/LONG: 47.0056 / 123.8117

CLIENT: AMEC Environment & Infrastructure, Inc.
 CONTACT: Tyler Henningsen
 INQUIRY #: 03837327.2r
 DATE: January 22, 2014 10:08 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1
SSW
1/4 - 1/2 Mile
Higher

FED USGS USGS40001239693

Org. Identifier:	USGS-WA		
Formal name:	USGS Washington Water Science Center		
Monloc Identifier:	USGS-470002123484301		
Monloc name:	18N/09W-33L01		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	17100104	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	47.0003702
Longitude:	-123.813222	Sourcemap scale:	62500
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	200
Vert measure units:	feet	Vertacc measure val:	2
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19750715	Welldepth:	106
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 2

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
-----			-----		
1975-07-15	34		1975-07-15	34	

2
ENE
1/2 - 1 Mile
Lower

FED USGS USGS40001240133

Org. Identifier:	USGS-WA		
Formal name:	USGS Washington Water Science Center		
Monloc Identifier:	USGS-470030123475901		
Monloc name:	18N/09W-33A01		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	17100104	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	47.0081481
Longitude:	-123.8009996	Sourcemap scale:	62500
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	200
Vert measure units:	feet	Vertacc measure val:	2
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type: Not Reported
Construction date: 19750730
Welldepth units: ft
Wellholedepth units: Not Reported

Welldepth: 60
Wellholedepth: Not Reported

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for GRAYS HARBOR County: 3

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 98520

Number of sites tested: 7

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.500 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	1.400 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Wells

Source: Department of Health

Telephone: 360-236-3148

Group A and B well locations.

Water Well Listing

Source: Public Utility District

Telephone: 206-779-7656

A listing of water well locations in Kitsap County.

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Listing

Source: Department of Natural Resources

Telephone: 360-902-1450

Locations that represent oil and gas test well sites in Washington State from 1890 to present.

RADON

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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APPENDIX D

Publically Available Records

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Grays Harbor County Assessor's Office Online Parcel Database Assessment Information



[Show Map](#)

[GeoData Viewer](#)



Parcel 180933210010

Situs Address 03134 WISHKAH RD ABER

Legal Description LOT 1 LS PTN PLTD LS RD LS TAX 9 & LOT 3

Owner SCHULTZ JOHN J
Address 3134 WISHKAH RD
ABERDEEN , WA 98520

File Updated 1/15/2014 16:05
Location T 18 R 09 Sec 33
Appraisal Year 2013

Certified Values:	<u>Land</u> \$2,100.00	<u>Building</u> \$8,820.00	<u>Combined</u> \$10,920.00
--------------------------	---------------------------	-------------------------------	--------------------------------

Year Built 1968
Building Type MOBILE
Style 1-STORY
Quality FAIR

Tax Code 005F10
[School District](#) 005
[Voting Precinct](#) 014
Total Acres 27.51
Fire Patrol Acres 27

[\(pdf\) Land Use](#) 88 - Designated Forest Land RCW 84.33

	<u>Square Feet</u>	<u>Type</u>
Lot	0	
Building SF	672	
Percentage Complete	0%	
Basement SF	0	
Finished Basement SF	0	
Foundation	C/C BLOCK	
Porch 1 SF	336	Open WD Porch
Porch 2 SF	0	0
Garage 1 SF	0	
Garage 2 SF	0	
Carport SF	0	

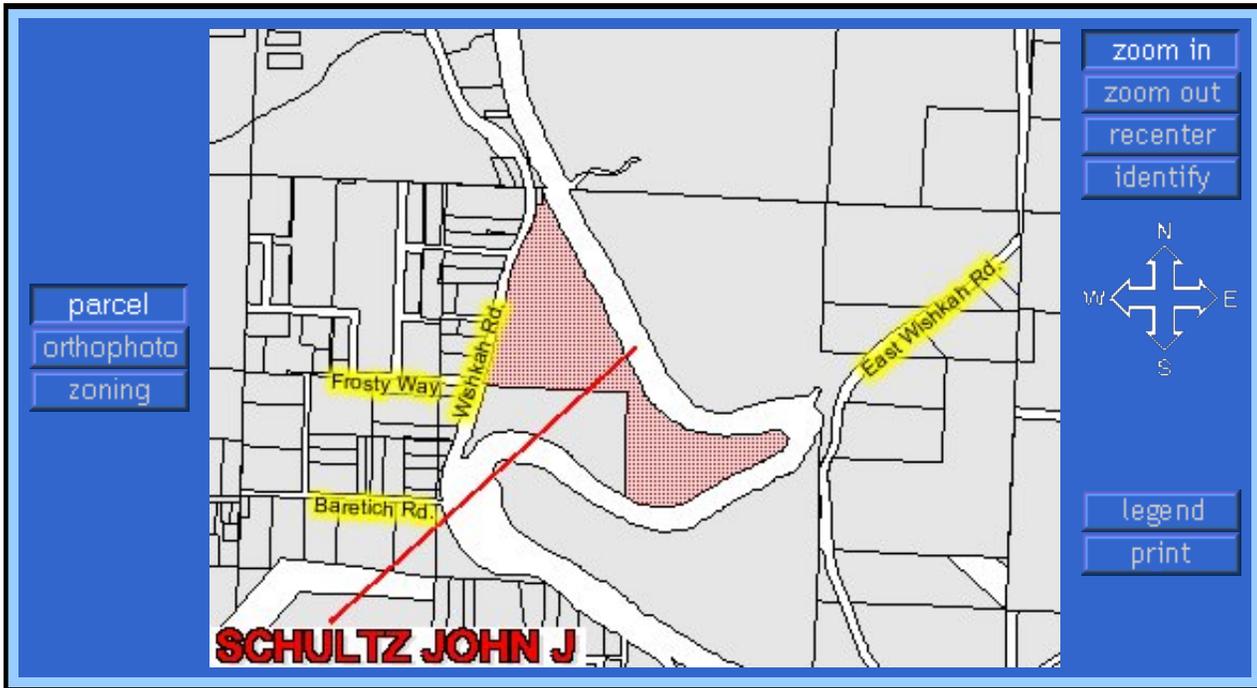
Lump Sum - Additional Buildings and Improvements		
Lump Sum #1	SH	\$4,000
Lump Sum #2	ST	\$1,000

[Lump Sum Codes?](#)

<u>Date Of Sale</u>	<u>Excise No</u>	<u>Price</u>	<u>Instr.</u>	<u>Type</u>
10/1/2002	E158479	\$65,000.00	WD	T

Grays Harbor County GIS - Parcel Map

Parcel Number: 180933210010
Owner Name: SCHULTZ JOHN J
Situs Address: 03134 WISHKAH RD ABER



[close](#) [report](#) [photo](#) [help](#)

GRAYS HARBOR-PACIFIC HEALTH DISTRICT
Division of Sanitation

RECEIVED

NOV 6 1967

FEE \$7.50

Receipt No. 5473

COURT HOUSE
SOUTH BEND, WASHINGTON
PHONE 875-5901

GRAYS HARBOR-PACIFIC HEALTH DIST.
FINCH BLDG. ABERDEEN, WASH.

223 FINCH BLDG.
ABERDEEN, WASHINGTON
PHONE LE 2-8631

APPLICATION TO CONSTRUCT OR ALTER AN INDIVIDUAL SEWAGE DISPOSAL SYSTEM
(Application Required for Each Installation)

Property Owner Ray Peterman Telephone 533-5871
(Please Print)

Mailing Address RT. 1 Box 126 C ABERDEEN, WA.

Address of Site Same

Location of Property, including: Lot No. _____ Block No. _____ Other Lot 1 Sec 33 Township 18 N Range 9 W. W. M.

Detailed directions to site: Approx 1 Mile out Wishkah Rd To Above Box # Tank is At left of Trailer House & Exposed

Property Size 29 Acres Residence Trailer House No. Bedrooms 2 Basement NO Commercial Type NO

Type of Residence: New Existing _____ Mobil Home

Water Supply: Public Well _____ Spring _____ Other _____

Is any water supply or body of water within 50 feet of sewage system? Yes No _____

Septic Tank 750 gallons. Drainage System Length Approx 56 feet. Trench Width 30" feet.
(Refer to Table 1 of Bulletin)* (Refer to Table 2 of Bulletin)*

And/or system other than above _____

Soil Conditions Trailer & septic tank located on a fill Water Table _____

Is Contractor installing septic tank? Yes No Drainfield? Yes _____ No

Name of Sewage Contractor Graystone of Aberdeen

Sewage Contractor Must Be Licensed by Grays Harbor-Pacific Health District

SKETCH PLOT PLAN AND PLANS OF PROPOSED SYSTEM ON BACK SIDE OF THIS SHEET

THE UNDERSIGNED hereby applies for a permit to construct a new () and/or alter () a sewage system on above property in accordance with the Bulletin.*

Applicant's Signature Ray Peterman

Address RT. 1 Box 126 C Aberdeen, WA.

* Bulletin: Washington State Department of Health Bulletin E. S. No. 1 entitled "A Septic Tank System for Your Home" for minimum requirements.

Sec 33 P33

(NOT TO BE FILLED IN BY APPLICANT)

Permit No. 1877 Fee 7.50 Date Issued 11-8-67 By [Signature]

Area Wishkah Sanitarian [Signature]

Dates Inspected 11-8-67 Remarks _____

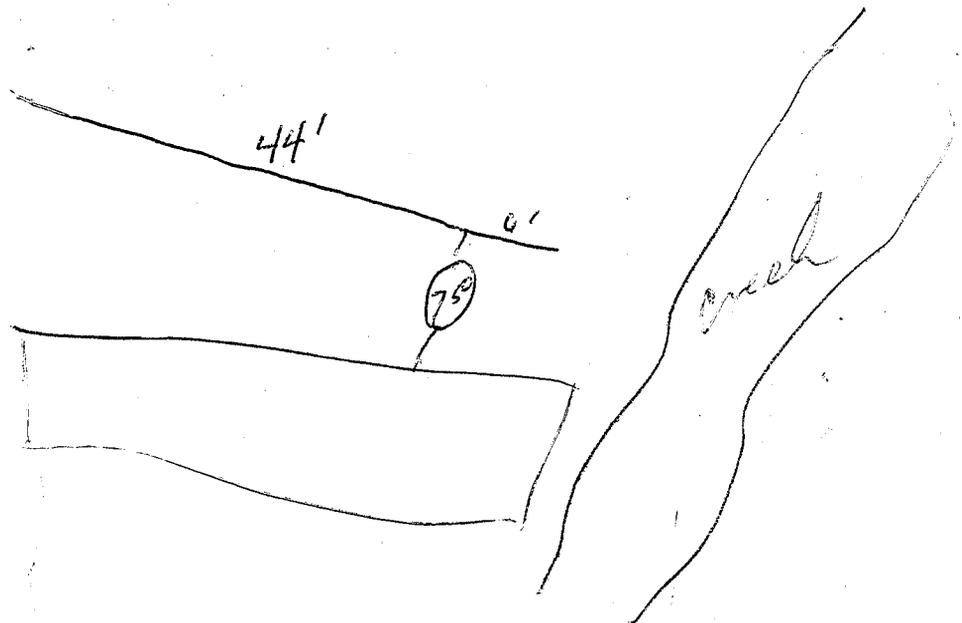
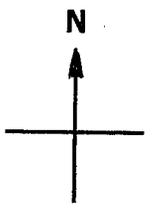
Date Approved 11-8-67 Approved by [Signature] (Sanitarian) 1877

(E. J.)

SKETCH AND DESIGNATE THE FOLLOWING

1877

1. PROPERTY LINES AND NAMES OF STREETS.
2. LOCATE ALL BUILDINGS, DRIVEWAYS, OTHER DRAINFIELDS AND TREES.
3. GIVE LOCATION AND DIMENSIONS OF SEPTIC TANK AND DRAINFIELD.
4. LOCATION AND DISTANCE TO ANY STREAM, LAKE, OCEAN, HIGHEST TIDE LINE, OR OTHER BODIES OF WATER WITHIN 100 FEET OF SEWAGE SYSTEM.
5. LOCATION AND TYPE OF WATER SUPPLY.



**Site Hazard Assessment
Worksheet 1
Summary Score Sheet**

SITE INFORMATION
March 2, 2010

Name: Tom Ludvigsen
New Owners: Carl Meneses
Address: 2723 Wishkah Road
City: Aberdeen **County:** Grays Harbor **State:** WA
Zip: 98520
Parcel #: 026600000903
Section/Township/Range: S33 T18 R09
Latitude: N46° 59' 50.8"
Longitude: W-123° 48' 30.6"
Facility Site ID Number: 799090

Site assessed/ranked for the August 2010 update.

Site History:

The subject site is located in a small community of Aberdeen in Grays Harbor County. The surrounding area is occupied by residential homes.

The Washington State Department of Ecology (Ecology), Southwest Regional Office received a complaint on June 3, 2005, regarding potential contamination at the referenced site. On February 17, 2005, I sent a certified letter (attached) to Mr. Ludvigsen, owner of the property, informing him that on February 10, 2005, the Washington State Department of Ecology (Ecology) received a complaint at 2723 Wishkah Road, Aberdeen from a caller who alleged oil and other fluids were leaking onto the ground. I requested Mr. Ludvigsen contact me by March 15, 2005, to discuss this complaint and set up a time to meet with him. As of this date, Mr. Ludvigsen has not contacted me regarding this matter.

On March 3, 2005, I received a letter from John L. Farra, Attorney at Law. Mr. Farra notified me he was the Guardian Ad Litem for Mr., Ludvigsen. On March 22, 2005, I sent a certified letter (attached) to Mr. Farra requesting his assistance to conduct an initial investigation. I have not heard Mr. Farra. I also attempted to

contact Mr. Farra via telephone of March 17, 21, 22, and 23rd to discuss the nature of Mr. Ludvigsen's complaint, but was unsuccessful. Since I am unable to conduct an initial investigation, I recommend this property be listed on our database as a suspected contaminated site.

The Ludvigsen's (Grays Harbor County, previous owner) property site was placed on Ecology's Confirmed or Suspected Contaminated Sites list on June 3, 2005.

Site Hazard Assessment (SHA)

On October 26, 2009, a Site Hazard Assessment (SHA) letter was sent unsuccessfully notifying Carl Meneses, new owner, Ecology will be conducting a site hazard assessment. The letter was returned to Ecology.

On October 26, 2009, Ecology attempted unsuccessfully to conduct and SHA investigation at the above reference site. Ecology contacted Ray Olson, Grays Harbor Code Enforcement, regarding ownership and cleanup issue of the property. Mr. Olson stated the county took the house back because of delinquent taxes. Carl Meneses, new owners, took away solid waste problems thereby complying with county solid waste requirements. Mr. Olson stated there was no petroleum spills on the ground. The house is nestled on top of a hill appeared to be vacant. As I approach the front door of the residences, I could not detect any unusual odors in the immediate area. I observed no hulk vehicles, scrap metal or debris in the yard. The photographic record of the site is attached. No soil sampling was conducted. The soils existing on the subject site consist of silt loam.

SPECIAL CONSIDERATIONS (Include limitations in site file data or data which cannot be accommodated in the model, but which are important in evaluating the risk associated with the site, or any other factor(s) over-riding a decision of no further action for the site):

This assessment has revealed no evidence of recognized environmental conditions in connection with the subject site. I recommend this site receive no further action.

ROUTE SCORES:

Surface Water/Human Health: ____ Surface Water/Environmental: ____
Air/Human Health: ____ Air/Environmental: ____
Groundwater/Human Health: ____ RANK: NFA



Carl Meneses 2723 Wishkah Rd, Aberdeen

ERTS # 546247

Initial Report

External Reference # rolson@aberdeeninfo.com

Caller Information

First Name RAY
 Last Name OLSEN
 Business Name CODE ENFORCEMENT OFFICER
 Street Address 200 E MARKET ST
 Other Address
 City ABERDEEN State WA Zip 98522-0
 E-mail Confidential_FL
 Phone (360) 537-3220 Ext Type Business

Where did it happen

Berth Anchorage
 Location Name
 Street Address 2723 WISHKAH
 Other Address
 City/Place LACEY State WA Zip
 County - Region THURSTON SWRO FS ID
 WIRA #
 Waterway WISHKAH Type RIVER
 Latitude Longitude
 Topo Quad 1:24:00 LACEY
 Direction/Landmark (mile post, cross roads, township/range)

What happened

Spills Program Oil Spill? N

Incident Date 2/10/2005 Received Date 2/10/2005 0:00
 Medium SOIL
 Material PETROLEUM - WASTE/USED OIL
 Quantity Unit

Primary Potentially Responsible Party Information

First Name THOMAS Last LUDVIGSEN
 Business Name
 Street Address
 Other Address
 City State WA Zip
 Phone Ext Type
 E-mail

Source DOMESTIC
 Cause HUMAN FACTOR - IMPROPER PROCEDURES
 Incident Type
 Activity OTHER
 Impact SOIL CONTAMINATION
 Vessel Name
 Hull Number

Additional Contact Information

Name Phone Ext Type

More Information

-----Original Message-----
 From: SMTP@www.ecy.wa.gov [mailto:SMTP@www.ecy.wa.gov]
 Sent: Thursday, February 10, 2005 10:41 AM
 To: Brooks, Nannette (ECY)
 Subject: Form results from http://www.ecy.wa.gov/programs/spills/forms/nerts_online/SWRO_nerts_online.html

 Caller_First_Name: RAY
 Caller_Last_Name: OLSON
 Caller_Business_Name: CODE ENFORCEMENT OFFICER
 Caller_Street_Address: 200 E MARKET STREET
 Caller_Address_Other:
 Caller_City: ABERDEEN
 Caller_State: WA
 Caller_Zip: 98520
 Caller_Homephone:
 Caller_workphone: 360-537-3220
 Caller_Email: ROLSON@ABERDEENINFO.COM
 Caller_Confidential: No
 Reported_Incident_Date: 2/10/04
 Reported_Medium: GROUND WATER
 Reported_Material: ANTI-FREEZE

ERTS # 546247

Reported_Other_Material: MOTOR OILS, BRAKE FLUIDS, TRANSMISSION FLUIDS
 Reported_Quantity: UNKNOWN
 Reported_Unit_of_Measure: Unknown
 Reported_Source: MOTOR VEHICLE
 Reported_Cause: HUMAN FACTOR - IMPROPER PROCEDURES
 Reported_Activity: REPAIRING
 Reported_Impact: GROUND WATER CONTAMINATION
 Reported_Vessel_Name:
 Reported_Vessel_Type: Unknown
 Reported_More_Info: OWNER OF PROPERTY RUNNING AN ILLEGAL CHOP/REPAIR SHOP. HAS BEEN PARTING OUT VEHICLES FOR AT LEAST FIVE OR MORE YEARS. CODE ENFORCEMENT WAS RECENTLY INVOLVED IN THE ABATEMENT OF VEHICLES AND CLEANUP OF PROPERTY. NATURAL STREAM RUNS THROUGH THE PROPERTY AND EVENTUALLY FEEDS INTO WISHKAH RIVER. SOILS APPEAR TO BE CONTAMINATED WITH MOTOR OILS, ANTI FREEZES AND OTHER VEHICLE FLUIDS. PROPERTY OWNER IS NOW INCARCERATED AND CLEANUP IN PROGRESS.
 Reported_Incident_NWROCounty: Grays Harbor
 Reported_Incident_City: ABERDEEN
 Incident_Location_Street_Add: 2723 WISHKAH RD
 Reported_Incident_Waterway: WISHKAH RIVER
 Reported_Waterway_Type: GROUND WATER
 Reported_Directions: STATE RT 8 INTO ABERDEEN, RIGHT ON G STREET, RIGHT ONTO MARKET STREET, LEFT ONTO B STREET. B STREET TURNS INTO WISHKAH RD, HOUSE WILL BE ROUGHLY 1/2 MILE UP WISHKAH RD ON LEFT SIDE OF HIGHWAY. THERE IS A STEEP DRIVEWAY LEADING UP TO PROPERTY. LEGAL ACTION IN PLACE ON PROPERTY. PLEASE NOTIFY RAY OLSON CODE ENFORCEMENT OFFICER @ 360-537-3220 TO ACCOMPANY INSPECTOR ONTO PROPERTY.
 Reported_PRP_First_Name: THOMAS
 Reported_PRP_Last_Name: LUDVIGSEN
 Reported_PRP_Business:
 Reported_PRP_Street_Address: 2723 WISHKAH RD
 Reported_PRP_address2:
 Reported_PRP_City: ABERDEEN, WA
 Reported_PRP_State: WA
 Reported_PRP_Zip: 98520
 Reported_PRP_Phone: UNKNOWN
 Reported_PRP_Phone_Type: select one
 Reported_PRP_More_Info2: THOMAS LUDVIGSEN IS PRESENTLY SERVING A 18 MONTH SENTENCE AT SHELTON CORRECTION FACILITY.
 Submit_Button: Submit

Entry Person BROOKS, NANNETTE

Entry Date 2/10/2005

ERTS # 546247

Referral

Referral # 76949

Primary

Referral Method

- E-mail ERTS number
- E-mail attachment
- Print
- Telephone

Person Referred to SVENDSEN, FERN
Phone (360) 407-6246 Fax
E-mail fsve461@ecy.wa.gov
Program/Organization TOXICS CLEANUP
Address
City WA
Region/Location swro
Referral Date 2/10/2005

ERTS # 546247

Followup

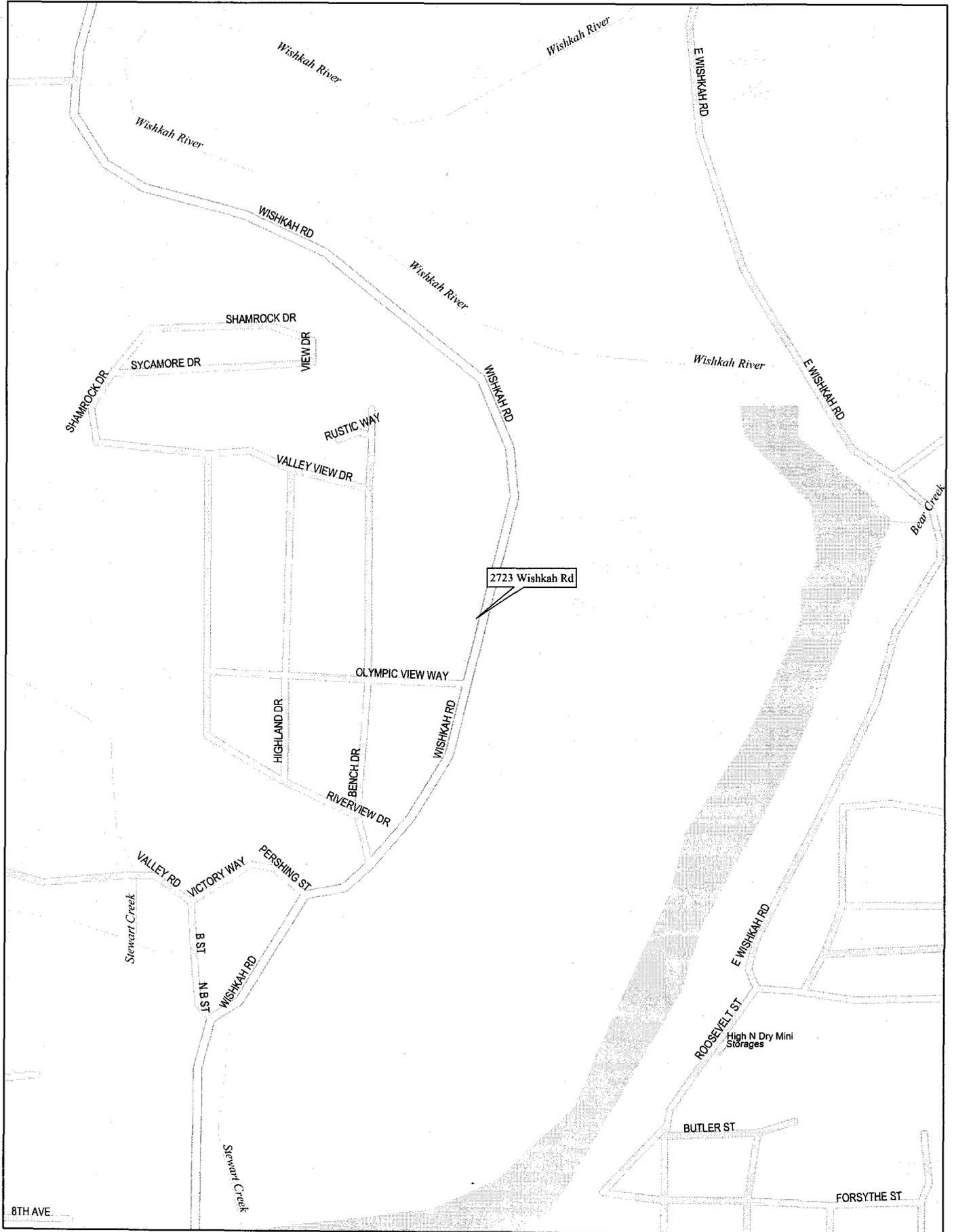
Inspector Information		Where did it happen		Followup #1
Referral # 76949		Berth	Anchorage	
<input type="checkbox"/> Lead Inspector SVENDSEN, FERN		Location Name		
Program/Organization TOXICS CLEANUP		Street Address	2723 WISHKAH	
* Region/Location swro		Other Address		
# of Ecology Staff	1	City/Place	MALONE	State WA Zip
Overtime	<input type="checkbox"/>	County	GRAYS HA	Region SWRO FS ID 799090
Action	Start Date	End Date	Waterway	WISHKAH Type RIVER
REQUESTED INFORMATION	3/3/2005	3/3/2005	WRIA #	
TCP - SIS	9/2/2005	9/2/2005		
What happened	Spills Program Oil Spill? N	Latitude	46.99742	Longitude 123.80806
Incident Date	2/10/2005	Topo Quad	1:24,000 MCCLEARY	
<u>Medium</u>		Direction/Landmark (mile post, cross roads, township/range)		
SOIL				
<u>Material</u>				
PETROLEUM - WASTE/USED OIL				
Quantity	Unit	Est.		
		<input type="checkbox"/>		
<u>Source</u>	Regulated? <input type="checkbox"/>	Potentially Responsible Party Information		
DOMESTIC		Check if the primary PRP provided notice to Ecology <input type="checkbox"/>		
<u>Cause</u>		Primary <input checked="" type="checkbox"/>	First	Last
HUMAN FACTOR - IMPROPER PROCEDURES		Name	THOMAS	LUDVIGSEN
<u>Incident Type</u>		Business Name		
		Street Address	2723 WISHKAH RD	
<u>Activity</u>		Other Address		
OTHER		City	ABERDEEN	State WA Zip 98520-
<u>Impact</u>		Phone	Ext	Type
SOIL CONTAMINATION		E-mail		
<u>Vessel</u>				

Narrative

On February 17, 2005, I sent a certified letter (attached) to Mr. Ludvigsen, owner of the property, informing him, on February 10, 2005, the Washington State Department of Ecology (Ecology) received a complaint at 2723 Wishkah Road, Aberdeen from a caller who alleged oil and other fluids leaking onto the ground. I requested Mr. Ludvigsen to contact me by March 15, 2005, to discuss this complaint and set up a time to meet with him. As of this date, Mr. Ludvigsen has not contacted me regarding this matter.

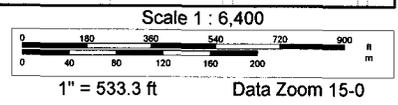
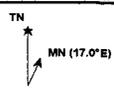
On March 3, 2005, I received a letter from John L. Farra, Attorney at Law. Mr. Farra notified me he was the Guardian Ad Litem for Mr. Ludvigsen. On March 22, 2005, I sent a certified letter (attached) to Mr. Farra requesting his assistance in to conduct an initial investigation. I have not heard from Mr. Farra. I also attempted to contact Mr. Farra via telephone of March 17, 21, 22, and 23rd to discuss the nature of Mr. Ludvigsen complaint, but was unsuccessful. Since I am unable to conduct an initial investigation, I recommend this property be listed on our database as a suspected contaminated site as per WAC 173-340-310 (5)(a). Should new information be revealed, I will re-evaluate my decision.

Entry Person: BROOKS, NANNETTE Entry Date 9/2/2005



2723 Wishkah Rd

8TH AVE





Home » Latitude and Longitude of a Point



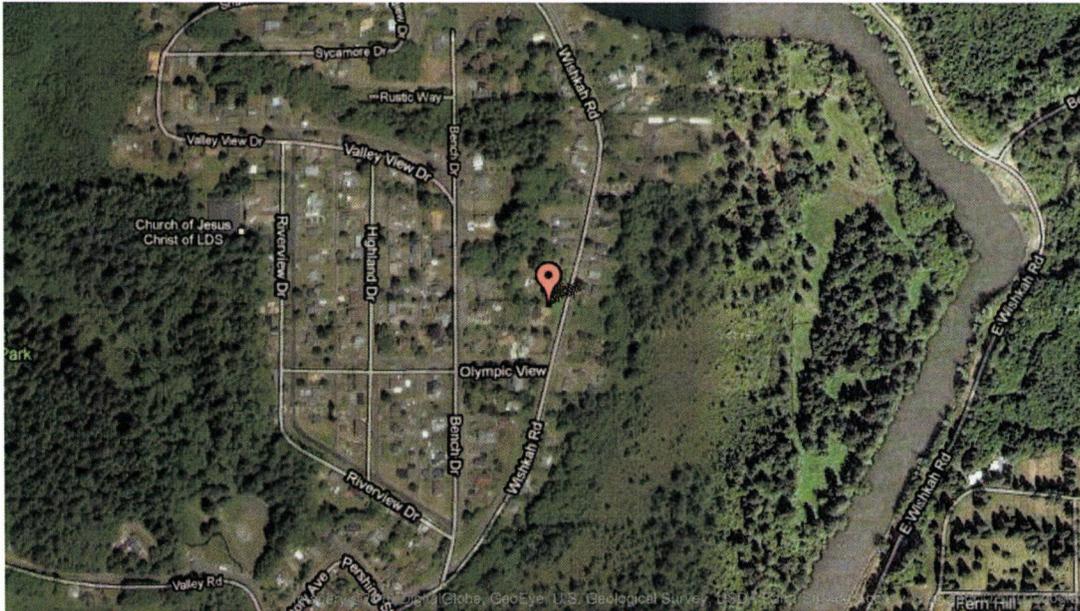
To find the latitude and longitude of a point Click on the map, Drag the marker, or enter the...

Address: 2723 Wishkah road, Aberdeen, Wa

Map Center: [Get Address](#) - [Land Plat Size](#) - [Street View](#) - [Google Earth 3D](#) - [Area Photographs](#)

Try out the [Google Earth Plug-in](#). Google Earth gives you a 3D look of the area around the center of the map, which is usually your last click point, and includes latitude, longitude and elevation information.

Latitude and Longitude of a Point



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Ads by Google

Note: Right click on a [blue marker](#) to remove it.

Get the Latitude and Longitude of a Point

When you click on the map, move the marker or enter an address the latitude and longitude coordinates of the point are inserted in the boxes below.

Latitude:

Longitude:

	Degrees	Minutes	Seconds
Latitude:	<input type="text" value="46"/>	<input type="text" value="59"/>	<input type="text" value="50.4528"/>
Longitude:	<input type="text" value="-123"/>	<input type="text" value="48"/>	<input type="text" value="30.657"/>

Show Point from Latitude and Longitude

Use this if you know the latitude and longitude coordinates of a point and want to see where on the map the point is.

Use: **+** for N Lat or E Long **-** for S Lat or W Long.

Example: +40.689060 -74.044636

Note: Your entry should not have any embedded spaces.

Decimal Deg. Latitude:

Decimal Deg. Longitude:

Example: **+34 40 50.12** for **34N 40' 50.12"**

	Degrees	Minutes	Seconds
Latitude:	<input type="text"/>	<input type="text"/>	<input type="text"/>
Longitude:	<input type="text"/>	<input type="text"/>	<input type="text"/>



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

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

October 7, 2009

Carl Meneses
P.O. Box 993
Aberdeen, Wa 98520

Subject: Site Hazard Assessment – former Ludvigsen property site
Ecology Facility Site ID: 799090

Dear Mr. Meneses:

The Department of Ecology (Ecology) will conduct a site hazard assessment (SHA) of the former Ludvigsen property, 2723 Wishkah Road, Aberdeen, under the Model Toxics Control Act (MTCA), Chapter 173-340-320 WAC. This site is currently on Ecology's Confirmed and Suspected Contaminated Sites List with a status of "Awaiting SHA". This assessment will be performed by Fern Svendsen of Ecology's Toxics Cleanup Program. She will contact you to arrange a suitable time for a future site visit.

The purpose of a SHA is to gather information on past/present waste management activities, along with other basic site-specific environmental data, in order to score the site following the Washington Ranking Method (WARM) Scoring Manual guidelines. Potential/actual threats to human health and the environment are evaluated for each applicable migration route, with a resultant "hazard ranking" for the site determined.

Sites are ranked on a scale of one (1) to five (5), with 1 representing the highest level of concern, and 5 the lowest relative to other assessed/ranked sites in the state. The site and ranking are then placed on Ecology's Hazardous Sites List (HSL). Possibly, depending on the results of the SHA, a recommendation of "No Further Action" (NFA) may be made and the site not listed.

For your information, Ecology will publish notice that a SHA is scheduled for this site in a future issue of the *Site Register* – a semi-monthly Ecology publication updating cleanup activities. Likewise, the SHA outcome, either as a ranked site or a determination of NFA, will be published in the *Site Register*.

In addition to any required fieldwork, the following information will be considered in scoring this site:

- Ecology Southwest Regional Office Site Files



You are requested to submit any additional environmental information regarding this site to:

Fern Svendsen
Toxics Cleanup Program
Washington Department of Ecology
PO Box 47775
Olympia, WA 98504-7775

Additional data could include any environmental assessment work or laboratory analyses conducted relating to this site not previously submitted to Ecology. Every attempt will be made to obtain the most recent and accurate data for scoring the site. If you have better information, or comments on the adequacy of the data already collected, please advise us. The final site rank and eventual site priority will be based primarily on the information used in the scoring. Your active participation in the assessment and scoring process is important to insure that the best data available is used.

Fact sheets describing SHA, WARM, and the HSL are enclosed for your information, as well as a copy of the Integrated Site Information System Site Data Summary sheet. If you have questions please call me at (360) 407-6388 (e-mail: cris.matthews@ecy.wa.gov), or Fern Svendsen at (360) 407-6246 (e-mail: fern.svendsen@ecy.wa.gov).

Sincerely,



Cris Matthews
Site Hazard Assessments
Toxics Cleanup Program
Southwest Regional Office
Washington Department of Ecology

Enclosures (4)

By certified mail: (7008 2810 0001 3941 1641)

cc: Fern Svendsen, Ecology

JOHN L. FARRA

Attorney at Law

RECEIVED
DEPT. OF ECOLOGY/SWRC

'05 JUN 17 10:45

PO Box 817 * 813 Point Brown Avenue NW * Ocean Shores, WA 98569
(360) 289-0918 * Fax (360) 289-5364

June 15, 2005

Department of Ecology
Kim Cross Toxics Cleanup Program
Southwest Regional Office
PO Box 47775
Olympia, WA 98504-7775

Re: Ludvigsen-Real Property

Dear Ms. Cross,

The purpose of this letter is to indicate that I was only a temporary guardian for the residence at 2723 Wishkah Rd. Aberdeen, Washington. The Heir of the property is Tom Ludvigsen, who is presently located in Monroe Correction Facility and will be there until August or September of 2005.

You can contact the City of Aberdeen in reference to their department which specifically handles the Abatement of Real Property. I was able to remove all the motor vehicles on the property before a permanent guardianship was created for Mr. Ludvigsen. Unfortunately, the alleged incapacitated person, died.

As I indicated the property technically belongs to Tom Ludvigsen his son, who is presently in prison. I will forward this information to him once he gets out of prison, but there is nothing I can do because of have no legal standing or authority.

In any event, if there is anything else I can help you with please feel free to contact me.

Sincerely,



John L. Farra, WSBA#4164

Attorney at Law

JLF:jf



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

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

CERTIFIED MAIL

June 3, 2005

Mr. John L. Farra, Guardian Ad Litem
Thomas Ludvigsen
PO Box 817
Ocean Shores WA 98569

Dear Mr. Ludvigsen:

This letter is written regarding your property located at 2723 Wishkah Road, Aberdeen Washington. The Model Toxics Control Act (MTCA, Chapter 70.105D RCW) mandates the Department of Ecology (Ecology) maintain a database of Confirmed or Suspected Contaminated Sites. This property has been listed in our database as a State Cleanup Site, as a result of the lack of cooperation with an initial investigation attempted by The Department of Ecology. The purpose of the initial investigation is to confirm or deny allegations of contamination on site, if staff are not allowed to investigation the law requires automatic listing. The identification number assigned to this site is 799090.

Please note that inclusion in the database does not mean Ecology has determined you to be a potentially liable person. In the future, Ecology may conduct a more detailed inspection of this property including testing for possible contamination. At that time, Ecology will assess whether action will be needed and establish a priority for the work.

Ecology's policy is to work cooperatively with individuals to accomplish prompt and effective cleanups. However, due to limited resources we are not always able to provide requested assistance. Your cooperation with Ecology in planning or conducting a remedial action is not an admission of guilt or liability. Please be aware of state laws that must be adhered to if you decide to proceed with cleanup work on your own.

Enclosed is a copy of Chapter 70.105D RCW and the implementing regulations, Chapter 173-340 WAC which detail these requirements. If you have any questions, please call me at (360) 407-6240. Thank you for your cooperation.

Sincerely,

Kim Cross
Toxics Cleanup Program
Southwest Regional Office

ksc:05102005 ENL
Enclosure

cc: Fern Svendsen, Department of Ecology
Michael Spencer, Department of Ecology



SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

John L. Farra, Guardian Ad Litem
 Thomas Ludvigsen
 PO Box 817
 Ocean Shores, WA 98569

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent Addressee
J. Farra

B. Received by (Printed Name) *J. Farra* C. Date of Delivery *10/20/04*

D. Is delivery address different from item 1? Yes No
 If YES, enter delivery address below:

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes

2. Article Number (Transfer from service label) *7004 2890 0001 9161 7463*

PS Form 3811, February 2004 Domestic Return Receipt *K. Cross* 102595-02-M-1540

7004 2890 0001 9161 7463

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K. Cross **GLOBAL USE**

Postage	\$ <i>3.95</i>	Postmark Here
Certified Fee	<i>2.30</i>	
Return Receipt Fee (Endorsement Required)	<i>1.25</i>	
Restricted Delivery Fee (Endorsement Required)	<i>8.00</i>	

To: John L. Farra, Guardian Ad Litem
 Sent Thomas Ludvigsen
 Street or P.O. PO Box 817
 City, Ocean Shores, WA 98569

PS Form 3800, June 2002 See Reverse for Instructions

INTERNAL INVESTIGATION CLOSE-OUT - OUTER

ERTS # 546247 Site Name Thomas Ludvigsen

1 Recommended Action: Circle the appropriate categories.
NFA Listing on SIS High Priority SHA
Initial Investigator: John A. Mindren

2 Unit Supervisor: CM

3 Final Action: Circle the appropriate categories.
NFA Listing on SIS High Priority SHA
Section Manager: Rebecca Lawson

NFAs go Directly to the Incident Tracker, and Then the File Room; Others Follow the Process Below

4 Entered on SIS:
Date: _____
SIS Site Number: _____ Facility Site Number: 799090
Date Early Notice Letter Sent: _____
FS/SIS Coordinator: _____

5 Incident Tracker: NFA
Date: 9/26/05
9/2/05
46, 99742
123, 80806

6 File Room:
County: _____
File Type: _____



INITIAL INVESTIGATION FIELD REPORT

ERTS Number: 546247
 Parcel #: 026600000903
 COUNTY: Grays Harbor

SITE INFORMATION

Site Name (e.g., Co. name over door): Thomas Ludvigsen	Site Address (including City and Zip+4): 2723 Wishkah Road, Aberdeen, Washington 98520	Site Phone: None
Site Contact and Title: John L. Farra, Guardian Ad Litem for Ludvigsen	Site Contact Address (including City and Zip+4): P.O. Box 817, Ocean Shores, Washington 98569	Site Contact Phone: 360-289-0918
Site Owner:	Site Owner Address (including City and Zip+4):	Site Owner Phone:
Site Owner Contact:	Site Owner Contact Address (including City and Zip+4):	Owner Contact Phone:
Alternate Site Name(s):	Comments:	Is property > 10 acres? Yes No X
Previous Site Owner(s):	Comments:	

Location: Quarter-Quarter:	Section: 33	Township: 18	Range: 9
Latitude: Degrees: N46	Minutes: 59	Seconds: 50.7	
Longitude: Degrees: W123	Minutes: 48	Seconds: 29	

INSPECTION INFORMATION

Inspection Date:	Inspection Time:	Entry Notice: Announced <input type="checkbox"/> Unannounced
None		
Photographs Yes <input type="checkbox"/> No X	Weather: Clear X <input type="checkbox"/> Rain <input type="checkbox"/> Temperature: _____ °F	
Samples Yes <input type="checkbox"/> No X	Wind Direction:	Wind Speed:

RECOMMENDATION

No Further Action (Indicate NFA in box below):	LIST on ISIS (Indicate in box below):
Release or threatened release does not pose a threat <input type="checkbox"/>	Site Hazard Assessment X
No release or threatened release <input type="checkbox"/>	Interim Action <input type="checkbox"/>
Educational mailing <input type="checkbox"/>	Emergency Action <input type="checkbox"/>
Refer to program/agency (Name: _____) <input type="checkbox"/>	Independent Cleanup Action In progress <input type="checkbox"/>
Independent Cleanup Action Completed (i.e., contam, removed) <input type="checkbox"/>	

COMPLAINT (Brief Summary of ERTS):

Oil and other fluids leaking onto the ground.

SITE STATUS (Brief Summary of site condition(s) after investigation):

Unable to conduct an initial investigation.

1 Base/neutral organics	7 Petroleum products	13 Corrosive wastes
2 Halogenated organic compounds	8 Phenolic compounds	14 Radioactive wastes
3 Metals - Priority pollutants	9 Non-halogenated solvents	15 Conventional contaminants, organic
4 Metals - Other	10 Dioxin	16 Conventional contaminants, inorganic
5 Polychlorinated biPhenyls (PCBs)	11 Polynuclear aromatic hydrocarbons (PAHs)	
6 Pesticides	12 Reactive wastes	

SITE INFORMATION

Soil type Loam	Slope
Site vegetation/cover present:	Pasture/open field <input type="checkbox"/>
Forest <input type="checkbox"/>	Wetlands <input type="checkbox"/>
Bare soil <input type="checkbox"/>	Pavement <input checked="" type="checkbox"/>
Brush <input type="checkbox"/>	Surface water <input type="checkbox"/>
Landscaped <input type="checkbox"/>	
Other - Describe:	

Are there any drinking water systems affected?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Municipal, private, or both? (Circle one)		
How many people are estimated to be affected? _____		
Is there a potential for a release or threatened release to affect a drinking water source?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are there monitoring wells in the vicinity?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are there dry wells in the vicinity?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

CONTAMINANT PATHWAYS AND TARGETS

	Ingestion	Inhalation	Contact
Ground Water			
Surface Water			
Drinking Water			
Soil			
Sediment			
Air			
Targets possible:		Residential <input type="checkbox"/>	
Human, adult <input type="checkbox"/>		Industrial <input type="checkbox"/>	
Human, children <input type="checkbox"/>		Commercial <input type="checkbox"/>	

Sensitive environments (See WARM Scoring Manual for definition):
 Yes No If yes, describe:

General Comments:

SITE MAP/DIAGRAM

Site Name Thomas Ludvigsen

No soil samples collected.



Approximate scale: _____ inch = _____ feet

ERTS Number 546247

County Grays Harbor

5/18/05



STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

P.O. Box 47775 • Olympia, Washington 98504-7775 • (360) 407-6300

CERTIFIED MAIL

March 22, 2005

Mr. John L. Farra
Attorney at Law
P.O. Box 817
Ocean Shores, Washington 98569

Dear Mr. Farra:

Re: ERTS# 546247 Ejgil Ludvigsen, 2723 Wishkah Road, Aberdeen, Washington

On March 7, 2005, I received your letter notifying Ecology you are the Guardian Ad Litem for Mr. Ludvigsen. I attempted to contact you via telephone on March 17, 21, 22, and 23rd to discuss the nature of this complaint, but was unsuccessful.

The purpose of Ecology's initial investigation is to determine whether or not a release of hazardous substances may have occurred. If initial investigators are unable to gain access to a site to conduct an initial investigation to determine whether or not a release of hazardous substances has occurred, they will recommend the property be listed on Ecology's database as a suspected contaminated site as per WAC 173-340-310 (ii). At a later date, the site may be ranked and published on the State's Hazardous Site's List. In addition, the State of Washington Model Toxics Control Act mandates Ecology to take steps to clean up any immediate threat and to pursue cost recovery action against any party found liable for contamination.

Please contact me by April 15, 2005, at (360) 407-6246 or via e-mail at fsve461@ecy.wa.gov to discuss this complaint and set up a time at your convenience for me to meet with you. Your cooperation in this matter is appreciated.

Sincerely,

Fern A. Svendsen
Initial Site Investigator
Toxics Cleanup Program
Southwest Regional Office

FAS/ksc:032305 Access request letter

546247

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Fern Svendsen

Postage	\$.37
Certified Fee	2.00
Return Receipt Fee (Endorsement Required)	1.75
Restricted Delivery Fee (Endorsement Required)	
Total	4.42

7003 3110 0004 2966 4855

Mr. John L. Farra
 Attorney at Law
 P.O. Box 817
 Ocean Shores, WA 98569

PS Form 3811, February 2004 See Reverse for Instructions

DEPARTMENT OF ECOLOGICAL SERVICES
 THWEST REGIONAL OFFICE
 OFFICE BOX 4775
 OLYMPIA, WA 98504-7775

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 		<p>A. Signature <i>X J. Farra</i> <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <input type="checkbox"/> Date of Delivery <i>J. Farra</i></p> <p>C. Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If YES, enter delivery address below:</p> <p><i>J. Farra</i></p>	
<p>1. Article Addressed to:</p> <p>Mr. John L. Farra Attorney at Law P.O. Box 817 Ocean Shores, WA 98569</p>		<p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p>	
<p>2. Article Number (Transfer from service label) <i>7003 3110 0004 2966 4855</i></p>		<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>	

JOHN L. FARRA

Attorney at Law

RECEIVED
MAR -7 12:00

PO Box 817 * 813 Point Brown Avenue NW * Ocean Shores, WA 98569
(360) 289-0918 * Fax (360) 289-5364

March 3, 2005

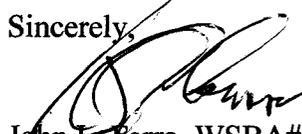
Department of Ecology
Fern A. Svendsen-Initial Site Investigator
Toxics Cleanup Program SW Regional Office
PO Box 47775
Olympia, WA 98504-7775

Re: Ejgil Ludvigsen-2723 Wishkah Rd., Aberdeen, Washington 98520

Dear Ms. Svendsen,

I received your letter dated February 16, 2005. I am the Guardian Ad Litem for Mr. Ludvigsen. The property is being cleaned up at of this time. If you have any questions please contact me.

Sincerely,



John L. Farra, WSBA#4164
Attorney at Law
JLF:jf



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

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

CERTIFIED MAIL

February 16, 2005

Mr. Ejgil Ludvigsen
P.O. Box 1892
Aberdeen, Washington 98520

Dear Mr. Ludvigsen:

RE: ERTS #546247; 2723 Wishkah Street, Aberdeen, Washington 98520

On February 10, 2005, the Washington State Department of Ecology (Ecology) received a complaint regarding 2723 Wishkah Street, Aberdeen, Washington, 98520, from a caller alleging there is oil and other fluids leaking onto the ground. I attempted unsuccessfully to contact you by telephone on February 16, 2004.

The purpose of Ecology's initial investigation is to determine whether or not a release of hazardous substances may have occurred. If I am unable to gain access to the site to conduct an initial investigation to determine whether or not a release of hazardous substances has occurred, I will recommend this property be listed on our database as a confirmed or suspected contaminated site as per WAC 173-340-310 (ii). At a later date, the site will be ranked and published on the State's Hazardous Site's List. In addition, the State of Washington Model Toxics Control Act mandates Ecology to take steps to clean up any immediate threat and to pursue cost recovery action against any party found liable for contamination.

Please contact me by March 15, 2005, at (360) 407-6246 or via e-mail at fsve461@ecy.wa.gov. Your cooperation in this matter is appreciated.

Sincerely,

Fern A. Svendsen
Initial Site Investigator
Toxics Cleanup Program
Southwest Regional Office

FAS/ksc:021705 Lt. Ludvigsen

cc: Dan Alexanian, P.G., P.Hg.



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Fern Sverdrup

Postage	\$.37
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Return Receipt Fee (Endorsement Required)	1.75
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$4.42

ARTIMENT OF ECOLOGICAL
 THWEST REGIONAL OFFICE
 T OFFICE BOX 47775
 OLYMPIA, WA 98504-7775

7003 3110 0004 2966 0062
 0003 3110 0004 4000 011E 5007

Mr. Ejgil Ludvigsen
 P.O. Box 1892
 Aberdeen, Washington 98520

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <i>[Signature]</i> <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>[Signature]</i> C. Date of Delivery <i>3/1/05</i></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If YES, enter delivery address below:</p> <p><i>Camden Ad Lita</i></p>
<p>1. Article Addressed to:</p> <p>Mr. Ejgil Ludvigsen P.O. Box 1892 Aberdeen, Washington 98520</p>	<p>3. Service Type</p> <p><input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label) <i>7003 3110 0004 2966 0062</i></p>	

ERTS # 554711

Department of Ecology - Environmental Report Tracking System

Initial Report

External Reference #

Caller Information

Where did it happen

First Middle Last
 Name CONFIDENTIAL *****
 Business Name *****
 Street Address *****
 Other Address *****
 City ABERDEEN State WA Zip
 E-mail ***** Confidential_FL
 Phone Ext Type

Business or Location Name
 Street Address 3134 WISHKAW RD
 Other Address
 City/Place ABERDEEN State WA Zip
 County - Region GRAYS HARBOR SWRO FS ID
 WIRA #
 Waterway Type
 Latitude Longitude
 Topo Quad 1:24:000
 Direction/Landmark (mile post, cross roads, township/range)

What happened

Incident Date Received Date 4/25/2006 15:19
 Medium SOIL
 Material PETROLEUM - OIL OTHER
 Quantity Unit
 Source MOTOR VEHICLE - CAR
 Cause IMPROPER PROCEDURE
 Activity STORING
 Impact SOIL CONTAMINATION
 Vessel Name Type

Primary Potentially Responsible Party Information

First Middle Last
 Name JOHN SCHOLTS
 Business Name
 Street Address 3134 WISHKAW RD
 Other Address
 City ABERDEEN State WA Zip
 Phone Ext Type
 E-mail

Additional Contact Information

Name Phone Ext Type

More Information

CALLER REPORTING NUMEROUS LEAKING HULK VEHICLES STORED NEAR A WETLAND. CALLER HAS TALKED WITH MIKE WILSON (COUNTY COMMISSIONER) AND WAS TOLD THE COUNTY HAS NOT HAD ANY LUCK IN GETTING THE OWNER TO CLEAN UP THE SITE.
 CALLER IS CONCERNED ABOUT THE FLUIDS GETTING INTO THE WETLAND.

Entry Person TOPE, BARB

Entry Date 4/25/2006

ERTS # 554711

Referral

<p>Referral Method</p> <p><input type="radio"/> E-mail ERTS number</p> <p><input type="radio"/> E-mail attachment</p> <p><input type="radio"/> Print</p> <p><input checked="" type="radio"/> Telephone</p>	<p>Person Referred to SVENDSEN, FERN</p> <p>Phone (360) 407-6246 Fax</p> <p>E-mail fsve461@ecy.wa.gov</p> <p>Program/Organization TOXICS CLEANUP</p> <p>Address</p> <p>City WA</p> <p>Region/Location swro</p> <p>Referral Date 4/25/2006</p>	<p>Referral # 89293</p> <p>Primary <input type="checkbox"/></p>
<p>Referral Method</p> <p><input type="radio"/> E-mail ERTS number</p> <p><input type="radio"/> E-mail attachment</p> <p><input checked="" type="radio"/> Print</p> <p><input type="radio"/> Telephone</p>	<p>Person Referred to GRAYS HARBOR HEALTH DEPT,</p> <p>Phone 360-249-4413 Fax 360-249-3203</p> <p>E-mail ehd@co.grays-harbor.wa.us</p> <p>Program/Organization GRAYS HARBOR COUNTY</p> <p>Address</p> <p>City</p> <p>Region/Location ENVIRONMENTAL HEALTH</p> <p>Referral Date 4/25/2006</p>	<p>Referral # 89294</p> <p>Primary <input type="checkbox"/></p>

ERTS # 554711

Followup

<p>Inspector Information</p> <p>Referral # 89294</p> <p>Lead Inspector GRAYS HARBOR HEALTH DEPT, Program/Organization GRAYS HARBOR COUNTY</p> <p>* Region/Location ENVIRONMENTAL HEALTH</p> <p># of Ecology Staff Overtime <input type="checkbox"/></p>		<p>Where did it happen</p> <p>Business or Location Name Street Address 3134 WISHKAW RD Other Address</p> <p>City/Place ABERDEEN State WA Zip County GRAYS HA Region SWRO FS ID</p>	
<p>Action</p> <p>E-MAIL Start Date 5/4/2006 End Date 5/4/2006 Waterway Type</p>		<p>WRIA # Latitude 47.00861 Longitude 123.81306 Lat/Long Method Topo Quad 1:24,000</p>	
<p>What happened</p> <p>Incident Date Hazardous <input type="checkbox"/></p> <p>Medium SOIL Material PETROLEUM - OIL OTHER Quantity <input type="checkbox"/> Estimated</p> <p>Source MOTOR VEHICLE - CAR Cause IMPROPER PROCEDURE Activity STORING Impact SOIL CONTAMINATION Vessel</p>		<p>Potentially Responsible Party Information</p> <p>Check if the primary PRP provided notice to Ecology <input type="checkbox"/></p> <p>Primary <input checked="" type="checkbox"/> First Middle Last Name JOHN SCHOLTS Business Name Street Address 3134 WISHKAW RD Other Address City ABERDEEN State WA Zip Phone Ext Type E-mail</p>	
<p>Narrative</p> <p>Staff has been here in Aug. 05 and May 06. Solid waste has been removed. No leaking vehicles were found.</p>			
		<p>Entry Person: TOPE, BARB Entry Date 5/4/2006</p>	
<p>Inspector Information</p> <p>Referral # 89293</p> <p>Lead Inspector SVENDSEN, FERN Program/Organization TOXICS CLEANUP</p> <p>* Region/Location swro</p> <p># of Ecology Staff 1 Overtime <input type="checkbox"/></p>		<p>Where did it happen</p> <p>Business or Location Name Street Address 3134 WISHKAW RD Other Address</p> <p>City/Place ABERDEEN State WA Zip 98520- County GRAYS HA Region SWRO FS ID</p>	
<p>Action</p> <p>FIELD RESPONSE - INVESTIGATION Start Date 6/22/2006 End Date 6/22/2006 Waterway Type</p> <p>TCP - NFA 7/5/2006 7/5/2006 Latitude Longitude</p>			

ERTS # 554711

What happened		Lat/Long Method	
Incident Date	Hazardous <input type="checkbox"/>	Topo Quad 1:24,000	
<u>Medium</u>		Potentially Responsible Party Information	
SOIL		Check if the primary PRP provided notice to Ecology <input type="checkbox"/>	
<u>Material</u>		Primary <input checked="" type="checkbox"/>	First Middle Last
PETROLEUM - OIL OTHER		Name JOHN SCHOLTS	
Quantity	<input type="checkbox"/> Estimated	Business Name	
<u>Source</u>		Street Address 3134 WISHKAW RD	
MOTOR VEHICLE - CAR		Other Address	
<u>Cause</u>		City ABERDEEN	State WA Zip 98520-
IMPROPER PROCEDURE		Phone (360) 538-1587	Ext Type Home
<u>Activity</u>		E-mail	
STORING			
<u>Impact</u>			
SOIL CONTAMINATION			
<u>Vessel</u>			
Narrative			
COMPLAINT (Brief Summary of ERTS): Potentially contaminated soil.			
SITE STATUS (Brief Summary of site condition(s) after investigation): On June 22, 2006, Ecology conducted an initial investigation. No soil/water samples were collected. No petroleum odors, or surface staining was observed. This site does not warrant listing on the database as a confirmed or suspected contaminated site.			
Investigator: Fern A. Svendsen	Date Submitted: 7/5/06		
OBSERVATIONS Description:			
On April 25, 2006, (Ecology) received a complaint regarding 3134 Wishkah Road, Aberdeen from a caller who alleged automotive fluids were leaking onto the ground on the property. I attempted unsuccessfully to contact John Schultz by telephone and left my professional card in his mailbox. Mort Gould, Grays Harbor County, assisted in setting up a meeting with Mr. Schultz, the property owner. Mr. Schultz gave me permission to conduct an initial investigation on his property on June 22, 2006. During the inspection, I noted scrap metal, boat, and miscellaneous debris around the yard. I observed no dark surface staining. I detected no unusual odors around the yard. No soil/water samples were collected. Photos were taken. Mr. Gould also informed me Mr. Schultz has been working very cooperatively with the county in removing solid waste material from the property. This site does not warrant listing on our database as a confirmed or suspected contaminated site. Should new information be revealed, I will re-evaluate my decision.			
Entry Person: TOPE, BARB		Entry Date 9/7/2006	

INITIAL INVESTIGATION CLOSE-OUT ROUTER

ERTS # 554711 Site Name John Schultz

1 Recommended Action: Circle the appropriate categories.

NFA

Listing on SIS

High Priority SHA

Initial Investigator:

[Signature]

2 Unit Supervisor:

CM

3 Final Action: Circle the appropriate categories.

NFA

Listing on SIS

High Priority SHA

Section Manager:

[Signature]

NFAs go Directly to the Incident Tracker, and Then the File Room; Others Follow the Process Below

4 Entered on SIS:

Date: _____

SIS Site Number: _____

Facility Site Numbers

Lat 47.00861
Long 123.81306

Date Early Notice Letter Sent: _____

FS/SIS Coordinator: _____

5 Incident Tracker:

[Signature]

Date: 12 SEP 06

6 File Room:

County: _____

File Type: _____



INITIAL INVESTIGATION FIELD REPORT

ERTS Number: 554711
Parcel #: 1280933210010
COUNTY: Grays Harbor

SITE INFORMATION

Site Name (e.g., Co. name over door): John J. Schultz	Site Address (including City and Zip+4): 3134 Wishkah Road, Aberdeen, Washington 98520	Site Phone: 360-538-1587
Site Contact and Title:	Site Contact Address (including City and Zip+4):	Site Contact Phone:
Site Owner: John J. Schultz	Site Owner Address (including City and Zip+4): 3134 Wishkah Road, Aberdeen, Washington 98520	Site Owner Phone: 360-538-1587
Site Owner Contact:	Site Owner Contact Address (including City and Zip+4):	Owner Contact Phone:
Alternate Site Name(s):	Comments:	Is property > 10 acres? Yes No X
Previous Site Owner(s):	Comments:	

Location: Quarter-Quarter: _____ Section: 33 Township: 18R Range: 9
Latitude: Degrees: N47 Minutes: 00 Seconds: 31
Longitude: Degrees: W123 Minutes 48 Seconds: 47

INSPECTION INFORMATION

Inspection Date: June 22, 2006	Inspection Time: 10:30 a.m.	Entry Notice: Announced <input type="checkbox"/> Unannounced No Visit
Photographs Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Weather: Clear <input checked="" type="checkbox"/> Rain <input type="checkbox"/> Temperature: _____ °F	
Samples Yes <input type="checkbox"/> No X	Wind Direction:	Wind Speed:

RECOMMENDATION

No Further Action (Indicate NFA in box below):	LIST on ISIS (Indicate in box below):
Release or threatened release does not pose a threat <input checked="" type="checkbox"/>	Site Hazard Assessment <input type="checkbox"/>
No release or threatened release <input type="checkbox"/>	Interim Action <input type="checkbox"/>
Educational mailing <input type="checkbox"/>	Emergency Action <input type="checkbox"/>
Refer to program/agency (Name: _____) <input type="checkbox"/>	Independent Cleanup Action In progress <input type="checkbox"/>
Independent Cleanup Action Completed (i.e., contam, removed) <input type="checkbox"/>	

COMPLAINT (Brief Summary of ERTS):

Potentially contaminated soil.

SITE STATUS (Brief Summary of site condition after investigation):

On June 22, 2006, Ecology conducted an initial investigation. No soil/water samples were collected. No petroleum odors, or surface staining was observed. This site does not warrant listing on the database as a confirmed or suspected contaminated site.

Investigator: Fern A. Svendsen	Date Submitted: 7/5/06
------------------------------------------	----------------------------------

OBSERVATIONS

Description:

On April 25, 2006, (Ecology) received a complaint regarding 3134 Wishkah Road, Aberdeen from a caller who alleged automotive fluids were leaking onto the ground on the property. I attempted unsuccessfully to contact John Schultz by telephone and left my professional card in his mailbox. Mort Gould, Grays Harbor County, assisted in setting up a meeting with Mr. Schultz, the property owner. Mr. Schultz gave me permission to conduct an initial investigation on his property on June 22, 2006. During the inspection, I noted scrap metal, boat, and miscellaneous debris around the yard. I observed no dark surface staining. I detected no unusual odors around the yard. No soil/water samples were collected. Photos were taken. Mr. Gould also informed me Mr. Schultz has been working very cooperatively with the county in removing solid waste material from the property. This site does not warrant listing on our database as a confirmed or suspected contaminated site. Should new information be revealed, I will re-evaluate my decision.

Description of past practices likely to be responsible for contamination:

ACTIVITIES OR PRACTICES RESPONSIBLE FOR CONTAMINATION:

Spill	<input type="checkbox"/>	LUST	<input type="checkbox"/>
Pesticide disposal	<input type="checkbox"/>	Tank	<input type="checkbox"/>
Landfill	<input type="checkbox"/>	Improper handling	<input type="checkbox"/>
Drums	<input type="checkbox"/>	Improper disposal	<input type="checkbox"/>
Other – Describe:			

Are discharges permitted (if yes, describe): No <input checked="" type="checkbox"/> Yes <input type="checkbox"/>	Standard Industrial Code(s)
------------------------------------------------------------------------------------------------------------------	-----------------------------

CONTAMINANT(S)

AFFECTED MEDIA	CONTAMINANTS (#1-16: See contaminants key) Enter letter designating status of contaminant: C = Confirmed (above cleanup levels); S = Suspected; R= Remediated															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Ground Water																
Surface Water																
Drinking Water																
Soil																
Sediment																
Air																
1 Base/neutral organics	7 Petroleum products					13 Corrosive wastes										

2 Halogenated organic compounds	Inorganic compounds	14 Reactive wastes
3 Metals - Priority pollutants	9 Non-halogenated solvents	15 Conventional contaminants, organic
4 Metals - Other	10 Dioxin	16 Conventional contaminants, inorganic
5 Polychlorinated biPhenyls (PCBs)	11 Polynuclear aromatic hydrocarbons (PAHs)	
6 Pesticides	12 Reactive wastes	

SITE INFORMATION

Soil type	Loam/sandy	Slope	
Site vegetation/cover present:		Pasture/open field	<input type="checkbox"/>
Forest	<input type="checkbox"/>	Wetlands	<input type="checkbox"/>
Bare soil	<input type="checkbox"/>	Pavement	<input type="checkbox"/>
Brush	<input type="checkbox"/>	Surface water	<input type="checkbox"/>
Landscaped	<input type="checkbox"/>		
Other – Describe:			

Are there any drinking water systems affected? Yes No

Municipal, private, or both? (Circle one)

How many people are estimated to be affected? _____

Is there a potential for a release or threatened release to affect a drinking water source? Yes No

Are there monitoring wells in the vicinity? Yes No

Are there dry wells in the vicinity? Yes No

CONTAMINANT PATHWAYS AND TARGETS

	Ingestion	Inhalation	Contact
Ground Water			
Surface Water			
Drinking Water			
Soil			
Sediment			
Air			
Targets possible:		Residential	<input type="checkbox"/>
Human, adult	<input type="checkbox"/>	Industrial	<input type="checkbox"/>
Human, children	<input type="checkbox"/>	Commercial	<input type="checkbox"/>

Sensitive environments (See WARM Scoring Manual for definition):

Yes No If yes, describe:

Wetland/river

General Comments:

SITE MAP/DIAGRAM

John J. Schultz

No soil samples collected.



Approximate scale: _____ inch = _____ feet

ERTS Number 554711

County Grays Harbor

7/5/06

Svendsen, Fern

From: Tope, Barb (ECY)
Sent: Thursday, May 04, 2006 9:38 AM
To: Svendsen, Fern
Subject: FW: erts #554711

Good Morning Fern!

I received this email this morning from Grays Harbor Env Health. The results have been put into ERTS.
Barb T

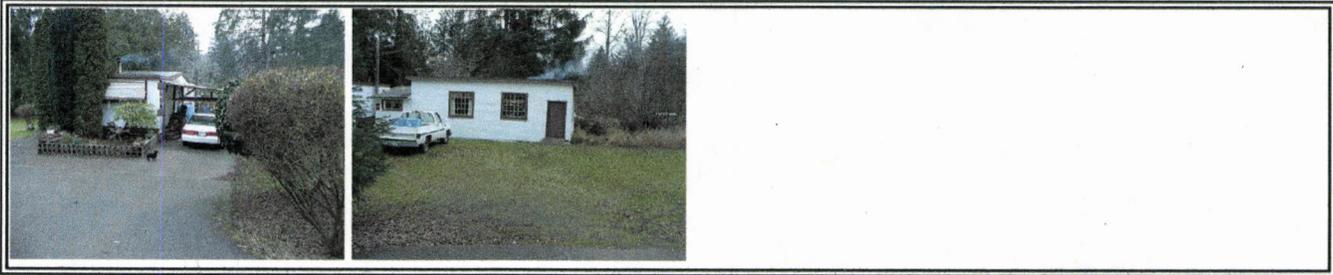
-----Original Message-----

From: Doug George [mailto:dgeorge@co.grays-harbor.wa.us]
Sent: Thursday, May 04, 2006 9:32 AM
To: Tope, Barb (ECY)
Subject: erts #554711

Staff has been here in Aug. 05 and May 06. Solid waste has been removed. No leaking vehicles were found.



Grays Harbor County Assessor's Office Online Parcel Database Assessment Information



[Show Map](#)

Parcel 180933210010



Situs Address 03134 WISHKAH RD ABER

Legal Description LOT 1 LS PTN PLTD LS RD LS TAX 9 & LOT 3

Owner SCHULTZ JOHN J
Address 3134 WISHKAH RD
ABERDEEN, WA 98520

File Updated 5/4/2006 11:50
Location T 18 R 09 Sec 33
Valuation Year 2005

Land	Building	Certified Value
\$2,500.00	\$19,825.00	\$22,325.00

Year Built 1968
Building Type MOBILE
Style 1-STORY
Quality FAIR

Tax Code 005F10
School District [005](#)
Voting Precinct [014](#) Coats Landing
Total Acres 27.51
Fire Patrol Acres 27

[\(pdf\)](#) **Land Use** 88- Designated Forest Land RCW 84.33

	Square Feet	Type
Lot	0	
Building SF	672	
Basement SF	0	
Finished Basement SF	0	
Foundation	C/C BLOCK	
Porch 1 SF	0	0
Porch 2 SF	0	0
Garage 1 SF	0	0
Garage 2 SF	0	0
Carport SF	209	Fair Carport

Lump Sum - Additional Buildings and Improvements

Lump Sum #1 SH \$6,912
Lump Sum #2 MA \$10,000

[Lump Sum Codes?](#)

<u>Date Of Sale</u>	<u>Excise No</u>	<u>Price</u>	<u>Instr.</u>	<u>Type</u>
10/1/2002	E158479	\$65,000.00	WD	T

[Home](#) | [Assessor](#) | [Treasurer](#) | [Assessment Parcel Search Form](#) | [Tax Information](#) | [Feedback](#)

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APPENDIX E

Historical Aerial Photographs

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Wishkah Road

Wishkah Road

Aberdeen, WA 98520

Inquiry Number: 3837327.8

January 23, 2014

The EDR Aerial Photo Decade Package

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

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Date EDR Searched Historical Sources:

Aerial Photography January 23, 2014

Target Property:

Wishkah Road

Aberdeen, WA 98520

<u><i>Year</i></u>	<u><i>Scale</i></u>	<u><i>Details</i></u>	<u><i>Source</i></u>
1953	Aerial Photograph. Scale: 1"=750'	Panel #: 47123-A7, Aberdeen Gardens, WA;/Flight Date: August 13, 1953	EDR
1971	Aerial Photograph. Scale: 1"=500'	Panel #: 47123-A7, Aberdeen Gardens, WA;/Flight Date: January 01, 1971	EDR
1981	Aerial Photograph. Scale: 1"=1000'	Panel #: 47123-A7, Aberdeen Gardens, WA;/Flight Date: August 09, 1981	EDR
1985	Aerial Photograph. Scale: 1"=500'	Panel #: 47123-A7, Aberdeen Gardens, WA;/Flight Date: August 23, 1985	EDR
1990	Aerial Photograph. Scale: 1"=500'	Panel #: 47123-A7, Aberdeen Gardens, WA;/DOQQ - acquisition dates: July 10, 1990	EDR
1992	Aerial Photograph. Scale: 1"=500'	Panel #: 47123-A7, Aberdeen Gardens, WA;/Flight Date: June 18, 1992	EDR
1994	Aerial Photograph. Scale: 1"=500'	Panel #: 47123-A7, Aberdeen Gardens, WA;/Flight Date: January 01, 1994	EDR
2005	Aerial Photograph. Scale: 1"=500'	Panel #: 47123-A7, Aberdeen Gardens, WA;/Flight Year: 2005	EDR
2006	Aerial Photograph. Scale: 1"=500'	Panel #: 47123-A7, Aberdeen Gardens, WA;/Flight Year: 2006	EDR
2009	Aerial Photograph. Scale: 1"=500'	Panel #: 47123-A7, Aberdeen Gardens, WA;/Flight Year: 2009	EDR
2011	Aerial Photograph. Scale: 1"=500'	Panel #: 47123-A7, Aberdeen Gardens, WA;/Flight Year: 2011	EDR



INQUIRY #: 3837327.8

YEAR: 1953

| = 750'





INQUIRY #: 3837327.8

YEAR: 1971

| = 500'





1

4622



INQUIRY #: 3837327.8

YEAR: 1981

| = 1000'





INQUIRY #: 3837327.8

YEAR: 1985

 = 500'





INQUIRY #: 3837327.8

YEAR: 1990

| = 500'





INQUIRY #: 3837327.8

YEAR: 1992

| = 500'





INQUIRY #: 3837327.8
YEAR: 1994
|-----| = 500'





INQUIRY #: 3837327.8

YEAR: 2005

 = 500'





INQUIRY #: 3837327.8

YEAR: 2006

 = 500'





INQUIRY #: 3837327.8

YEAR: 2009

| = 500'





INQUIRY #: 3837327.8

YEAR: 2011

| = 500'



APPENDIX F

Historical Topographic Maps

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Wishkah Road

Wishkah Road

Aberdeen, WA 98520

Inquiry Number: 3837327.4

January 22, 2014

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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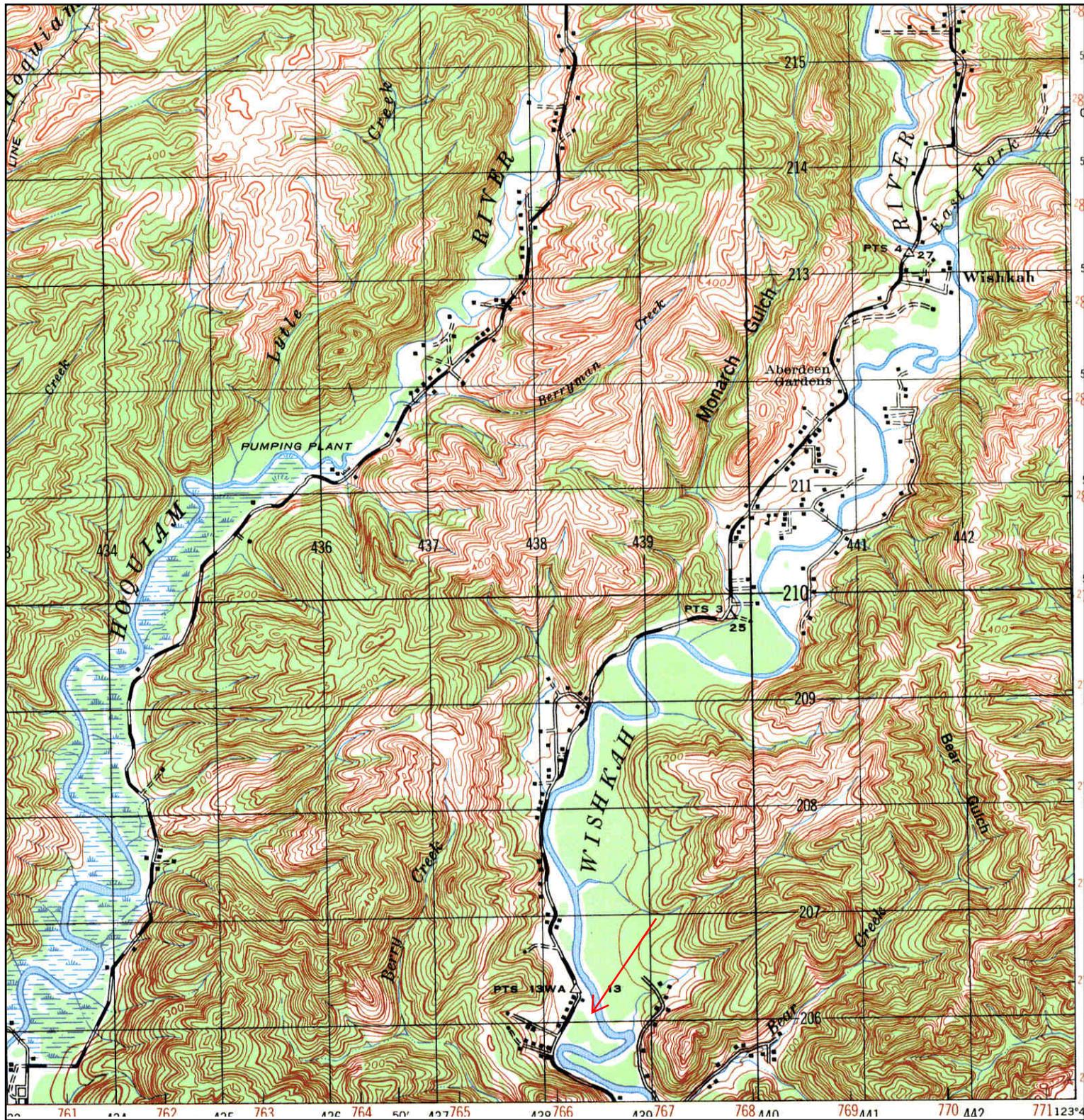
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Historical Topographic Map



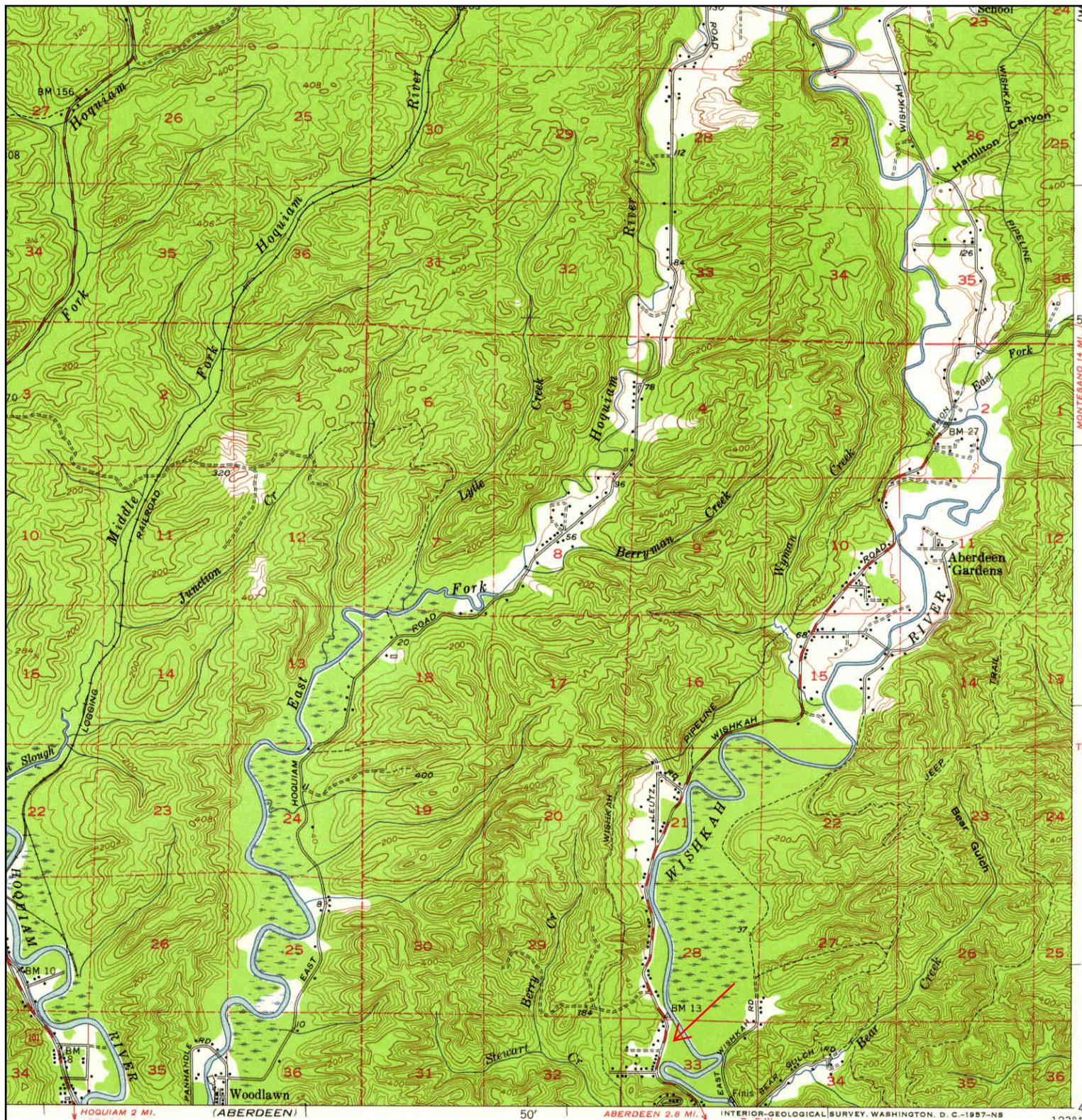
	TARGET QUAD NAME: HOQUIAM MAP YEAR: 1915	SITE NAME: Wishkah Road ADDRESS: Wishkah Road Aberdeen, WA 98520 LAT/LONG: 47.0056 / -123.8117	CLIENT: AMEC Environment & Infrastructure, Inc. CONTACT: Tyler Henningsen INQUIRY#: 3837327.4 RESEARCH DATE: 01/22/2014
	SERIES: 15 SCALE: 1:62500		

Historical Topographic Map



 <p>N</p>	TARGET QUAD	SITE NAME: Wishkah Road	CLIENT: AMEC Environment & Infrastructure, Inc.
	NAME: HUMPTULIPS	ADDRESS: Wishkah Road	CONTACT: Tyler Henningsen
	MAP YEAR: 1942	LAT/LONG: 47.0056 / -123.8117	INQUIRY#: 3837327.4
	SERIES: 15		RESEARCH DATE: 01/22/2014
	SCALE: 1:62500		

Historical Topographic Map



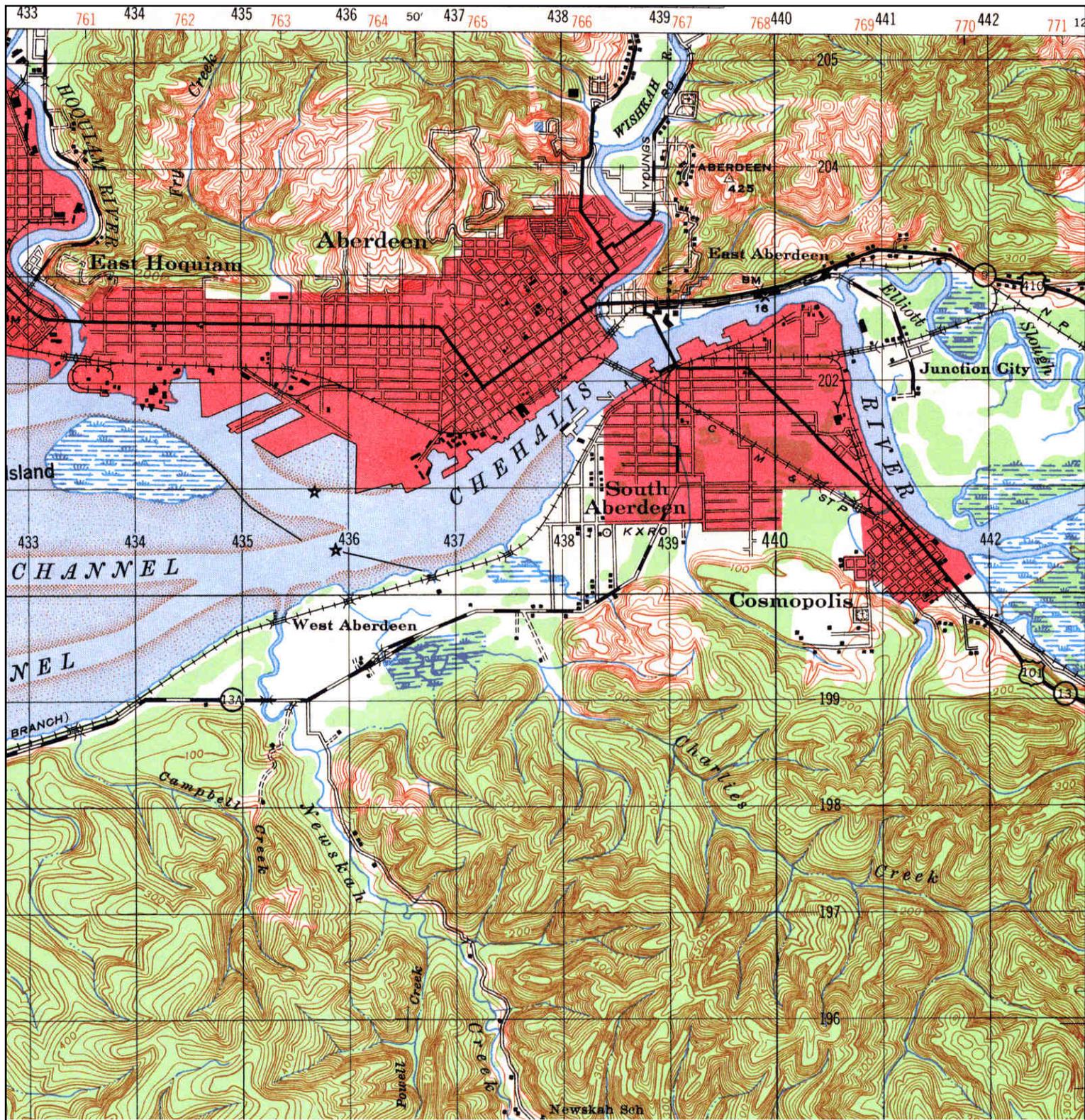
	TARGET QUAD NAME: HUMPTULIPS MAP YEAR: 1955	SITE NAME: Wishkah Road ADDRESS: Wishkah Road Aberdeen, WA 98520 LAT/LONG: 47.0056 / -123.8117	CLIENT: AMEC Environment & Infrastructure, Inc. CONTACT: Tyler Henningsen INQUIRY#: 3837327.4 RESEARCH DATE: 01/22/2014
	SERIES: 15 SCALE: 1:62500		

Historical Topographic Map



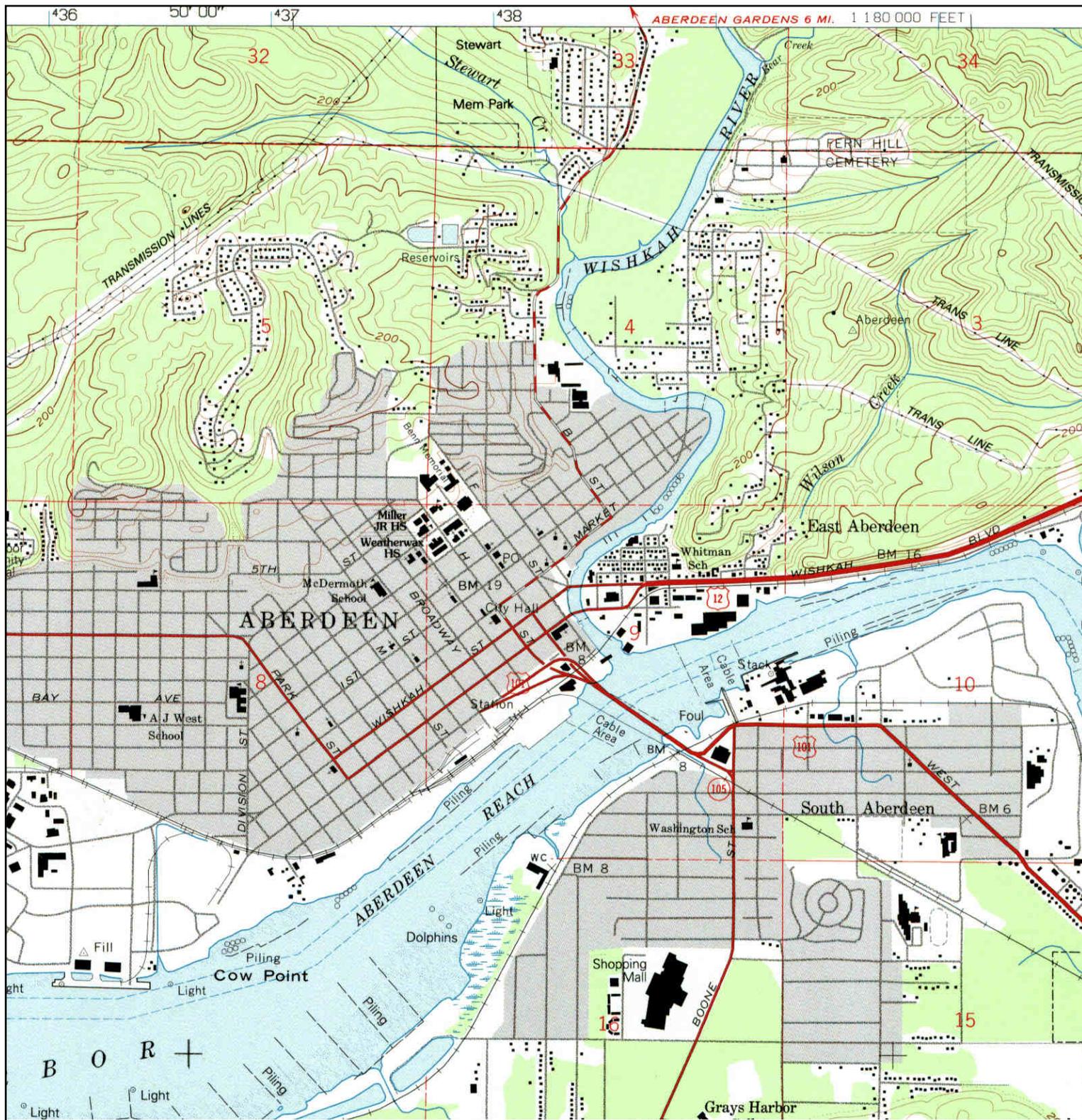
	TARGET QUAD	SITE NAME: Wishkah Road	CLIENT: AMEC Environment & Infrastructure, Inc.
	NAME: ABERDEEN GARDENS	ADDRESS: Wishkah Road	
	MAP YEAR: 1990	Aberdeen, WA 98520	CONTACT: Tyler Henningsen
	PROVISIONAL	LAT/LONG: 47.0056 / -123.8117	INQUIRY#: 3837327.4
	SERIES: 7.5		RESEARCH DATE: 01/22/2014
	SCALE: 1:24000		

Historical Topographic Map



	ADJOINING QUAD		
	NAME:	ABERDEEN	SITE NAME: Wishkah Road
	MAP YEAR:	1942	ADDRESS: Wishkah Road Aberdeen, WA 98520
	SERIES:	15	LAT/LONG: 47.0056 / -123.8117
	SCALE:	1:50000	CLIENT: AMEC Environment & Infrastructure, Inc.
		CONTACT: Tyler Henningsen	CLIENT: AMEC Environment & Infrastructure, Inc.
		INQUIRY#: 3837327.4	CONTACT: Tyler Henningsen
		RESEARCH DATE: 01/22/2014	INQUIRY#: 3837327.4

Historical Topographic Map



<p>N</p> 	ADJOINING QUAD	SITE NAME: Wishkah Road	CLIENT: AMEC Environment & Infrastructure, Inc.
	NAME: ABERDEEN	ADDRESS: Wishkah Road	CONTACT: Tyler Henningsen
	MAP YEAR: 1994	ADDRESS: Aberdeen, WA 98520	INQUIRY#: 3837327.4
	REVISED FROM :1957	LAT/LONG: 47.0056 / -123.8117	RESEARCH DATE: 01/22/2014
	SERIES: 7.5		
	SCALE: 1:24000		

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APPENDIX G

City Directory Abstract

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Wishkah Road

Wishkah Road
Aberdeen, WA 98520

Inquiry Number: 3837327.5
January 31, 2014

The EDR-City Directory Image Report

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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

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2013	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
2008	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
2003	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information Services
1999	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information Services
1994	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1989	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1984	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1979	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1973	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1968	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1963	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1956	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory

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FINDINGS

TARGET PROPERTY STREET

Wishkah Road
Aberdeen, WA 98520

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

WISHKAH RD

2013	pg A1	Cole Information Services
2008	pg A3	Cole Information Services
2003	pg A5	Cole Information Services
1999	pg A8	Cole Information Services
1994	pg A10	Polk's City Directory
1994	pg A11	Polk's City Directory
1989	pg A12	Polk's City Directory
1984	pg A13	Polk's City Directory
1984	pg A14	Polk's City Directory
1979	pg A15	Polk's City Directory
1979	pg A16	Polk's City Directory
1973	pg A17	Polk's City Directory
1973	pg A18	Polk's City Directory
1968	pg A19	Polk's City Directory
1963	pg A20	Polk's City Directory
1956	pg A21	Polk's City Directory
1956	pg A22	Polk's City Directory

FINDINGS

CROSS STREETS

<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
<u>FROSTY RD</u>			
2013	-	Cole Information Services	Target and Adjoining not listed in Source
2008	-	Cole Information Services	Target and Adjoining not listed in Source
2003	pg. A7	Cole Information Services	
1999	pg. A9	Cole Information Services	
1994	-	Polk's City Directory	Street not listed in Source
1989	-	Polk's City Directory	Street not listed in Source
1984	-	Polk's City Directory	Street not listed in Source
1979	-	Polk's City Directory	Street not listed in Source
1973	-	Polk's City Directory	Street not listed in Source
1968	-	Polk's City Directory	Street not listed in Source
1963	-	Polk's City Directory	Street not listed in Source
1956	-	Polk's City Directory	Street not listed in Source

City Directory Images

WISHKAH RD 2013

2704 OCCUPANT UNKNOWN
2716 MARK ARNOLD
2725 CHRISTIAN CALLES
2728 MARK RANDICH
2735 OCCUPANT UNKNOWN
2741 DUANE DARST
2743 JESSICA WIRKKALA
2750 BERRY KRAUTH
2756 OCCUPANT UNKNOWN
2801 OCCUPANT UNKNOWN
2809 ARNOLD TOWNSEND
2815 DANIEL RUPP
2818 OCCUPANT UNKNOWN
2823 GREGORY SHIELDS
2824 DENNIS BROTEN
2828 FRANK BARETICH
2833 OCCUPANT UNKNOWN
2843 ROSEMARIE IRWIN
2851 EDWARD SPAUR
2852 SHAUGHN STRENCH
2861 ANTHONY STRICEVICH
2939 OCCUPANT UNKNOWN
3001 OCCUPANT UNKNOWN
3003 MICHAEL ZAWISLAK
3009 DICK BAKER
3011 TOM WRIGHT
3015 OCCUPANT UNKNOWN
3021 OCCUPANT UNKNOWN
3022 OCCUPANT UNKNOWN
3117 CHARLES MONDY
3123 JOHN HALL
3129 ROBERT ELLIOT
3133 FRANK KERSH
3134 JOHN SCHULTZ
3170 OCCUPANT UNKNOWN
3174 THOMAS MAYR
3189 OCCUPANT UNKNOWN
3196 OCCUPANT UNKNOWN
3200 MICHAEL ENOCH
3203 WILLIAM LOCKMAN
3204 JOHN WRIGHT
3205 JAMES CAROSSINO
3227 LEONARD TRAVESS
3231 OCCUPANT UNKNOWN
3232 OCCUPANT UNKNOWN
3235 REUBEN PRUETT
3239 PATTIE PRUETT
3249 DAVID PRUETT
3257 OCCUPANT UNKNOWN
3267 GEORGE ZINK

WISHKAH RD 2013 (Cont'd)

3271	JOE THEIN
3277	DARRELL KASSENS
3309	DIANE ELLISON
3321	RUDY SMITH
3343	DENNIS COLWELL
3353	KEITH FOUTS
3377	PAUL LESMAN
3381	KENNETH ROTHS
3383	OCCUPANT UNKNOWN
3387	THEODORE TWIGG
3402	JOSHUA CONRAD
3403	JOHN STOPSEN
3419	OCCUPANT UNKNOWN

WISHKAH RD 2008

2711 GERALD KRULICH
 2716 MARK ARNOLD
 2728 MARK RANDICH
 2735 JOAN BENNETT
 2741 SAMUEL SINDELAR
 2743 ANTHONY JOHNSON
 2750 BERRY KRAUTH
 2756 SCOTT HELLER
 2809 ARNOLD TOWNSEND
 2815 DANIEL RUPP
 2818 SUSAN TIMMONS
 2823 JEFF SEGUIN
 2824 DENNIS BROTEN
 2828 FRANK BARETICH
 2843 ROSEMARIE IRWIN
 2851 EDWARD SPAUR
 2852 SHAUGHN STRENCH
 2861 ANTHONY STRICEVICH
 3001 ANGEL DAMASIEWICZ
 3003 MICHAEL ZAWISLAK
 3009 DICK BAKER
 3011 JOHN WRIGHT
 3015 JERRY NELSON
 3021 ROSANNA BONNELL
 3117 CHARLES MONDY
 3123 ARTHUR HALL
 3129 CARLA FOSHAUG
 3133 FRANK KERSH
 3134 JOHN SCHULTZ
 3174 THOMAS MAYR
 3189 CHARLES HUBBARD
 3196 STEVE NELSON
 3200 MICHAEL ENOCH
 3204 JOHN WRIGHT
 WRIGHT CONSULTING
 3205 JAMES CAROSSINO
 3227 LEONARD TRAVESS
 3232 JANE PRUETT
 3239 ARNIE PRUETT
 3249 DAVID PRUETT
 3257 TONI MENEELY
 3267 GEORGE ZINK
 3271 JOSEPH THEIN
 3277 DARRELL KASSENS
 3307 TED TWISS
 3309 DIANE ELLISON
 3321 RUDY SMITH
 3343 DENNIS COLWELL
 3353 KEITH FOUTS
 3377 PAUL LESMAN

Target Street

Cross Street

Source

✓

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Cole Information Services

WISHKAH RD 2008 (Cont'd)

3381 KENNETH ROTHES
3383 MIKE TOY
3402 MARANDA MCCALL
3403 JOHN STOPSEN
3419 RICHARD BATES

WISHKAH RD 2003

2704 ROBERT HUMBERG
 2711 GERALD KRULICH
 2716 MARK ARNOLD
 2723 EJGIL LUDVIGSEN
 2728 MARK RANDICH
 2741 GEORGE SINDELAR
 2743 JONATHAN MARKS
 2750 BERRY KRAUTH
 2756 JAIME BOMMERSCHIEM
 2801 ALAN BICKAR
 2809 DELIGHT TOWNSEND
 2815 DANIEL RUPP
 2818 SUSAN TIMMONS
 2823 JEFF SEGUIN
 2824 ROCKY WESTBY
 2828 CATHERINE YATES
 2833 NANCY BURDICK
 2861 ANTHONY STRICEVICH
 2939 CARL KELLOGG
 3001 TARA FREEMAN
 3003 MICHAEL ZAWISLAK
 PHYLLIS J ZAWISLAK
 3117 CHARLES MONDY
 3123 ARTHUR HALL
 3129 CURTIS FOSHAUG
 FOSHAUG C
 3133 FRANK KERSH
 3134 JOHN SCHULTZ
 3170 MARZELL MAYR
 3174 THOMAS MAYR
 3189 JERRY HUBBARD
 3196 STEVE NELSON
 3200 MICHAEL ENOCH
 3204 JOHN WRIGHT
 3205 JAMES CAROSSINO
 3227 LEONARD TRAVESS
 3231 ROXANNE PRUETT
 3232 PATTIE PRUETT
 3239 JANE PRUETT
 3249 VALERIE PRUETT
 3257 TONI MENEELY
 3271 JOSEPH THEIN
 3277 DARRELL KASSENS
 3309 DIANE ELLISON
 3321 RUDY SMITH
 3377 PAUL LESMAN
 3381 KENNETH ROTHS
 3383 MIKE TOY
 3387 ROBEN STREET
 3402 GARY ROSI

Target Street

Cross Street

Source

✓

-

Cole Information Services

WISHKAH RD 2003 (Cont'd)

3403 JOHN STOPSEN
3425 RICHARD BOMHOFF

FROSTY RD 2003

- 30 KARNA GRENON
- 31 ROBERT LEE
- 32 RANDY HENSLEY
- 34 JOSEPH MACIEL
- 35 HENSLEYS MOBILE WELDING
- WAYNE HENSLEY
- 36 CAROL LEIGHTY

WISHKAH RD 1999

2704 ROBERT HUMBERG
2711 GERALD KRULICH
2716 MARK ARNOLD
2728 MARK RANDICH
2735 RANDY BODEN
2815 DANIEL RUPP
2818 SUSAN TIMMONS
2823 JAMIE MOODENBAUGH
2828 JOHN BARETICH
2852 JOSEPH MILLER
2861 ANTHONY STRICEVICH
2939 CARL KELLOGG
3001 SAMUEL WABER
3003 MICHAEL ZAWISLAK
3009 DAVID PEARCE
3011 JOHN WRIGHT
3015 JERRY NELSON
3117 CHARLES MONDY
3123 ARTHUR HALL
3125 RONALD LARSON
3129 CURTIS FOSHAUG
3133 FRANK KERSH
3134 SHELBA WALLAERT
3174 THOMAS MAYR
3189 CHARLES HUBBARD
3196 STEVE NELSON
3200 MICHAEL ENOCH
3209 JAMES CAROSSINO
3231 RANDY PRUETT
3257 DONNA THORNE
3271 JOSEPH THEIN
3277 DARRELL KASSENS
DONALD STONE
3309 DIANE ELLISON
3321 TROY TOSLAND
3343 MICHAEL WALCZYK
3353 PEGGY FOUTS
3377 PAUL LESMAN
3381 KENNETH ROTHS
3383 MIKE TOY
3387 T TWIGG
3402 WILLIAM HULBERT
3403 JOHN STOPSEN
3419 JEFF SEGUIN

FROSTY RD 1999

- 31 ROBERT LEE
- 32 RANDY HENSLEY
- 35 WAYNE HENSLEY
- 36 C LEIGHTY

WISHKAH RD 1994

17

18

**WISHKAH RD -FROM 2200 NORTH B ST
NORTHEAST**

- ZIP CODE 98520
- NORTH B ST INTERSECTS

2314 Not Verified

2316★Williams Kevin ● 533-6711

2322 Little Donald S [9] + ● 532-4584

2330★Craig Dan T

- PERSHING ST INTERSECTS
- BENCH DR INTERSECTS

2606 Not Verified

19 2608 Brevard Ron J & Rosie [6] ● 533-5089

2624 Smith Alma A [9] + ● 532-8828

2630 Not Verified

2640 Pigott Nancy [9] + 532-9341

Pigott Martha L 532-9341

1 2640 Pigott Martha J 532-9341

2648 Davies Barbara [7] ● 532-8416

Irwin Geo 532-8416

2650 STORAGE

- OLYMPIC VIEW WAY INTERSECTS

2703 King Lert P [9] + ●

2704 Humberg Robt & Geneva N [9] + ●
533-1797

2711★Klulich Thom A

2716 Not Verified

2723 Ludvigsen E [3] ●

2725 Not Verified

2728 Randich Mark [5] 538-0741

2735-2741 Not Verified (2 Hses)

2743 Bickar Cindy L [9] + ●

WISHKAH RD 1994

WISHKAH RD-Contd

2750 Vacant

2756 Le Mire Rosanna M [9]+ ● 532-3205

2760 UTILITY SUB-STA

2801 Holland Zeal B [9]+ ● 533-2998

2809 Townsend Arnold E & Delight L [9]+ ●

2814-2816 Not Verified (3 Hses)

2818 Timmons Susan J [7] ● 533-6599

2823 Not Verified

2824 Turner James A [9]+ ● 532-8566

2828 Baretich Cynthia M [9]+ ● 532-6879

Baretich Frank S 532-6879

2833 Burdick Nancy S [3] ●

2843 Westby Rocky [4] ● 533-3825

2851 Not Verified

2852 Miller Joe F & Alice J [9]+ ● 533-6484

2861★Stricevich Lu Ann E

32 HOUSEHOLDS

6

**WISHKAH ST E -FROM 200 S
BROADWAY ST EAST**

• ZIP CODE 98520

- S BROADWAY INTERSECTS

WISHKAH RD 1989

Iru Test Paint - Electrical Contractors - Appliances

414 7th St., Hoquiam, WA 98550

HOMEOWNER 268

**40 WISHKAH BLVD E -FROM
END OF E WISHKAH ST
EAST**

- ZIP CODE 98520
- 2318★Cushman Diane © 532-2942
- 2414★Nipper T W
- 2430 Vacant
- 2440 Bloom Nate
- 2500 Mode Marian A Mrs ©
532-5818
- 2504 Vacant
- 2512 Vacant
- 2517 Vacant
- 2519 Vacant
- 2710 Sparling Theo R

- 2814 Anderson Stanley F ©
532-5969
Anderson Bill auto bodym
- 2815★Mauser Carl © 533-6148
- 2816 Simpson Tobin P © 532-9476
- 2818 Timmons Susan J ©
533-6599
- 2823 Walczyk Sylvia C Mrs ©
533-3738
- 2824 Turner James A © 532-8566
- 2828 Baretich Cynthia M Mrs ©
532-6879
- 2833 Boede Wm A © 533-8576
- 2843 Hasselbach Doug F
- 2851 No Return
- 2852 Miller Joseph F © 533-6484
- 2861 Stricevich Anthony M ©
532-5587

**18 WISHKAH RD -FROM
NORTH B ST NORTHEAST
PARALLEL TO EXTENSION
OF 11TH AV**

- ZIP CODE 98520
- 2314 Mc Dougall Lila A ©
532-5671
- 2316 Koski Doris E © 533-3378
- 2322 Little Donald S 532-4584
- 2330 Craig Danl © 532-7886
- 2606★Svinth Nita ©
- 2608 Brevard Ron J © 533-5089
- 2624 Smith Alma A © 532-8828
- 2630 Vacant
- 2640 Pigott Nancy 532-9341
- 2648 Davies Barbara © 532-8416
- OLYMPIC VIEW WAY
INTERSECTS
- 2650 Vacant
- 2703 King Lert P © 533-1782
- 2704 Humberg Robt © 533-1797
- 2706 Hensley Randy © 533-4746
- 2711 No Return
- 2721 Krulich Fritz © 532-4476
- 2723 Ludvigsen E J Gill 532-4815
- 2725 Swenson Arne E 533-7470
- 2728★Randich Mark
- 2741 Richardson Don © 532-1694
- 2743 Bickar Cindy L © 533-8538
- 2750 Mc Cleery Craig S ©
538-1451
- 2756 Le Mire Rosanna M ©
532-3205
- 2801 Holland Zeal B ©
- 2809 Townsend Arnold E ©
532-8195

**6 WISHKAH ST E -FROM 200 S
BROADWAY ST EAST**

- ZIP CODE 98520
- 101 Bryan & Son jewelry store
532-6140
- 103 Bogdanovich Gregory G optom
532-3611
- 105 Helsing Paperback Exchange
532-0843
- 107 Enclosure Store The womens
clos 533-6220
- 108 City Drug Co Inc 532-5182
- 109 Garrett's Camera Center
533-2070
- 109½ Copland Agencies ins
532-6776
- 110 Herbig Jewelers Inc 532-8232
- 111 Simonson's Gifts 533-6044
- 112 Brennan's Inc dept store
532-4933
- 113 Fresh Ideas queen size clo
532-6208
- 115 Diamond Parking Lot
- 116 Harbor Dental Center
533-0882
Nomura Steven A dentist
533-0882
Pitts Jon E dentist 533-0882
- 118 Home Plate Cafe 533-8111
- 122 Computer Advanced
Technology comp sls &
training repr 538-0222
- I ST INTERSECTS
- 201 Fay's Towne Shop womens &
jr apparel 532-5444

WISHKAH RD 1984

2710★Sparling Theo R

18

**WISHKAH RD —FROM
NORTH B ST NORTHEAST
PARALLEL TO EXTENSION
OF 11TH AV**

ZIP CODE 98520

2314 Mc Dougall Lila A ©
532-56712316 Marriott Mary H Mrs ©
533-3378

2322 Little Donald © 532-4584

2330 Craig Danl © 532-7886

2606 Cole Leoma A Mrs ©
533-1565

2608★Larson Steve C

2624 Smith Alma A © 532-8828

2630 Steed John E

2640★Pigott Nancy 532-9341

2648★Woods Thos R

2650★Crain Paul C

2703 King Lert P © 533-1782

2704 Humberg Robt © 533-1797

2706 Loomis Gary D 532-2057

2711 Krulich Fritz W © 532-4476

2721 Gentile Fritz T

2723 Larkson Ike

WISHKAH RD 1984

ABERDEEN HOUSEHC

WISHKAH RD (A)—Contd

2725★Diamond Richd A ☉

532-1810

2728★Hall Jerry E ☉ 533-2249

2735 Vacant

2741 Richardson Don ☉ 532-1694

2743★Bickar Cindy L ☉

2750★Mc Cleery Craig S ☉

538-1451

2756 Le Mire Roy A ☉ 532-3205

2801 Holland Zeal B ☉

2809 Townsend Arnold E ☉

532-8195

2814 Anderson Stanley F ☉

532-5969

2814½ Vacant

2815 Elhindi Yasser ☉ 533-6148

2816 Tull Floyd C ☉ 533-2077

2818★Mc Donald Reuben

2823 Walczyk Sylvia C Mrs ☉

533-3738

2824 Turner James A ☉ 532-8566

2828 Baretich John ☉ 532-6879

2833 Boede Wm A ☉ 533-2778

2843★Hasselbach Doug F 532-5228

2851 Spaur Edw A ☉

2852 Miller Joseph F ☉ 533-6484

2861★Stricevich Anthony M ☉

532-5587

6

**WISHKAH ST E —FROM 200 S
BROADWAY ST EAST**

WISHKAH RD 1979

2525★Casper V H
2710★Holman Gary R

18

**WISHKAH RD —FROM
NORTH B ST NORTHEAST
PARALLEL TO EXTENSION
OF 11TH AV**

ZIP CODE 98520

2314 Mc Dougall Herbert W ©
532-5671
2316 Marriott Mary H Mrs ©
533-3378
2322 Little Donald © 532-4584
2330★Craig Danl © 532-7886
2606 Cole Leoma A Mrs ©
533-1565
2608 Larson Glenda 532-0996
2624 Smith Roy M © 532-8828
2630 Offring Geraldine
2640 Carrigan C W © 532-4517
2648 Krulich Stella
2703 Raffelson Ron M © 533-2512
2704 Humberg Robt © 533-1797
2706 Anderson Robt W ©
532-6818
2711 Krulich Fredk W ©
532-4476
2721 Flemming Roger G ©
2723 Spaur Melvin L 532-3648
2725★Simpson Karen 533-4714
2728 Lohr Erman ©
2729 Simpson Charles W ©
2735 Wood Glenn C © 532-7654
2741 Fisher Jack B © 533-5018
2743★Birkar Cindy L 533-6128
2750★Ashley Connie
2756 Le Mire Roy © 532-3205
2801 Holland Zeal B © 533-6861
2809 Townsend Richd E ©
532-8195

WISHKAH RD 1979

422 Fifth Street, P.O.

201

ABERDEEN HOUSEHO

WISHKAH RD (A)—Contd

2814 Anderson Stanley F ©
532-5969

2814½ Puckett Cindy

2815 Elhindi Yasser © 533-6148

2816 Tull Floyd C © 533-2077

2818 Esterbrook Phinney P ©

2823 Walczyk Andrew R ©
533-3738

2824 Turner James A © 532-8566

2828 Baretich John © 532-6879

2833 Boede Wm A © 533-2778

2843 Zack Michl L ©

2851 Huffman Denise R

2852 Joe's Grocery 532-7033

Miller Joseph F © 532-7033

2861 Hopper Agnes W Mrs ©
532-0983

6

WISHKAH ST E —FROM 200 S

BROADWAY ST EAST

WISHKAH RD 1973

18

**WISHKAH RD —FROM
NORTH B ST NORTHEAST
PARALLEL TO EXTENSION
OF 11TH AV**

ZIP CODE 98520

**2314 Mc Dougall Herbert W ©
532-5671**

2316 ★ Marriott Tom H ©

2322 Kenagy Dale © 532-4584

Monson Milla Mrs 532-0475

2330 Craig Danl T © 532-7886

2606 Cole Joe © 533-1565

2608 Murray Edw D 533-2737

2624 Smith Roy M © 532-8828

2630 Booth & Sons Janitor

Service 533-1992

Booth Alf L © 533-1992

PLY SERVICE

WISHKAH RD 1973

418 East 1st Street	21	R L POLK
	WISHKAH RD (A)—Contd	
	2640	Corrigan C W 532-4517
	2648	Davies Richd H
	2703	Raffelson Ron M ☉ 533-2512
	2704	★ Humberg Robt ☉ 533-1797
	2706	Anderson Robt W ☉ 532-6818
	2711	Krulich Fredk W ☉ 532-4476
	2721	Vacant
	2723	Vacant
	2725	Simpson Harry ☉ 533-4714
	2728	★ Lohr Erman ☉
	2729	Simpson Charles
	2735	Wood Glenn C ☉ 532-7654
	2741	Vacant
	2743	Thorson David L ☉ 532-3745
	2750	Garrett Robt C ☉ 533-4771
	2756	Le Mire Roy A ☉ 532-3205
	2801	Holland Zeal B ☉
	2809	Randall Willis E ☉ 532-8195
	2814	Anderson Stanley F ☉ 532-5969
	2814½	Anderson Robt
	2815	Furstenwerth Carl O ☉
	2816	Tull Floyd C ☉ 533-2077
	2818	Sjostrand Kurt A ☉ 532-4429
	2823	Walczyk Andrew R ☉ 533-3738
	2824	Turner James A ☉ 532-8566
	2828	Baretich John ☉ 532-6879
	2833	Boede Wm A ☉ 533-2778
	2843	Westby David M ☉ 533-4439
	2851	★ Edwards Lloyd ☉ 532-6066
	2852	Joe's Grocery 532-7033 Miller Joseph F 532-7033
	2861	Hopper Clifton S ☉ 532-0983
	6	
	WISHKAH ST E —FROM 200 S BROADWAY ST EAST	
	ZIP CODE 98520	

418 East 1st Street

Tacoma, Washington (98402)

WISHKAH RD 1968

Phone 533-1574

ABERDEEN DIRECTORY OF HOUSEHOLDERS

231

WISHKAH RD—Contd

- 2314 MC DOUGALL HERBERT W
• 532-5671
- 2316 DAVIDSON SOPHIA M MRS
• 532-0856
- 2322 KENAGY DALE •
532-4584
- 2330 CRAIG DANL T 532-7886
- 2606 COLE JOE • 533-1565
- 2608 MERCER ED C 532-9439
- 2624 SMITH ROY M •
532-8828
- 2630 BOOTH & SONS JANITOR
SERVICE 533-1992
BOOTH ALF L •
533-1992
- 2640 BJORND AHL NORA A MRS
• LE2-3416
- 2648 PETERSON JOHN R
532-9209
- 2703 TUCKER STEVEN A •
533-0754
- 2704 TATRO GARY E •
533-1667
- 2706 ANDERSON ROBT W •
532-6818
- 2711 KRULICH FREDK W •
532-4476
- 2721 CRABB WM L 532-5703
- 2723 JARVIS MARGT J MRS
533-3474
- 2725 SIMPSON HARRY •
- 2728 HILDBRAND GERTRUDE E
MRS • 532-5974
- 2729 DOTSON ROSS D
- 2735 WOOD GLENN C •
532-7654
- 2741 VACANT
- 2743 CORNELL JOSEPH H JR •
532-7941
- 2750 GARRETT MARY E MRS •
533-1931
- 2756 LE MIRE ROY A •
532-3205
- 2801 HOLLAND ZEAL •
- 2809 RANDALL WILLIS E •
532-8195
- 2814 VALLIERE ROBT H •
533-0617
- 2814½ BROTEN KENNETH M
- 2815 FURSTENWERTH CARL O •
533-3315

- 2816 TULL FLOYD C •
533-2077
- 2818 SJOSTRAND KURT H •
532-4429
- 2823 WALCZYK ANDREW R •
533-3738
- 2824 TURNER JAMES A •
532-8566
- 2828 BARETICH JOHN •
532-0259
- 2833 BOEDE WM A • 533-2778
- 2843 SALMON DOROTHY E MRS
• 532-2947
- 2851 HARRIS WM A •
533-2128
- 2852 PERCINI'S BARBER SHOP
PERCINI'S GROCERY
532-7033
- 2861 HOPPER CLIFTON S •
532-0983

WISHKAH ST E -FROM S
BROADWAY EAST, 1 SOUTH
OF E MARKET

- ZIP CODE 98520
- 100 KERRONE'S DON CHEVRON
SERVICE 532-9958
- 103 COWHERD CHARLES W
OPTOM 532-3611
- 105 ADAMS BIRL FOOTWEAR
532-7960
- 107 ABERDEEN OFFICE
EQUIPMENT CO 533-0352
- 108 OLYMPIC DRUG INC
533-2290
- 109 GARRETT'S CAMERA
CENTER 533-2070
- 109½ BRYAN JEWELRY
532-6140
- 110 HERBIG JEWELERS
532-8232
- 111 AXLAND-O'HARE MEN'S
CLO 532-5110
- 112 BRENNAN'S INC HDW
532-4933
- 113 SCHMIDT AUB MUSIC
535-1740
- 116 WEISFIELD'S JEWELERS
INC 533-3831

NEW ABERDEEN GARAGE, Inc.

Phone 533-1200

AMBULANCE AND TOWING SERVICE

PHONE 533-9220

PHONE 482-7131

WISHKAH RD 1963

130

R. L. POLK & CO.'S

WISHKAH BLVD E--Contd
 2512 Albert Animal Hosp
 LE2-6311
 Albert Walter G ⊙
 2515 Hank's Sea Food Mkt
 LE2-7982
 Estes Raymond T ⊙
 2517 Whitlock Patk R ⊙
 2519 Kost Arnold L ⊙ LE2-
 8564
 2525 Kane Lillian V Mrs
 LE2-5858
 2710 Campbell Erna M Mrs
 ⊙ LE2-4677

34

**WISHKAH ROAD--From North
 B northeast, parallel to ex-
 tension of 11th av**

2314 McDougall Herbert W
 ⊙ LE2-5671
 2316 Davidson Wallace W ⊙
 LE2-0856
 2322 Miller Duwain ⊙
 LE2-4584
 2330 Lytle Mary Mrs ⊙
 LE2-5142
 2606 Cole Joe ⊙ LE3-1565
 2608 Vacant
 2608 ½ Under Constn
 2624 Smith Roy M ⊙ LE2-
 8828
 2630 Booth Alf L ⊙ LE1-1992
 2640 Bjorndahl Nora A Mrs
 ⊙ LE2-3416
 2648 Hubard Chas E ⊙
 LE2-9188
 2703 Motes Alex C Rex
 LE3-1031
 2704 Tatro Gary E ⊙ LE3-
 1667
 2706 Anderson Robt W ⊙ LE3-
 6868
 2711 Krulich Fredk W ⊙
 LE2-4476
 2721 Nixon Jos E ⊙ LE3-3750
 2723 Sherlock Norman
 2725 Simpson Harry ⊙
 2728 Hildbrank Gertrude
 E Mrs ⊙ LE2-5974
 2729 Downs Lee W
 2735 Wood Glenn C ⊙
 LE2-7654
 2741 Solheim Ronald ⊙
 LE2-4089
 2743 Cornell Jos H ⊙ LE2-
 4100
 2750 Garrett Wm A ⊙
 2756 LeMire Roy A ⊙
 LE2-3205
 2801 Holland Zeal ⊙
 2809 Randall Willis E ⊙
 LE2-8195
 2814 Vallier Robt H ⊙
 LE3-3218
 2814 ½ Kelly Arth S
 2815 Furstenwerth Carl G ⊙
 LE3-3315
 2816 Tull Floyd ⊙ LE3-0318

2818 West Hulda A Mrs ⊙
 LE2-7171
 2823 Walczyk Andy R
 LE3-3738
 2824 Stevenson Robin R
 Mrs LE2-4112
 2828 Baretich John ⊙
 LE2-0259
 2833 Boede Wm A ⊙
 LE3-2278
 2843 Salmon Norman J ⊙
 LE2-2947
 2851 Harris Wm A ⊙
 LE3-0210
 2852 Vollendroff Gro LE2-
 0733
 Vollendroff Lawrence
 E ⊙ LE2-7033
 2861 Hopper Clifton S ⊙
 LE2-0983

54

**WOOD E (SA)--From N Til-
 den east, 4 north of E
 Marion**

N Dewey intersects
 208 Loveless John LE3-
 3005
 208 ½ Weiher Herman G ⊙
 212 Reeson Levi ⊙ LE2-
 3838
 227 Garnett Ralph R ⊙
 LE3-2129
 229 Novak Michl ⊙
N Farragut intersects
Rogers intersects
 407 Krieger Lawrence C ⊙
 LE2-7183
 421 Ramsdell Kenneth L ⊙
 LE2-4785
 429 Vacant

67

**WOOD W (SA)--From N
 Tilden west, 4 north of
 Marion**

N Evans intersects
 201 Franich Jim ⊙ LE2-5697
 212 Gallagher Kath Mrs ⊙
 LE2-1900
 214 Jugum Anna V Mrs ⊙
 218 Vacant
 301 Schumway Ivan F ⊙
 LE2-6064
N Lawrence intersects
 307 Peterson Eric C
 313 Fuquay Nellie J Mrs ⊙
 LE2-7196
N Columbus intersects
 413 Righmire Susan E
 LE2-4518
 417 Chappell Davis R ⊙
 LE2-7519
 419 Batinovich Tony ⊙
 LE2-3202
N Custer intersects
 505 Isaacson Lester A ⊙
 LE3-2384

WISHKAH RD 1956

2517 No return
 2519 Vacant
 2525 Kane Roy E ① 1773-M
 2710 Campbell Edw G ① 3277-M

34

**WISHKAH ROAD — From North
 B northeast, parallel to extension
 of 11th av**

2314 McDougall Herbert W ① 515
 2316 Davidson Sophla M Mrs ①
 4267-M
 2322 Miller Dpwain L ① 4859
 2330 Lytle David J ① 2545
 2606 Cole Joe ①
 2608 Palmer Lamir E ①
 2624 Smith Roy M ① 3741-M
 2630 No return
 2640 Bjorndahl Nora A Mrs ①
 4856-W
 2648 Toler Chas R ① 3741-R

WISHKAH RD 1956

Phone Aberdeen 528

68

(1956) R. L. P

WISHKAH ROAD—Contd

- 2703 Davies Wm R ☉ 4173-W
 2704 Anderson Robt W jr ☉
 1491-W
 2706 Anderson Robt W ☉ 3741-J
 2711 Krulich Fredk W ☉ 3931-W
 2721 Nixon Jos E ☉ 4526
 2723 Vacant
 2725 Stairs Alf W ☉ 1063
 2728 Gran Richd 1320-R
 2729 Ward Allen L
 2735 Wood Glenn C ☉ 3931-J
 2741 Evans Jas O ☉ 1393
 2743 Van Blaricom Wesley R ☉
 3346-W
 2750 Garrett Wm A ☉
 2756 No return
 2801 Norton Robt E ☉ 3741-W
 2809 Randall Willis E ☉ 2006-M
 2814 Oreskovic Michl J 4419-J
 2814½ Lynch Harvey 3386-R
 2815 Furstenwerth Carl O ☉ 5493
 2816 Fraffjord R E ☉ 5474
 2818 West Hulda A Mrs ☉ 3386-J
 2823 Walczyk Andy R ☉ 4173-J
 2824 Turner Emily C Mrs ☉
 4173-R
 2828 Baretich John ☉ 4173-M
 2833 Alwood Lehr Mrs ☉ 2010-J
 2843 Salmon Norman J ☉ 1491-M
 2851 Harris Wm A ☉ 1491-J
 2852 Fred & Jean's Serv genl store
 4095
 Van Ess Fredk E ☉ 4905
 2861 Hopper Clifton S ☉ 1913

54

**WOOD, E (S A) — From N Tilden
 east, 4 north of E Marion**

N Dewey intersects

- 208 Frye Leonard A 3952-M
 208½ Weiher Herman ☉
 212 No return

APPENDIX H

Sanborn Abstract

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Wishkah Road

Wishkah Road

Aberdeen, WA 98520

Inquiry Number: 3837327.3

January 22, 2014

Certified Sanborn® Map Report

Certified Sanborn® Map Report

1/22/14

Site Name:

Wishkah Road
Wishkah Road
Aberdeen, WA 98520

Client Name:

AMEC Environment &
11810 North Creek Parkway
Bothell, WA 98011-0000



EDR Inquiry # 3837327.3

Contact: Tyler Henningsen

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by AMEC Environment & Infrastructure, Inc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Site Name: Wishkah Road
Address: Wishkah Road
City, State, Zip: Aberdeen, WA 98520
Cross Street:
P.O. # NA
Project: 3-915-17568-A
Certification # 5312-4BBD-8201



Sanborn® Library search results
Certification # 5312-4BBD-8201

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

The Sanborn Library LLC Since 1866™

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APPENDIX I

Analytical Laboratory Reports

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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Kurt Johnson, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

April 10, 2014

Tyler Henningsen, Project Manager
AMEC Environment & Infrastructure, Inc.
221 S 28th Street, Suite 102
Tacoma, WA 98402

Dear Mr. Henningsen:

Included is the amended report from the testing of material submitted on March 28, 2014 from the 391517568A Wishkah Road, PO C01310621, F&BI 403440 project. A qualifier has been added to the methylene chloride result in sample Dup-01.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Danille Jorgensen
AMC0408R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Kurt Johnson, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

April 8, 2014

Tyler Henningsen, Project Manager
AMEC Environment & Infrastructure, Inc.
221 S 28th Street, Suite 102
Tacoma, WA 98402

Dear Mr. Henningsen:

Included are the results from the testing of material submitted on March 28, 2014 from the 391517568A Wishkah Road, PO C01310621, F&BI 403440 project. There are 15 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 have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
AMC0408R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on March 28, 2014 by Friedman & Bruya, Inc. from the AMEC Environment & Infrastructure 391517568A Wishkah Road, PO C01310621, F&BI 403440 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>AMEC Environment & Infrastructure</u>
403440 -01	SS-01
403440 -02	SS-02
403440 -03	SS-03
403440 -04	SS-04
403440 -05	SS-05
403440 -06	SS-06
403440 -07	SS-07
403440 -08	SS-08
403440 -09	SS-09
403440 -10	SS-10
403440 -11	Dup-01
403440 -12	Trip Blank

The 8260C soil reporting limits were raised due to high percent moisture content.

Methylene chloride was detected in the Trip Blank. The data were flagged as due to laboratory contamination.

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/08/14

Date Received: 03/28/14

Project: 391517568A Wishkah Road, PO C01310621, F&BI 403440

Date Extracted: 03/31/14

Date Analyzed: 03/31/14

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR GASOLINE, DIESEL AND HEAVY OIL BY NWTPH-HCID
Results Reported as Not Detected (ND) or Detected (D)**

**THE DATA PROVIDED BELOW WAS PERFORMED PER THE GUIDELINES ESTABLISHED BY THE
WASHINGTON DEPARTMENT OF ECOLOGY AND WERE NOT DESIGNED TO PROVIDE INFORMATION
WITH REGARDS TO THE ACTUAL IDENTIFICATION OF ANY MATERIAL PRESENT**

<u>Sample ID</u> Laboratory ID	<u>Gasoline</u>	<u>Diesel</u>	<u>Heavy Oil</u>	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 48-168)
SS-01 403440-01	ND	ND	ND	97
SS-02 403440-02	ND	ND	ND	103
SS-03 403440-03	ND	ND	ND	94
SS-04 403440-04	ND	ND	ND	100
SS-05 403440-05	ND	ND	ND	93
SS-06 403440-06	ND	ND	ND	100
SS-07 403440-07	ND	ND	ND	102
SS-08 403440-08	ND	ND	ND	108
SS-09 403440-09	ND	ND	ND	104
SS-10 403440-10	ND	ND	ND	88

ND - Material not detected at or above 20 mg/kg gas, 50 mg/kg diesel and 250 mg/kg heavy oil.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/08/14

Date Received: 03/28/14

Project: 391517568A Wishkah Road, PO C01310621, F&BI 403440

Date Extracted: 03/31/14

Date Analyzed: 03/31/14

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR GASOLINE, DIESEL AND HEAVY OIL BY NWTPH-HCID
Results Reported as Not Detected (ND) or Detected (D)**

**THE DATA PROVIDED BELOW WAS PERFORMED PER THE GUIDELINES ESTABLISHED BY THE
WASHINGTON DEPARTMENT OF ECOLOGY AND WERE NOT DESIGNED TO PROVIDE INFORMATION
WITH REGARDS TO THE ACTUAL IDENTIFICATION OF ANY MATERIAL PRESENT**

<u>Sample ID</u> Laboratory ID	<u>Gasoline</u>	<u>Diesel</u>	<u>Heavy Oil</u>	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 48-168)
Dup-01 403440-11	ND	ND	ND	87
Method Blank 04-639 MB	ND	ND	ND	105

ND - Material not detected at or above 20 mg/kg gas, 50 mg/kg diesel and 250 mg/kg heavy oil.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: SS-01	Client: AMEC Environment & Infrastructure
Date Received: 03/28/14	Project: 391517568A Wishkah Road
Date Extracted: 03/31/14	Lab ID: 403440-01
Date Analyzed: 03/31/14	Data File: 033114.D
Matrix: Soil	Instrument: GCMS4
Units: mg/kg (ppm) Dry Weight	Operator: SP

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	62	142
Toluene-d8	99	51	121
4-Bromofluorobenzene	97	32	146

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<0.1
Chloromethane	<1	Tetrachloroethene	<0.05
Vinyl chloride	<0.1	Dibromochloromethane	<0.1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<0.1
Chloroethane	<1	Chlorobenzene	<0.1
Trichlorofluoromethane	<1	Ethylbenzene	<0.1
Acetone	<1	1,1,1,2-Tetrachloroethane	<0.1
1,1-Dichloroethene	<0.1	m,p-Xylene	<0.2
Methylene chloride	<1	o-Xylene	<0.1
Methyl t-butyl ether (MTBE)	<0.1	Styrene	<0.1
trans-1,2-Dichloroethene	<0.1	Isopropylbenzene	<0.1
1,1-Dichloroethane	<0.1	Bromoform	<0.1
2,2-Dichloropropane	<0.1	n-Propylbenzene	<0.1
cis-1,2-Dichloroethene	<0.1	Bromobenzene	<0.1
Chloroform	<0.1	1,3,5-Trimethylbenzene	<0.1
2-Butanone (MEK)	<1	1,1,2,2-Tetrachloroethane	<0.1
1,2-Dichloroethane (EDC)	<0.1	1,2,3-Trichloropropane	<0.1
1,1,1-Trichloroethane	<0.1	2-Chlorotoluene	<0.1
1,1-Dichloropropene	<0.1	4-Chlorotoluene	<0.1
Carbon tetrachloride	<0.1	tert-Butylbenzene	<0.1
Benzene	<0.03 j	1,2,4-Trimethylbenzene	<0.1
Trichloroethene	<0.03 j	sec-Butylbenzene	<0.1
1,2-Dichloropropane	<0.1	p-Isopropyltoluene	<0.1
Bromodichloromethane	<0.1	1,3-Dichlorobenzene	<0.1
Dibromomethane	<0.1	1,4-Dichlorobenzene	<0.1
4-Methyl-2-pentanone	<1	1,2-Dichlorobenzene	<0.1
cis-1,3-Dichloropropene	<0.1	1,2-Dibromo-3-chloropropane	<1
Toluene	<0.1	1,2,4-Trichlorobenzene	<0.5
trans-1,3-Dichloropropene	<0.1	Hexachlorobutadiene	<0.5
1,1,2-Trichloroethane	<0.1	Naphthalene	<0.1
2-Hexanone	<1	1,2,3-Trichlorobenzene	<0.5

Note: The reporting limits were raised due to high moisture content in sample.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	SS-02	Client:	AMEC Environment & Infrastructure
Date Received:	03/28/14	Project:	391517568A Wishkah Road
Date Extracted:	03/31/14	Lab ID:	403440-02
Date Analyzed:	03/31/14	Data File:	033115.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	62	142
Toluene-d8	100	51	121
4-Bromofluorobenzene	97	32	146

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<1.5	1,3-Dichloropropane	<0.15
Chloromethane	<1.5	Tetrachloroethene	<0.075
Vinyl chloride	<0.15	Dibromochloromethane	<0.15
Bromomethane	<1.5	1,2-Dibromoethane (EDB)	<0.15
Chloroethane	<1.5	Chlorobenzene	<0.15
Trichlorofluoromethane	<1.5	Ethylbenzene	<0.15
Acetone	<1.5	1,1,1,2-Tetrachloroethane	<0.15
1,1-Dichloroethene	<0.15	m,p-Xylene	<0.3
Methylene chloride	<1.5	o-Xylene	<0.15
Methyl t-butyl ether (MTBE)	<0.15	Styrene	<0.15
trans-1,2-Dichloroethene	<0.15	Isopropylbenzene	<0.15
1,1-Dichloroethane	<0.15	Bromoform	<0.15
2,2-Dichloropropane	<0.15	n-Propylbenzene	<0.15
cis-1,2-Dichloroethene	<0.15	Bromobenzene	<0.15
Chloroform	<0.15	1,3,5-Trimethylbenzene	<0.15
2-Butanone (MEK)	<1.5	1,1,2,2-Tetrachloroethane	<0.15
1,2-Dichloroethane (EDC)	<0.15	1,2,3-Trichloropropane	<0.15
1,1,1-Trichloroethane	<0.15	2-Chlorotoluene	<0.15
1,1-Dichloropropene	<0.15	4-Chlorotoluene	<0.15
Carbon tetrachloride	<0.15	tert-Butylbenzene	<0.15
Benzene	<0.03 j	1,2,4-Trimethylbenzene	<0.15
Trichloroethene	<0.03 j	sec-Butylbenzene	<0.15
1,2-Dichloropropane	<0.15	p-Isopropyltoluene	<0.15
Bromodichloromethane	<0.15	1,3-Dichlorobenzene	<0.15
Dibromomethane	<0.15	1,4-Dichlorobenzene	<0.15
4-Methyl-2-pentanone	<1.5	1,2-Dichlorobenzene	<0.15
cis-1,3-Dichloropropene	<0.15	1,2-Dibromo-3-chloropropane	<1.5
Toluene	<0.15	1,2,4-Trichlorobenzene	<0.75
trans-1,3-Dichloropropene	<0.15	Hexachlorobutadiene	<0.75
1,1,2-Trichloroethane	<0.15	Naphthalene	<0.15
2-Hexanone	<1.5	1,2,3-Trichlorobenzene	<0.75

Note: The reporting limits were raised due to high moisture content in sample.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: SS-09	Client: AMEC Environment & Infrastructure
Date Received: 03/28/14	Project: 391517568A Wishkah Road
Date Extracted: 03/31/14	Lab ID: 403440-09
Date Analyzed: 03/31/14	Data File: 033116.D
Matrix: Soil	Instrument: GCMS4
Units: mg/kg (ppm) Dry Weight	Operator: SP

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	62	142
Toluene-d8	102	51	121
4-Bromofluorobenzene	98	32	146

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<0.1
Chloromethane	<1	Tetrachloroethene	<0.05
Vinyl chloride	<0.1	Dibromochloromethane	<0.1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<0.1
Chloroethane	<1	Chlorobenzene	<0.1
Trichlorofluoromethane	<1	Ethylbenzene	<0.1
Acetone	<1	1,1,1,2-Tetrachloroethane	<0.1
1,1-Dichloroethene	<0.1	m,p-Xylene	<0.2
Methylene chloride	<1	o-Xylene	<0.1
Methyl t-butyl ether (MTBE)	<0.1	Styrene	<0.1
trans-1,2-Dichloroethene	<0.1	Isopropylbenzene	<0.1
1,1-Dichloroethane	<0.1	Bromoform	<0.1
2,2-Dichloropropane	<0.1	n-Propylbenzene	<0.1
cis-1,2-Dichloroethene	<0.1	Bromobenzene	<0.1
Chloroform	<0.1	1,3,5-Trimethylbenzene	<0.1
2-Butanone (MEK)	<1	1,1,2,2-Tetrachloroethane	<0.1
1,2-Dichloroethane (EDC)	<0.1	1,2,3-Trichloropropane	<0.1
1,1,1-Trichloroethane	<0.1	2-Chlorotoluene	<0.1
1,1-Dichloropropene	<0.1	4-Chlorotoluene	<0.1
Carbon tetrachloride	<0.1	tert-Butylbenzene	<0.1
Benzene	<0.03 j	1,2,4-Trimethylbenzene	<0.1
Trichloroethene	<0.03 j	sec-Butylbenzene	<0.1
1,2-Dichloropropane	<0.1	p-Isopropyltoluene	0.18
Bromodichloromethane	<0.1	1,3-Dichlorobenzene	<0.1
Dibromomethane	<0.1	1,4-Dichlorobenzene	<0.1
4-Methyl-2-pentanone	<1	1,2-Dichlorobenzene	<0.1
cis-1,3-Dichloropropene	<0.1	1,2-Dibromo-3-chloropropane	<1
Toluene	<0.1	1,2,4-Trichlorobenzene	<0.5
trans-1,3-Dichloropropene	<0.1	Hexachlorobutadiene	<0.5
1,1,2-Trichloroethane	<0.1	Naphthalene	<0.1
2-Hexanone	<1	1,2,3-Trichlorobenzene	<0.5

Note: The reporting limits were raised due to high moisture content in sample.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: Dup-01	Client: AMEC Environment & Infrastructure
Date Received: 03/28/14	Project: 391517568A Wishkah Road
Date Extracted: 03/31/14	Lab ID: 403440-11
Date Analyzed: 03/31/14	Data File: 033117.D
Matrix: Soil	Instrument: GCMS4
Units: mg/kg (ppm) Dry Weight	Operator: SP

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	62	142
Toluene-d8	100	51	121
4-Bromofluorobenzene	98	32	146

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<0.1
Chloromethane	<1	Tetrachloroethene	<0.05
Vinyl chloride	<0.1	Dibromochloromethane	<0.1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<0.1
Chloroethane	<1	Chlorobenzene	<0.1
Trichlorofluoromethane	<1	Ethylbenzene	<0.1
Acetone	<1	1,1,1,2-Tetrachloroethane	<0.1
1,1-Dichloroethene	<0.1	m,p-Xylene	<0.2
Methylene chloride	1.2 lc	o-Xylene	<0.1
Methyl t-butyl ether (MTBE)	<0.1	Styrene	<0.1
trans-1,2-Dichloroethene	<0.1	Isopropylbenzene	<0.1
1,1-Dichloroethane	<0.1	Bromoform	<0.1
2,2-Dichloropropane	<0.1	n-Propylbenzene	<0.1
cis-1,2-Dichloroethene	<0.1	Bromobenzene	<0.1
Chloroform	<0.1	1,3,5-Trimethylbenzene	<0.1
2-Butanone (MEK)	<1	1,1,2,2-Tetrachloroethane	<0.1
1,2-Dichloroethane (EDC)	<0.1	1,2,3-Trichloropropane	<0.1
1,1,1-Trichloroethane	<0.1	2-Chlorotoluene	<0.1
1,1-Dichloropropene	<0.1	4-Chlorotoluene	<0.1
Carbon tetrachloride	<0.1	tert-Butylbenzene	<0.1
Benzene	<0.03 j	1,2,4-Trimethylbenzene	<0.1
Trichloroethene	<0.03 j	sec-Butylbenzene	<0.1
1,2-Dichloropropane	<0.1	p-Isopropyltoluene	0.18
Bromodichloromethane	<0.1	1,3-Dichlorobenzene	<0.1
Dibromomethane	<0.1	1,4-Dichlorobenzene	<0.1
4-Methyl-2-pentanone	<1	1,2-Dichlorobenzene	<0.1
cis-1,3-Dichloropropene	<0.1	1,2-Dibromo-3-chloropropane	<1
Toluene	<0.1	1,2,4-Trichlorobenzene	<0.5
trans-1,3-Dichloropropene	<0.1	Hexachlorobutadiene	<0.5
1,1,2-Trichloroethane	<0.1	Naphthalene	<0.1
2-Hexanone	<1	1,2,3-Trichlorobenzene	<0.5

Note: The reporting limits were raised due to high moisture content in sample.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	AMEC Environment & Infrastructure
Date Received:	NA	Project:	391517568A Wishkah Road
Date Extracted:	03/31/14	Lab ID:	04-627 mb
Date Analyzed:	03/31/14	Data File:	033106.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	62	142
Toluene-d8	99	51	121
4-Bromofluorobenzene	97	32	146

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Methylene chloride	<0.5	o-Xylene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Styrene	<0.05
trans-1,2-Dichloroethene	<0.05	Isopropylbenzene	<0.05
1,1-Dichloroethane	<0.05	Bromoform	<0.05
2,2-Dichloropropane	<0.05	n-Propylbenzene	<0.05
cis-1,2-Dichloroethene	<0.05	Bromobenzene	<0.05
Chloroform	<0.05	1,3,5-Trimethylbenzene	<0.05
2-Butanone (MEK)	<0.5	1,1,2,2-Tetrachloroethane	<0.05
1,2-Dichloroethane (EDC)	<0.05	1,2,3-Trichloropropane	<0.05
1,1,1-Trichloroethane	<0.05	2-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	4-Chlorotoluene	<0.05
Carbon tetrachloride	<0.05	tert-Butylbenzene	<0.05
Benzene	<0.03	1,2,4-Trimethylbenzene	<0.05
Trichloroethene	<0.02	sec-Butylbenzene	<0.05
1,2-Dichloropropane	<0.05	p-Isopropyltoluene	<0.05
Bromodichloromethane	<0.05	1,3-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,4-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dichlorobenzene	<0.05
cis-1,3-Dichloropropene	<0.05	1,2-Dibromo-3-chloropropane	<0.5
Toluene	<0.05	1,2,4-Trichlorobenzene	<0.25
trans-1,3-Dichloropropene	<0.05	Hexachlorobutadiene	<0.25
1,1,2-Trichloroethane	<0.05	Naphthalene	<0.05
2-Hexanone	<0.5	1,2,3-Trichlorobenzene	<0.25

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Trip Blank	Client:	AMEC Environment & Infrastructure
Date Received:	03/28/14	Project:	391517568A Wishkah Road
Date Extracted:	03/31/14	Lab ID:	403440-12
Date Analyzed:	03/31/14	Data File:	033114.D
Matrix:	Water	Instrument:	GCMS7
Units:	ug/L (ppb)	Operator:	SP

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	94	108
Toluene-d8	99	91	107
4-Bromofluorobenzene	100	91	110

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Methylene chloride	6.3 lc	o-Xylene	<1
Methyl t-butyl ether (MTBE)	<1	Styrene	<1
trans-1,2-Dichloroethene	<1	Isopropylbenzene	<1
1,1-Dichloroethane	<1	Bromoform	<1
2,2-Dichloropropane	<1	n-Propylbenzene	<1
cis-1,2-Dichloroethene	<1	Bromobenzene	<1
Chloroform	<1	1,3,5-Trimethylbenzene	<1
2-Butanone (MEK)	<10	1,1,2,2-Tetrachloroethane	<1
1,2-Dichloroethane (EDC)	<1	1,2,3-Trichloropropane	<1
1,1,1-Trichloroethane	<1	2-Chlorotoluene	<1
1,1-Dichloropropene	<1	4-Chlorotoluene	<1
Carbon tetrachloride	<1	tert-Butylbenzene	<1
Benzene	<0.35	1,2,4-Trimethylbenzene	<1
Trichloroethene	<1	sec-Butylbenzene	<1
1,2-Dichloropropane	<1	p-Isopropyltoluene	<1
Bromodichloromethane	<1	1,3-Dichlorobenzene	<1
Dibromomethane	<1	1,4-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dichlorobenzene	<1
cis-1,3-Dichloropropene	<1	1,2-Dibromo-3-chloropropane	<10
Toluene	<1	1,2,4-Trichlorobenzene	<1
trans-1,3-Dichloropropene	<1	Hexachlorobutadiene	<1
1,1,2-Trichloroethane	<1	Naphthalene	<1
2-Hexanone	<10	1,2,3-Trichlorobenzene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	AMEC Environment & Infrastructure
Date Received:	NA	Project:	391517568A Wishkah Road
Date Extracted:	03/31/14	Lab ID:	04-626 mb
Date Analyzed:	03/31/14	Data File:	033107.D
Matrix:	Water	Instrument:	GCMS7
Units:	ug/L (ppb)	Operator:	SP

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	94	108
Toluene-d8	97	91	107
4-Bromofluorobenzene	101	91	110

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Methylene chloride	<5	o-Xylene	<1
Methyl t-butyl ether (MTBE)	<1	Styrene	<1
trans-1,2-Dichloroethene	<1	Isopropylbenzene	<1
1,1-Dichloroethane	<1	Bromoform	<1
2,2-Dichloropropane	<1	n-Propylbenzene	<1
cis-1,2-Dichloroethene	<1	Bromobenzene	<1
Chloroform	<1	1,3,5-Trimethylbenzene	<1
2-Butanone (MEK)	<10	1,1,2,2-Tetrachloroethane	<1
1,2-Dichloroethane (EDC)	<1	1,2,3-Trichloropropane	<1
1,1,1-Trichloroethane	<1	2-Chlorotoluene	<1
1,1-Dichloropropene	<1	4-Chlorotoluene	<1
Carbon tetrachloride	<1	tert-Butylbenzene	<1
Benzene	<0.35	1,2,4-Trimethylbenzene	<1
Trichloroethene	<1	sec-Butylbenzene	<1
1,2-Dichloropropane	<1	p-Isopropyltoluene	<1
Bromodichloromethane	<1	1,3-Dichlorobenzene	<1
Dibromomethane	<1	1,4-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dichlorobenzene	<1
cis-1,3-Dichloropropene	<1	1,2-Dibromo-3-chloropropane	<10
Toluene	<1	1,2,4-Trichlorobenzene	<1
trans-1,3-Dichloropropene	<1	Hexachlorobutadiene	<1
1,1,2-Trichloroethane	<1	Naphthalene	<1
2-Hexanone	<10	1,2,3-Trichlorobenzene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/08/14

Date Received: 03/28/14

Project: 391517568A Wishkah Road, PO C01310621, F&BI 403440

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR VOLATILES BY EPA METHOD 8260C**

Laboratory Code: 403440-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	2.5	<1	10	10	10-142	0
Chloromethane	mg/kg (ppm)	2.5	<1	21	21	10-126	0
Vinyl chloride	mg/kg (ppm)	2.5	<0.1	19	18	10-138	5
Bromomethane	mg/kg (ppm)	2.5	<1	46	42	10-163	9
Chloroethane	mg/kg (ppm)	2.5	<1	34	32	10-176	6
Trichlorofluoromethane	mg/kg (ppm)	2.5	<1	19	18	10-176	5
Acetone	mg/kg (ppm)	12.5	<1	45	47	10-163	4
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.1	26	25	10-160	4
Methylene chloride	mg/kg (ppm)	2.5	<1	37	35	10-156	6
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	<0.1	47	47	21-145	0
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.1	32	31	14-137	3
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.1	37	37	19-140	0
2,2-Dichloropropane	mg/kg (ppm)	2.5	<0.1	31	30	10-158	3
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.1	40	40	25-135	0
Chloroform	mg/kg (ppm)	2.5	<0.1	41	40	21-145	2
2-Butanone (MEK)	mg/kg (ppm)	12.5	<1	48	48	19-147	0
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.1	42	42	12-160	0
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.1	31	32	10-156	3
1,1-Dichloropropene	mg/kg (ppm)	2.5	<0.1	30	30	17-140	0
Carbon tetrachloride	mg/kg (ppm)	2.5	<0.1	26	26	9-164	0
Benzene	mg/kg (ppm)	2.5	<0.06	36	36	29-129	0
Trichloroethene	mg/kg (ppm)	2.5	<0.04	36	35	21-139	3
1,2-Dichloropropane	mg/kg (ppm)	2.5	<0.1	42	42	30-135	0
Bromodichloromethane	mg/kg (ppm)	2.5	<0.1	37	39	23-155	5
Dibromomethane	mg/kg (ppm)	2.5	<0.1	43	43	23-145	0
4-Methyl-2-pentanone	mg/kg (ppm)	12.5	<1	50	52	24-155	4
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.1	38	40	28-144	5
Toluene	mg/kg (ppm)	2.5	<0.1	35	35	35-130	0
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.1	37	39	26-149	5
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	<0.1	43	43	10-205	0
2-Hexanone	mg/kg (ppm)	12.5	<1	46	48	15-166	4
1,3-Dichloropropane	mg/kg (ppm)	2.5	<0.1	42	42	31-137	0
Tetrachloroethene	mg/kg (ppm)	2.5	<0.05	29	29	20-133	0
Dibromochloromethane	mg/kg (ppm)	2.5	<0.1	30	31	28-150	3
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	<0.1	41	42	28-142	2
Chlorobenzene	mg/kg (ppm)	2.5	<0.1	36	36	32-129	0
Ethylbenzene	mg/kg (ppm)	2.5	<0.1	34	34	32-137	0
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.1	36	37	31-143	3
m,p-Xylene	mg/kg (ppm)	5	<0.2	34	34	34-136	0
o-Xylene	mg/kg (ppm)	2.5	<0.1	37	36	33-134	3
Styrene	mg/kg (ppm)	2.5	<0.1	37	37	35-137	0
Isopropylbenzene	mg/kg (ppm)	2.5	<0.1	35	35	31-142	0
Bromoform	mg/kg (ppm)	2.5	<0.1	27	30	21-156	11
n-Propylbenzene	mg/kg (ppm)	2.5	<0.1	31	31	23-146	0
Bromobenzene	mg/kg (ppm)	2.5	<0.1	36	35	34-130	3
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	<0.1	31	31	18-149	0
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.1	41	41	28-140	0
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	<0.1	41	42	25-144	2
2-Chlorotoluene	mg/kg (ppm)	2.5	<0.1	33	32	31-134	3
4-Chlorotoluene	mg/kg (ppm)	2.5	<0.1	32	32	31-136	0
tert-Butylbenzene	mg/kg (ppm)	2.5	<0.1	33	33	30-137	0
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	<0.1	31	31	10-182	0
sec-Butylbenzene	mg/kg (ppm)	2.5	<0.1	30	30	23-145	0
p-Isopropyltoluene	mg/kg (ppm)	2.5	<0.1	29	29	21-149	0
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	<0.1	31	31	30-131	0
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	<0.1	31	31	29-129	0
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	<0.1	34	34	31-132	0
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	<1	30	31	11-161	3
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	<0.5	27	27	22-142	0
Hexachlorobutadiene	mg/kg (ppm)	2.5	<0.5	24	24	10-142	0
Naphthalene	mg/kg (ppm)	2.5	<0.1	32	32	14-157	0
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	<0.5	27	27	20-144	0

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/08/14

Date Received: 03/28/14

Project: 391517568A Wishkah Road, PO C01310621, F&BI 403440

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR VOLATILES BY EPA METHOD 8260C**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Dichlorodifluoromethane	mg/kg (ppm)	2.5	59	10-146
Chloromethane	mg/kg (ppm)	2.5	69	27-133
Vinyl chloride	mg/kg (ppm)	2.5	80	22-139
Bromomethane	mg/kg (ppm)	2.5	86	38-114
Chloroethane	mg/kg (ppm)	2.5	85	10-163
Trichlorofluoromethane	mg/kg (ppm)	2.5	98	10-196
Acetone	mg/kg (ppm)	12.5	86	52-141
1,1-Dichloroethene	mg/kg (ppm)	2.5	90	47-128
Methylene chloride	mg/kg (ppm)	2.5	85	42-132
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	95	60-123
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	91	67-127
1,1-Dichloroethane	mg/kg (ppm)	2.5	94	68-115
2,2-Dichloropropane	mg/kg (ppm)	2.5	105	52-170
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	96	72-113
Chloroform	mg/kg (ppm)	2.5	96	66-120
2-Butanone (MEK)	mg/kg (ppm)	12.5	102	57-123
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	97	56-135
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	100	62-131
1,1-Dichloropropene	mg/kg (ppm)	2.5	94	69-128
Carbon tetrachloride	mg/kg (ppm)	2.5	104	60-139
Benzene	mg/kg (ppm)	2.5	91	68-114
Trichloroethene	mg/kg (ppm)	2.5	92	64-117
1,2-Dichloropropane	mg/kg (ppm)	2.5	99	72-127
Bromodichloromethane	mg/kg (ppm)	2.5	109	72-130
Dibromomethane	mg/kg (ppm)	2.5	102	70-120
4-Methyl-2-pentanone	mg/kg (ppm)	12.5	106	45-145
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	110	75-136
Toluene	mg/kg (ppm)	2.5	88	66-126
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	108	72-132
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	96	75-113
2-Hexanone	mg/kg (ppm)	12.5	97	33-152
1,3-Dichloropropane	mg/kg (ppm)	2.5	95	72-130
Tetrachloroethene	mg/kg (ppm)	2.5	91	72-114
Dibromochloromethane	mg/kg (ppm)	2.5	94	74-125
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	102	74-132
Chlorobenzene	mg/kg (ppm)	2.5	91	76-111
Ethylbenzene	mg/kg (ppm)	2.5	91	64-123
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	107	69-135
m,p-Xylene	mg/kg (ppm)	5	92	78-122
o-Xylene	mg/kg (ppm)	2.5	94	77-124
Styrene	mg/kg (ppm)	2.5	97	74-126
Isopropylbenzene	mg/kg (ppm)	2.5	96	76-127
Bromoform	mg/kg (ppm)	2.5	98	56-132
n-Propylbenzene	mg/kg (ppm)	2.5	92	74-124
Bromobenzene	mg/kg (ppm)	2.5	93	72-122
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	94	76-126
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	102	56-143
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	97	61-137
2-Chlorotoluene	mg/kg (ppm)	2.5	91	74-121
4-Chlorotoluene	mg/kg (ppm)	2.5	91	75-122
tert-Butylbenzene	mg/kg (ppm)	2.5	100	73-130
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	92	76-125
sec-Butylbenzene	mg/kg (ppm)	2.5	95	71-130
p-Isopropyltoluene	mg/kg (ppm)	2.5	94	70-132
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	91	75-121
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	89	74-117
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	92	76-121
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	98	58-138
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	90	64-135
Hexachlorobutadiene	mg/kg (ppm)	2.5	91	50-153
Naphthalene	mg/kg (ppm)	2.5	93	63-140
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	86	63-138

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/08/14

Date Received: 03/28/14

Project: 391517568A Wishkah Road, PO C01310621, F&BI 403440

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR VOLATILES BY EPA METHOD 8260C**

Laboratory Code: 403442-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent	Acceptance Criteria
				Recovery MS	
Dichlorodifluoromethane	ug/L (ppb)	50	<1	81	51-147
Chloromethane	ug/L (ppb)	50	<10	79	56-133
Vinyl chloride	ug/L (ppb)	50	<0.2	84	58-136
Bromomethane	ug/L (ppb)	50	<1	118	32-180
Chloroethane	ug/L (ppb)	50	<1	90	61-138
Trichlorofluoromethane	ug/L (ppb)	50	<1	83	64-135
Acetone	ug/L (ppb)	250	<10	86	58-120
1,1-Dichloroethene	ug/L (ppb)	50	<1	88	75-118
Methylene chloride	ug/L (ppb)	50	<5	101	73-118
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	<1	101	80-114
trans-1,2-Dichloroethene	ug/L (ppb)	50	<1	99	82-111
1,1-Dichloroethane	ug/L (ppb)	50	<1	101	85-110
2,2-Dichloropropane	ug/L (ppb)	50	<1	106	59-134
cis-1,2-Dichloroethene	ug/L (ppb)	50	<1	106	84-112
Chloroform	ug/L (ppb)	50	1.8	99	84-111
2-Butanone (MEK)	ug/L (ppb)	250	<10	108	74-122
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	<1	99	81-114
1,1,1-Trichloroethane	ug/L (ppb)	50	<1	98	83-115
1,1-Dichloropropene	ug/L (ppb)	50	<1	98	84-112
Carbon tetrachloride	ug/L (ppb)	50	<1	99	82-118
Benzene	ug/L (ppb)	50	<0.35	102	85-109
Trichloroethene	ug/L (ppb)	50	<1	94	84-105
1,2-Dichloropropane	ug/L (ppb)	50	<1	99	85-111
Bromodichloromethane	ug/L (ppb)	50	<1	95	80-118
Dibromomethane	ug/L (ppb)	50	<1	93	84-114
4-Methyl-2-pentanone	ug/L (ppb)	250	<10	107	90-126
cis-1,3-Dichloropropene	ug/L (ppb)	50	<1	100	80-122
Toluene	ug/L (ppb)	50	<1	105	86-111
trans-1,3-Dichloropropene	ug/L (ppb)	50	<1	103	79-126
1,1,2-Trichloroethane	ug/L (ppb)	50	<1	98	73-129
2-Hexanone	ug/L (ppb)	250	<10	112	73-136
1,3-Dichloropropane	ug/L (ppb)	50	<1	101	85-113
Tetrachloroethene	ug/L (ppb)	50	<1	97	72-121
Dibromochloromethane	ug/L (ppb)	50	<1	103	77-131
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	<1	99	81-120
Chlorobenzene	ug/L (ppb)	50	<1	97	84-110
Ethylbenzene	ug/L (ppb)	50	<1	104	86-115
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	<1	101	83-118
m,p-Xylene	ug/L (ppb)	100	<2	106	78-125
o-Xylene	ug/L (ppb)	50	<1	99	84-119
Styrene	ug/L (ppb)	50	<1	104	86-121
Isopropylbenzene	ug/L (ppb)	50	<1	103	86-120
Bromoform	ug/L (ppb)	50	<1	100	75-129
n-Propylbenzene	ug/L (ppb)	50	<1	101	83-119
Bromobenzene	ug/L (ppb)	50	<1	101	80-115
1,3,5-Trimethylbenzene	ug/L (ppb)	50	<1	104	82-124
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	<1	104	78-120
1,2,3-Trichloropropane	ug/L (ppb)	50	<1	97	81-114
2-Chlorotoluene	ug/L (ppb)	50	<1	100	10-250
4-Chlorotoluene	ug/L (ppb)	50	<1	101	46-160
tert-Butylbenzene	ug/L (ppb)	50	<1	105	83-122
1,2,4-Trimethylbenzene	ug/L (ppb)	50	<1	106	83-122
sec-Butylbenzene	ug/L (ppb)	50	<1	102	82-121
p-Isopropyltoluene	ug/L (ppb)	50	<1	101	81-122
1,3-Dichlorobenzene	ug/L (ppb)	50	<1	96	82-113
1,4-Dichlorobenzene	ug/L (ppb)	50	<1	93	79-111
1,2-Dichlorobenzene	ug/L (ppb)	50	<1	98	81-113
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	<10	89	71-126
1,2,4-Trichlorobenzene	ug/L (ppb)	50	<1	98	74-120
Hexachlorobutadiene	ug/L (ppb)	50	<1	83	63-120
Naphthalene	ug/L (ppb)	50	<1	109	79-132
1,2,3-Trichlorobenzene	ug/L (ppb)	50	<1	98	75-121

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/08/14

Date Received: 03/28/14

Project: 391517568A Wishkah Road, PO C01310621, F&BI 403440

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR VOLATILES BY EPA METHOD 8260C**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	ug/L (ppb)	50	107	103	69-134	4
Chloromethane	ug/L (ppb)	50	97	94	68-126	3
Vinyl chloride	ug/L (ppb)	50	98	95	72-124	3
Bromomethane	ug/L (ppb)	50	132	130	48-175	2
Chloroethane	ug/L (ppb)	50	103	99	69-133	4
Trichlorofluoromethane	ug/L (ppb)	50	95	93	77-127	2
Acetone	ug/L (ppb)	250	98	97	52-138	1
1,1-Dichloroethene	ug/L (ppb)	50	97	95	78-119	2
Methylene chloride	ug/L (ppb)	50	108	108	71-119	0
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	106	104	81-118	2
trans-1,2-Dichloroethene	ug/L (ppb)	50	105	104	82-116	1
1,1-Dichloroethane	ug/L (ppb)	50	104	103	81-116	1
2,2-Dichloropropane	ug/L (ppb)	50	116	118	74-138	2
cis-1,2-Dichloroethene	ug/L (ppb)	50	110	107	82-116	3
Chloroform	ug/L (ppb)	50	101	100	75-121	1
2-Butanone (MEK)	ug/L (ppb)	250	114	111	64-136	3
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	101	98	81-113	3
1,1,1-Trichloroethane	ug/L (ppb)	50	103	101	84-117	2
1,1-Dichloropropene	ug/L (ppb)	50	104	102	82-117	2
Carbon tetrachloride	ug/L (ppb)	50	105	103	85-119	2
Benzene	ug/L (ppb)	50	104	102	81-113	2
Trichloroethene	ug/L (ppb)	50	97	96	82-110	1
1,2-Dichloropropane	ug/L (ppb)	50	100	98	85-114	2
Bromodichloromethane	ug/L (ppb)	50	95	93	81-118	2
Dibromomethane	ug/L (ppb)	50	94	92	84-115	2
4-Methyl-2-pentanone	ug/L (ppb)	250	110	106	39-185	4
cis-1,3-Dichloropropene	ug/L (ppb)	50	106	103	85-127	3
Toluene	ug/L (ppb)	50	107	105	85-112	2
trans-1,3-Dichloropropene	ug/L (ppb)	50	107	102	87-123	5
1,1,2-Trichloroethane	ug/L (ppb)	50	99	96	84-114	3
2-Hexanone	ug/L (ppb)	250	116	110	77-127	5
1,3-Dichloropropane	ug/L (ppb)	50	101	98	84-114	3
Tetrachloroethene	ug/L (ppb)	50	100	98	78-117	2
Dibromochloromethane	ug/L (ppb)	50	101	99	88-121	2
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	101	98	85-115	3
Chlorobenzene	ug/L (ppb)	50	99	96	83-112	3
Ethylbenzene	ug/L (ppb)	50	106	103	85-116	3
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	101	100	86-116	1
m,p-Xylene	ug/L (ppb)	100	108	105	84-119	3
o-Xylene	ug/L (ppb)	50	98	98	85-118	0
Styrene	ug/L (ppb)	50	105	102	85-120	3
Isopropylbenzene	ug/L (ppb)	50	105	103	86-120	2
Bromoform	ug/L (ppb)	50	99	97	83-128	2
n-Propylbenzene	ug/L (ppb)	50	105	101	82-120	4
Bromobenzene	ug/L (ppb)	50	103	100	79-116	3
1,3,5-Trimethylbenzene	ug/L (ppb)	50	106	103	83-122	3
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	103	100	79-120	3
1,2,3-Trichloropropane	ug/L (ppb)	50	96	95	69-124	1
2-Chlorotoluene	ug/L (ppb)	50	102	98	82-115	4
4-Chlorotoluene	ug/L (ppb)	50	103	100	83-117	3
tert-Butylbenzene	ug/L (ppb)	50	108	104	82-123	4
1,2,4-Trimethylbenzene	ug/L (ppb)	50	108	106	82-122	2
sec-Butylbenzene	ug/L (ppb)	50	105	103	81-122	2
p-Isopropyltoluene	ug/L (ppb)	50	105	103	81-123	2
1,3-Dichlorobenzene	ug/L (ppb)	50	96	94	82-114	2
1,4-Dichlorobenzene	ug/L (ppb)	50	93	91	80-111	2
1,2-Dichlorobenzene	ug/L (ppb)	50	96	95	81-112	1
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	90	91	78-120	1
1,2,4-Trichlorobenzene	ug/L (ppb)	50	98	99	74-120	1
Hexachlorobutadiene	ug/L (ppb)	50	96	95	71-118	1
Naphthalene	ug/L (ppb)	50	109	108	74-132	1
1,2,3-Trichlorobenzene	ug/L (ppb)	50	99	98	70-124	1

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 - Analyte present in the blank and the sample.

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 - Analysis performed outside the method or client-specified holding time requirement.

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 - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

403440

SAMPLE CHAIN OF CUSTODY ME 03-28-14

VI/CIS/VS3
Page # 1 of 2

Send Report To Tyler Henningsen
 Company AMEC
 Address 221 S. 28th St Ste 102
 City, State, ZIP Tacoma, WA 98402
 Phone # 425-368-1931 Fax # 425-368-1003

SAMPLERS (signature) Tyler Henningsen
 PROJECT NAME/NO. Withkoh Road PO# CO1310621
 391517568A
 REMARKS

TURNAROUND TIME
 Standard (2 Weeks)
 RUSH
 Rush charges authorized by _____
 SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	ANALYSES REQUESTED										Notes	
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	Lead	HCFD				
SS-01	01A-I	3/28/14	0920	Soil	9	X	X	X	X			X	X				Hold lead/ba/Pb for H.C.
SS-02	02T		0950		9				X								"
SS-03	03A-F		1017		6												Hold Cr/BTEX/Cu for H.C.
SS-04	04T		1028		6												
SS-05	05		1050		6												
SS-06	06		1120		6												
SS-07	07		1135		6												
SS-08	08A-F		1145		8												
SS-09	09A-F		1105		9				X								Hold Lead/Cr/BTEX/Cu for H.C.
SS-10	10A-F		1215		6												Hold Cr/IDTEX/Cu for H.C.

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044
 FORMS\COC\COC.DOC

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: <u>Tyler Henningsen</u>	Tyler Henningsen	AMEC	3/29/14	1610
Received by: <u>D. J. ...</u>	D. J. ...	F&BI	11	11
Relinquished by:				
Received by:				

Samples received at 2°C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Kurt Johnson, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

April 11, 2014

Tyler Henningsen, Project Manager
AMEC Environment & Infrastructure, Inc.
221 S 28th Street, Suite 102
Tacoma, WA 98402

Dear Mr. Henningsen:

Included are the results from the testing of material submitted on March 28, 2014 from the 391517568A Wishkah Road, PO C01310621, F&BI 403440 project. There are 11 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
AMC0411R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on March 28, 2014 by Friedman & Bruya, Inc. from the AMEC Environment & Infrastructure 391517568A Wishkah Road, PO C01310621, F&BI 403440 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>AMEC Environment & Infrastructure</u>
403440 -01	SS-01
403440 -02	SS-02
403440 -03	SS-03
403440 -04	SS-04
403440 -05	SS-05
403440 -06	SS-06
403440 -07	SS-07
403440 -08	SS-08
403440 -09	SS-09
403440 -10	SS-10
403440 -11	Dup-01
403440 -12	Trip Blank

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	SS-03	Client:	AMEC Environment & Infrastructure
Date Received:	03/28/14	Project:	391517568A Wishkah Road
Date Extracted:	04/08/14	Lab ID:	403440-03
Date Analyzed:	04/09/14	Data File:	403440-03.050
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm) Dry Weight	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	84	60	125

Analyte:	Concentration mg/kg (ppm)
Lead	603

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	SS-04	Client:	AMEC Environment & Infrastructure
Date Received:	03/28/14	Project:	391517568A Wishkah Road
Date Extracted:	04/08/14	Lab ID:	403440-04
Date Analyzed:	04/09/14	Data File:	403440-04.052
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm) Dry Weight	Operator:	AP

Internal Standard:	% Recovery:	Lower	Upper
Holmium	90	Limit:	Limit:
		60	125

Analyte:	Concentration
	mg/kg (ppm)
Lead	12.0

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	SS-05	Client:	AMEC Environment & Infrastructure
Date Received:	03/28/14	Project:	391517568A Wishkah Road
Date Extracted:	04/08/14	Lab ID:	403440-05
Date Analyzed:	04/09/14	Data File:	403440-05.053
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm) Dry Weight	Operator:	AP

Internal Standard:	% Recovery:	Lower	Upper
Holmium	90	Limit:	Limit:
		60	125

Analyte:	Concentration
	mg/kg (ppm)
Lead	223

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	SS-06	Client:	AMEC Environment & Infrastructure
Date Received:	03/28/14	Project:	391517568A Wishkah Road
Date Extracted:	04/08/14	Lab ID:	403440-06
Date Analyzed:	04/09/14	Data File:	403440-06.054
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm) Dry Weight	Operator:	AP

Internal Standard:	% Recovery:	Lower	Upper
Holmium	80	Limit:	Limit:
		60	125

Analyte:	Concentration
	mg/kg (ppm)
Lead	80.7

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	SS-07	Client:	AMEC Environment & Infrastructure
Date Received:	03/28/14	Project:	391517568A Wishkah Road
Date Extracted:	04/08/14	Lab ID:	403440-07
Date Analyzed:	04/09/14	Data File:	403440-07.055
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm) Dry Weight	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	82	60	125

Analyte:	Concentration mg/kg (ppm)
Lead	208

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	SS-08	Client:	AMEC Environment & Infrastructure
Date Received:	03/28/14	Project:	391517568A Wishkah Road
Date Extracted:	04/08/14	Lab ID:	403440-08
Date Analyzed:	04/09/14	Data File:	403440-08.056
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm) Dry Weight	Operator:	AP

Internal Standard:	% Recovery:	Lower	Upper
Holmium	88	Limit:	Limit:
		60	125

Analyte:	Concentration
	mg/kg (ppm)
Lead	260

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	SS-10	Client:	AMEC Environment & Infrastructure
Date Received:	03/28/14	Project:	391517568A Wishkah Road
Date Extracted:	04/08/14	Lab ID:	403440-10
Date Analyzed:	04/09/14	Data File:	403440-10.057
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm) Dry Weight	Operator:	AP

Internal Standard:	% Recovery:	Lower	Upper
Holmium	84	Limit:	Limit:
		60	125

Analyte:	Concentration
	mg/kg (ppm)
Lead	72.3

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	AMEC Environment & Infrastructure
Date Received:	Not Applicable	Project:	391517568A Wishkah Road
Date Extracted:	04/08/14	Lab ID:	I4-216 mb
Date Analyzed:	04/09/14	Data File:	I4-216 mb.041
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm) Dry Weight	Operator:	AP

Internal Standard:	% Recovery:	Lower	Upper
Holmium	95	Limit:	Limit:
		60	125

Analyte:	Concentration
	mg/kg (ppm)
Lead	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/11/14

Date Received: 03/28/14

Project: 391517568A Wishkah Road, PO C01310621, F&BI 403440

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL METALS USING EPA METHOD 200.8**

Laboratory Code: 404136-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Lead	mg/kg (ppm)	50	1,030	0 b	0 b	59-148	0 b

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	mg/kg (ppm)	50	105	80-120

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 - Analyte present in the blank and the sample.

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 - Analysis performed outside the method or client-specified holding time requirement.

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 - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

403440

SAMPLE CHAIN OF CUSTODY ME 03-28-14

VI/CIS/VS3
Page # 1 of 2

Send Report To Tyler Henningsen
 Company AMEC
 Address 221 S. 28th St Ste 102
 City, State, ZIP Tacoma, WA 98402
 Phone # 425-368-1931 Fax # 425-368-1003

SAMPLERS (signature) Tyler Henningsen
 PROJECT NAME/NO. Withkoh Road PO# CO1310621
 391517568A
 REMARKS

TURNAROUND TIME
 Standard (2 Weeks)
 RUSH
 Rush charges authorized by _____
 SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	ANALYSES REQUESTED										Notes	
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	Lead	HCFD				
SS-01	01A-I	3/28/14	0920	Soil	9	X	X	X	X			X	X				Hold lead/ba/Pb for H.C.
SS-02	02T		0950		9				X								"
SS-03	03A-F		1017		6												Hold Cr/BTEX/Cd for H.C.
SS-04	04T		1028		6												
SS-05	05		1050		6												
SS-06	06		1120		6												
SS-07	07		1135		6												
SS-08	08A-F		1145		8												
SS-09	09A-F		1105		9				X								Hold Lead/Cr/BTEX/Cd for H.C.
SS-10	10A-F		1215		6												Hold Cr/IDTEX/Cd for H.C.

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044
 FORMS\COC\COC.DOC

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: <u>Tyler Henningsen</u>	Tyler Henningsen	AMEC	3/29/14	1610
Received by: <u>D. J. ...</u>	D. J. ...	F&BI	11	11
Relinquished by:				
Received by:				

Samples received at 2°C

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APPENDIX J

Standard Limitations

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LIMITATIONS

1. The work performed in the preparation of this report and the conclusions presented are subject to the following:
 - (a) The Standard Terms and Conditions which form a part of our Professional Services Contract;
 - (b) The Scope of Services;
 - (c) Time and Budgetary limitations as described in our Contract; and
 - (d) The Limitations stated herein.
2. No other warranties or representations, either expressed or implied, are made as to the professional services provided under the terms of our Contract, or the conclusions presented.
3. The conclusions presented in this report were based, in part, on visual observations of the Site and attendant structures. Our conclusions cannot and are not extended to include those portions of the Site or structures, which are not reasonably available, in AMEC's opinion, for direct observation.
4. The environmental conditions at the Site were assessed, within the limitations set out above, having due regard for applicable environmental regulations as of the date of the inspection. A review of compliance by past owners or occupants of the Site with any applicable local, provincial or federal by-laws, orders-in-council, legislative enactments and regulations was not performed.
5. The Site history research included obtaining information from third parties and employees or agents of the owner. No attempt has been made to verify the accuracy of any information provided, unless specifically noted in our report.
6. Where testing was performed, it was carried out in accordance with the terms of our contract providing for testing. Other substances, or different quantities of substances testing for, may be present on Site and may be revealed by different or other testing not provided for in our contract.
7. Because of the limitations referred to above, different environmental conditions from those stated in our report may exist. Should such different conditions be encountered, AMEC must be notified in order that it may determine if modifications to the conclusions in the report are necessary.
8. The utilization of AMEC's services during the implementation of any remedial measures will allow AMEC to observe compliance with the conclusions and recommendations contained in the report. AMEC's involvement will also allow for changes to be made as necessary to suit field conditions as they are encountered.
9. This report is for the sole use of the party to whom it is addressed unless expressly stated otherwise in the report or contract. Any use which any third party makes of the report, in whole or the part, or any reliance thereon or decisions made based on any information or conclusions in the report is the sole responsibility of such third party. AMEC accepts no responsibility whatsoever for damages or loss of any nature or kind suffered by any such third party as a result of actions taken or not taken or decisions made in reliance on the report or anything set out therein.
10. This report is not to be given over to any third party for any purpose whatsoever without the written permission of AMEC.
11. Provided that the report is still reliable, and less than 12 months old, AMEC will issue a third-party reliance letter to parties that the client identifies in writing, upon payment of the then current fee for such letters. All third parties relying on AMEC's report, by such reliance agree to be bound by our proposal and AMEC's standard reliance letter. AMEC's standard reliance letter indicates that in no event shall AMEC be liable for any damages, howsoever arising, relating to third-party reliance on AMEC's report. No reliance by any party is permitted without such agreement.

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APPENDIX K

Resumes of Environmental Professionals

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Tyler Henningsen

Staff Scientist

Professional summary

Mr. Henningsen has diverse environmental consulting experience in project work including environmental site assessments, subsurface investigations, and remediation of environmental contamination. Mr. Henningsen has completed and coordinated Phase I ESA projects nationwide, conducted field work overseeing investigation activities, and coordinated monthly and quarterly sampling of surface and groundwater for multiple clients. He has been involved with emergency response to multiple train derailments. His background is in public service and environmental education and outreach. This experience has included daily sampling of a municipal drinking water system. He has also performed environmental education and outreach.

Professional qualifications/registration(s)

OSHA 40-hour HAZWOPER

OSHA 8-hour Refresher, 2013

Universal/Hazardous Waste Handler & DOT Hazardous Materials Compliance Training, 2011

CSX Contractor Safety & Roadway Worker Protection, 2012

e-RAILSAFE Training, 2012

AHERA Building Inspector, 2013

Education

BS, Biology, Westmont College, Santa Barbara, California, USA, 2002

MA, Environmental Science, University College Dublin, Dublin, Ireland, 2006

Employment history

AMEC, Tacoma, Washington, Staff Scientist, 2012-present

AMEC (formerly MACTEC Engineering & Consulting, Inc.), Environmental Scientist, Lexington, Kentucky, 2010-2012

University of Kentucky Cooperative Extension Service, Environment and Natural Resources Issues Assistant, Lexington, Kentucky, 2009-2010

New York City Department of Environmental Protection, Scientist (Water Ecology) II, Corona, New York, 2008-2009

Environmental Planning & Management, Inc. (EPM), Environmental Scientist, Lake Success, New York, 2007-2008

Representative projects

Investigation and Data Management, Lonza (formerly Arch Chemicals, Inc.), Brandenburg, KY

2009 to 2012. Provide in-depth data analysis, corrections and representations for transducer data collected from multiple locations at this industrial facility, and perform water quality data analysis on extensive package of analytical data. Oversaw onsite investigation activities, including soil and surface water sampling as part of the completion of the RFI stage of RCRA investigation, which included work in Level B PPE. Conducted quarterly data collection and maintain network of pressure transducers throughout the facility.

Data Management and Statistical Analysis of Landfill Water Quality Data, Central Kentucky

2010 to 2013. Provided data collection, data management and statistical analysis services to multiple Municipal and Power Company owners of landfills in Central Kentucky. Responsible for compiling data into usable tables and graphs, and running statistical analyses to determine prediction limits from background data, control limits for the downgradient wells, and trend analyses to evaluate concentration trends over time.

Investigation and Remediation of Historic Manufacturing Activities, Robert Bosch Tool Company, Leitchfield, KY

2012. Participated in field investigations to determine extent of soil and groundwater contamination related to historical manufacturing activities onsite, utilizing ColorTec method and collecting soil and groundwater samples. Conducted soil vapor sampling of adjacent properties to determine potential vapor encroachment threats. Oversaw onsite remediation of contaminated groundwater utilizing the injection of trap and treat materials.

Due Diligence, National Portfolio Services, Confidential Client, Nationwide

2010 to present. Coordinate, conduct and write Phase I Environmental Site Assessments (ESAs) as part of a nation-wide portfolio program which has included over 100 projects to date. Responsibilities also include coordination of site geotechnical investigations and asbestos surveys performed by local office resources, client communication, proposal costing and work order preparation, purchase requisitions of subcontracted services and, and preparation of Phase I ESAs where the site visit has been conducted by others.

Due Diligence, National PCA Portfolio Services, Confidential Client, Nationwide

2012. Managed SharePoint site for coordination and production of 146 Property Condition Assessments (PCAs) in a five week period, as part of a portfolio project for the Client. Conducted and summarized all building and fire code requests as part of the report preparation. Coordinated and tracked all reports through completion. Performed quality check on all reports and produced finalized reports. Ensured delivery of all reports to Client and third-party.

Due Diligence, International Portfolio Services, Confidential Client, Nationwide and International

2010 to present. Performed due diligence research and records reviews for Merger & Acquisition projects across the country. Projects have involved more than 10 companies at approximately 120 locations throughout the United States, Mexico, and Canada. In addition to performing standard Phase I ESAs, conducts research through EDR OnDemand and other database products to develop client-specific matrices used to evaluate risk and exposure at individual sites. Received the MACTEC CEO award in December 2010 for work on ABB's \$3.4 billion acquisition of Thomas Betts. Due to secrecy concerns because both companies were publicly traded, all environmental due diligence for this project was conducted in a two week period.

Due Diligence, National Portfolio Services, CSX Transportation, Nationwide

2012. Conduct Lease Environmental Reviews in multiple states for client to determine any environmental impacts that lessee activities may have on their properties. Responsibilities include reviewing state and federal environmental records, conducting site reconnaissance, and preparing reports.

Investigation and remediation of Chromium Release, Hitachi, Berea, KY

2011 to 2012. Conducted field investigation to determine extent and degree of impact of chromium release from a manufacturing facility. Conducted soil and sediment sampling along three miles of offsite streams, as well as onsite sampling of groundwater seeps and storm water samples.

Response to engine derailment and diesel release, CSX Transportation, Louisville, KY

2012. Emergency response to train derailment and spill of diesel fuel. Assisted in onsite oversight of cleanup, capture of spilled product, and assessment of contamination pathways.

Response to derailment and release of ethanol, Rail America, Oakland City, IN

2012. Emergency response to train derailment and release of ethanol and gluten to an intermittent wetland adjacent to a stream. Determined extent of spill, monitored water quality of adjacent stream to ensure no impacts to biological receptors, collected soil samples for clean fill and impacted soils related to planned dig and haul remediation of the site.

Landfill and stormwater monitoring and consulting, Lexington-Fayette Urban County Government, Lexington, KY

2010 to 2012. Oversee and coordinate monthly and quarterly NPDES surface water, and groundwater sampling of the Haley Pike Landfill, as well as quarterly monitoring of NPDES Stormwater discharge points throughout Lexington. Prepare purchase requisitions for laboratory analysis. Analyze laboratory data and prepare reports and State forms. Conducted watershed delineation and prepared maps for Haley Pike Landfill for use in determining contribution to NPDES discharge points. Conducted in-depth analysis of historical information related to a closed landfill and potential for residual contamination releases.

Asbestos inspections of public schools, New York City School Construction Authority, New York City, NY

Prior Firm Experience. 2007 to 2008. Conducted site investigation and asbestos sampling in preparation for school construction activities at multiple school facilities throughout the New York City area. Analyzed sampling data, as well as historic records to produce Asbestos Survey & Design Reports.

Publications and presentations

- “HENV-101: Household Waste Management – Reduce.” Henningsen T; Osborne A; Lee B. Cooperative Extension Service, University of Kentucky College of Agriculture, Lexington, KY. 2010. Available at <http://www.ca.uky.edu/agc/pubs/henv/henv101/henv101.pdf>
- “HENV-102: Household Waste Management – Reuse.” Henningsen T; Osborne A; Lee B. Cooperative Extension Service, University of Kentucky College of Agriculture, Lexington, KY. 2010. Available at <http://www.ca.uky.edu/agc/pubs/henv/henv102/henv102.pdf>
- “HENV-103: Household Waste Management – Recycle.” Henningsen T; Osborne A; Lee B. Cooperative Extension Service, University of Kentucky College of Agriculture, Lexington, KY. 2010. Available at <http://www.ca.uky.edu/agc/pubs/henv/henv103/henv103.pdf>
- “HENV-104: Household Waste Management – Hazardous Waste.” Henningsen T; Osborne A; Lee B. Cooperative Extension Service, University of Kentucky College of Agriculture, Lexington, KY. 2010. Available at <http://www.ca.uky.edu/agc/pubs/henv/henv104/henv104.pdf>
- “HENV-201: Building a Rain Barrel.” Agouridis C; Osborne A; Henningsen T; Turpin R; Hoffman O. Cooperative Extension Service, University of Kentucky College of Agriculture, Lexington, KY. 2010. Available at <http://www.ca.uky.edu/agc/pubs/henv/henv201/henv201.pdf>
- “HENV-703: Saving Energy and Money – Appliances.” Henningsen T; Osborne A. Cooperative Extension Service, University of Kentucky College of Agriculture, Lexington, KY. 2010. Available at <http://www.ca.uky.edu/agc/pubs/henv/henv703/henv703.pdf>
- “Kentucky Well Education website (inactive).” Henningsen T; Beck E; Lee B. Cooperative Extension Service, University of Kentucky College of Agriculture, Lexington, KY. 2010.

Meg Strong, LG., LHG

Principal Geologist / Hydrogeologist

Professional summary

Ms. Strong has over 22 years experience managing, investigating, and providing strategy for corporate environmental issues. Her experience includes resource planning, site investigation, remediation, management of environmental mitigation measures and monitoring activities, and management of Brownfield redevelopment. She is the client manager for an international client and as such has been the project manager or senior reviewer on dozens of overseas projects.

Ms. Strong has international work experience, including on-site management of projects in the United Kingdom (UK), Hong Kong, and the United States (US).

Environmental site assessments

Ms. Strong has undertaken numerous Phase I environmental site assessments (ESAs) on commercial, industrial and retail properties. She has designed and managed Phase II site investigations for assessment and remedial design on mining, manufactured gas and coking works, railway yards, gas stations, tank storage areas and landfills. These involved a range of contaminants, including petroleum hydrocarbons, heavy metals, dioxins, mercury, cyanide, chlorinated volatile organic compounds, pesticides, and PCB's in soil, sediment, groundwater and ground gas. Ms. Strong has also managed the removal and remediation of numerous underground storage tank sites. Work has been undertaken in accordance with state and federal legislation.

Soil and groundwater remediation

Ms. Strong has project managed the remediation of sewage farm sludge, fly ash lagoons, manufactured gas works, coal mines, gas stations, industrial properties and Federal facilities. She has been involved in the design of groundwater pump and treat systems, clay walls, excavation and disposal contracts, accelerated natural attenuation in groundwater, air sparge, clean cover break layer and encapsulation. She has worked in accordance with Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Resource Conservation and Recovery Act (RCRA), the States of Alaska, Alabama, California, Oregon, and Washington and U.K. environmental regulations. Ms. Strong has regulatory negotiation experience that is used to ensure smart approaches to the planning of investigations and remediation. She has closed numerous sites under Washington State's Voluntary Cleanup Program (VCP) and worked under agreed orders and achieved No Further Action status with or without institutional controls.

Construction activities

Ms. Strong has project managed the handling and disposal of impacted soils from numerous construction sites. She has undertaken: oversight of work, clearance sampling, soil and disposal characterization, site water management and pollution prevention.

Brownfield redevelopment

Ms. Strong has been the project manager on two large Brownfield contracts and a sub-contractor on one Brownfield project in the U.K. with values of up to \$3 million. These involved coordination of planning personnel, engineers, regulatory authorities, architects and regular liaison with the investors.

Environmental management

Ms. Strong managed all environmental aspects of the Ting Kau Bridge (Hong Kong) construction project as the environmental compliance manager. Ms. Strong is also the client manager for an international industrial manufacturing client and is currently managing projects in the U.K., Canada, and the US.

Sustainability

Ms. Strong has been closely involved in her communities contributing significant time to various organizations as follows:

- Royal Institute of Chartered Surveyors Environment Facility – World Board Member representing the American continent for five years in early 2000's Attended annual board meetings in London and contributed articles to the quarterly magazine. Provided input on proposed UK environmental and planning regulations.
- Royal Institute of Chartered Surveyors Americas Environment Facility representative; early 2000's.
- North West Environmental Education Council – Board Member; 2002 to 2008. Helped establish the non-profit organisation structure and worked on numerous initiatives to develop environmental education for the public, children and industry professionals.
- Women in Environment (Seattle) – Founding Member; 2010 to present A non-profit group focused on providing networking and mentoring opportunities for women in the environmental fields.
- North West Environmental Business Council – Committee Member;.2009 to present. Organised numerous presentations on a variety of topical subjects and was heavily involved in organizing two conferences (brownfields and stormwater).

Professional qualifications/registrations

Licensed Geologist/Hydrogeologist, WA No.1989, 2002
Chartered Surveyor, London, U.K, 2000.

Education

M.Sc., Exploration Geology, University College, Dublin, Ireland, 1989
B.Sc., Applied Geology, Plymouth Polytechnic, Plymouth, U.K., 1988

Memberships/Affiliations

Northwest Environmental Business Council
Royal Institution of Chartered Surveyors, London, U.K.

Employment history

AMEC, Principal, Bothell, WA, 2012 to present
AMEC, Senior Associate, Bothell, WA, 2007 to 2012
AMEC, Associate, Kirkland, WA, 2000 to 2006
Philip Wilbourn and Associates, Director, Sheffield, Yorkshire, U.K., 1998 to 2000
Quest Technical Services, Manager, London, U.K., 1997 to 1998
Ting Kau Contractors, Environmental Compliance Manager, Hong Kong, 1995 to 1997
Johnson, Poole and Bloomers, Project Manager, Chesterfield, U.K., 1990 to 1994
Scott Wilson Kirkpatrick, Geologist, Chesterfield, U.K., 1989 to 1990

Representative projects

Soil and groundwater remediation projects

Kenyon Street Bus Yard, City of Seattle Public Utility, Seattle, WA

2007 to present. Principal-in-charge and technical lead for regulatory issues on the remedial investigation and feasibility study of a property with former site operations which include a of a property with former site operations which include a wrecking yard, a motor coach repair and storage facility, and a foundry. During the investigation, cement kiln dust (CKD) was discovered to be buried below a portion of the Site. The CKD contains high levels of arsenic, lead, and cadmium, as well as, elevated pH levels. In addition to the CKD, petroleum compounds were detected in the site soil and

groundwater.

Work prior to remediation also included development of the remediation design and contract specifications to implement a soil removal action on the Site. Dig and haul was the selected remedy for the Site. Project-specific issues addressed in the remediation design include: building demolition; installation of vertical shoring walls; Washington Department of Ecology-approved pre-construction confirmation soil borings; wet soil excavation with saturated, contaminated soil management; and disposal of an estimated 27,000 cubic yards of contaminated soil. Current work comprises negotiating with State regulators for groundwater closure.

Trico Torrance Facility, Confidential Industrial Manufacturer, Trico, CA

2005 to present. Ms. Strong is the client manager for this manufacturing site. Currently the consent decree on the site is being negotiated as the site is located between two superfund facilities and contaminated with chlorinated volatile organic compounds. Ms. Strong is providing support for the negotiations, and for further investigation of soil, soil gas and groundwater.

East Marginal Way S, Confidential Industrial Manufacturer, Tukwila, WA

2004 to present. Ms. Strong is the principal-in-charge for the remediation of a former truck manufacturing facility contaminated with chlorinated volatile organic compounds, petroleum hydrocarbons and metals, located adjacent to the Duwamish River (designated as a superfund site). Ms. Strong negotiated with Washington State Department of Ecology for an agreed order for the uplands and worked in conjunction with other consultants to negotiate the agreed order for the in-water sediments. The project work consists of multiple tasks, including: writing the remedial investigation, feasibility study, and cleanup action plan report; evaluation of risk based cleanup approach for the upland soil along with vapor modeling; assessment of the integrity of the stormwater system; design and bid of a cured-in-place pipe lining to prevent infiltration of contaminated groundwater; sampling of sediments from the system; a comprehensive site wide groundwater sampling; tidal influence assessment; and assessing impact to sediments.

Monroe Correctional Center, Washington State Department of Corrections, Monroe, WA

2013 to present. Ms. Strong organized an emergency response to a diesel spill at one of the Correctional Center's fueling facility. After diesel was identified on the adjacent river, Ms. Strong assisted in identifying the source of the spill and delineating the limits of the contamination. As an initial response action, Ms. Strong provided a simple system design that would reduce the spill impact, ensure that treated water was minimized, and enable time to design a remedial action. The multi-disciplinary team working is managed by Ms. Strong as principal-in-charge. The work included generating plans for the relocation of the steam plant backup propane system and associated permitting; installing a temporary stormwater treatment system; working with a second consultant who designed a permanent stormwater by-pass; generating the plans and specification to bid the project to a contractor; and managing the remediation contractor.

Public Safety Building, City of Kirkland, Kirkland, WA

2008 to present. Ms. Strong is the principal-in-charge for a soil and groundwater hydrocarbon contamination investigation and geotechnical inspection construction project. Ms. Strong designed the site investigation to delineate the extent of the contamination and worked with the City's project management team to stage construction to enable the contamination to be addressed. During construction activities, she managed environmental and geotechnical staff to identify the limits of contamination and ensure the material could be replaced when required.

Confidential Site, Confidential Client, Bellevue, WA

2010 to present. Ms. Strong is providing support to her client in the third party management of an investigation to assess the extent of chlorinated volatile organic compound contamination in soil, soil

gas, and groundwater. Ms. Strong reviews work plans from other consultants and oversees field activities as the client representative. She also provides advice on the placement of wells and proposed remedial activities.

Ota Farm, Sumner, WA

2011 to present. Ms. Strong assisted the initial client with the environmental due diligence associated with the sale of the property. Hydrocarbon contaminated soil and groundwater was identified during the investigation and Ms. Strong provided a strategy for rapid remediation of the site. The purchaser then engaged Ms. Strong to design and implement the remediation around the site construction. Soil vapor intrusion modeling was undertaken and a remediation strategy proposed that would meet the new owner's requirement for site redevelopment in less than one year. Since significant surcharge was to be placed on the site prior to construction, the contaminated soil was excavated before placement of the fill and a variance was approved by Washington State Department of Ecology to allow the monitoring wells not to be completed until after surcharge was removed. Groundwater remediation was conducted using the monitoring wells and quarterly sampling commenced immediately on completion of the remediation. The State requires a minimum of four quarters of groundwater samples that are below the regulatory limits to achieve a NFA status. Remediation commenced in February 2013 and the third quarter sampling event will be in September 2013.

Mukilteo School District Service Center Facility Spill Response, Mukilteo, WA

2010 to 2011. Ms. Strong was the principal-in-charge, organizing an emergency response to a diesel spill at the school district's service center facility. After diesel was identified sheet flowing across the road and into a storm water detention facility, AMEC assisted the school district in removing diesel contaminated soil and diesel product from the surface of the storm water. The storm water detention pond discharged to wetlands therefore, no sheen is permitted to exit the pond. Subsequent to the removal of much of the diesel contamination, Ms. Strong worked with the regulators to implement a cost effective, simple, remedial solution to remove the sheen and prevent diesel entering the wetlands. During design of the permanent sheen removal system, AMEC organized a temporary system, approved by the regulators, to manage significant storm water flow over the last two months. The final design comprised a set of ultra urban filters installed on the exterior of the outfall of the storm water pond. The filters removed hydrocarbons as the water exited the pond. The system was approved by the regulators and has been effective at preventing hydrocarbons entering the wetlands since installation.

Kamiakin Middle School, Lake Washington School District, Kirkland, WA

2012 to 2013. In response to a spill from an underground storage tank, Ms. Strong organized the team to mitigate the impacts of the spill. The work entailed, installing a temporary stormwater treatment system to prevent the offsite flow and the cleanup of diesel from vegetation, a section of a stream, soil, a stormwater pond and the conveyance system. Ms. Strong as the principal in charge, met with the regulators, oversaw all phases of the remediation work, generated the natural resources damage assessment report (NRDA) and met with the State NRDA committee to provide details on the response actions and extent of the spill.

Confidential Client, Service Center, Spokane, WA

2004 to 2005. Ms. Strong compiled all previous reports undertaken at the site and collated them into a comprehensive document. The purpose of the project was to yield a complete and comprehensive deliverable to document the PCB removal work conducted at the property to facilitate negotiations with Ecology for site closure. The compilation of previous data identified a couple of items that were incomplete and AMEC visited the site to sample and fill the data gaps. On completion of site work, Ms. Strong filed the Washington Department of Ecology VCP application, provided a synopsis cover letter to Ecology and was the point person for clarification question. Through this process the site was granted a NFA status.

Fairchild Air Force Base, Spokane, WA

2003 to 2008. Ms. Strong was the project manager for the investigation of four underground storage tank locations and site closure of three of the locations. The work comprises preparation of work plans, SAPs, QAPs and Health and Safety plans. Ms. Strong managed preparation of the Remedial Action Plan, oversight of groundwater monitoring, risk assessment, and reporting. On-going remediation to achieve site closure was managed by Ms. Strong. The project was undertaken in association with the Air Force Center of Environmental Excellence.

Ex-Trico Facility, Confidential Industrial Manufacturer, Citronelle, AL

2003 to 2004. Ms. Strong was the project manager for the Risk Based Corrective Action (RBCA) closure of a former industrial site. Ms. Strong oversaw the preparation of the Data Analysis Plan and the siting of new groundwater monitoring wells. Following sampling, a Tier 1 and 2 RBCA was prepared and submitted to the Alabama Department of Environmental Quality. The RBCA was accepted by the state and the site closed.

Orting Middle School, Orting School District, WA

2003 to 2007. Ms. Strong was the project manager assisting Orting School District with locating a new site for their middle school by evaluating the environmental risk associated with various candidate building sites. A 100-acre contaminated site was selected and purchased at a reduced cost based on Ms. Strong's recommendations. Ms. Strong designed an extensive Phase II investigation to determine the lateral and vertical extent of gasoline and diesel soil and groundwater contamination at that site. She designed the remediation, wrote the cleanup action plan and specifications, and managed the remediation, permits and health and safety requirements. In advance of the remediation, Ms. Strong assisted the school district in obtaining a grant to recoup some of the remediation activity costs. Remediation consisted of a large excavation with designed dewatering and a sparge curtain. Soil and groundwater were remediated and a no further action letter was provided for the site enabling the school district to build a new middle school on the property.

Shady Estates, Confidential Client, Renton, WA

2002. Ms. Strong wrote the sample analysis plan and achieved approval from Washington State Department of Ecology for the Phase II investigation of a former landfill. She subsequently designed a secondary Phase II and the site remediation plan. She managed the remediation and submitted the data under the VCP to achieve a NFA status.

Lacey Couplet Roundabout, City of Lacey, WA

2002. Ms. Strong was the project manager and designed the site investigation for a site Ranked #2 on the Department of Ecology Hazardous Ranking. PCE contamination has previously been detected in the soil and groundwater and the investigation was designed to determine current levels and vertical extent. Ms. Strong prepared the VCP application and achieved a NFA status for the site soil that allowed the construction of the roundabout to proceed.

U.S. Courthouse Project, J.A. Jones/Absher Joint Venture, Seattle, WA

2001 to 2002. Ms. Strong project managed a contract involving the testing for disposal of lead and petroleum hydrocarbon contaminated soil during foundation installation. She also managed the health and safety monitoring during auger rig activities on Phase I of the construction of the U.S. Courthouse in downtown Seattle, Washington.

Albertsons, Federal Way, WA

Ms. Strong project managed the site investigation, supplementary site investigation and remediation of a former gas station site currently occupied by Albertson's that was being redeveloped. The work was undertaken over the course of a year and included the collection of soil and groundwater samples, delineation of contamination and excavation of petroleum contaminated soil followed by verification testing. The site was later developed by Albertson's.

Industrial Property, Portland, OR

Ms. Strong undertook the evaluation of contamination distribution on a former manufacturing plant contaminated with pesticides, herbicides, dioxins, PCBs, metal, and phenol. The site had entered into a Consent Order with the DEQ and the analysis included the design of further site works to assess lateral and vertical distribution of contamination, human health risks, hot spot determination, and soluble mass determination.

Residential Property, LNR Affordable Housing, Wenatchee, WA

2001. Ms. Strong was the project manager for a site investigation to investigate the extent of lead and arsenic contamination. Ms. Strong then designed the remediation, including excavation of contamination, installation of a clean break layer, creation of a drainage channel, and import of clean fill. Ms. Strong then submitted an independent remedial action report to the Washington State Department of Ecology that resulted in a determination of NFA with a restrictive covenant placed on the property deed.

McNeil Island Correctional Center, Washington State Department of Corrections, Steilacoom, WA

2004. Ms. Strong provided field support locating the source of a diesel spill that impacted the Puget Sound. Working in conjunction with an escort, the stormwater system was smoked to trace connections, and cameras were used to identify a potential source. On locating the likely source, samples were sent for forensic analysis to determine if the spill and the likely source were connected.

Fuel Depot Remediation, Des Moines, WA

2003 to present. This project involves ongoing O&M for remediation of a former fuelling depot where a leak from an underground gasoline tank leads to soil and groundwater contamination. An air sparge system, vapor extraction, and groundwater pump and treat remediation system was installed in 1993. Ms. Strong was the project manager for the aquifer testing and modeling for a new remediation system comprising downhole oxygenation to accelerate natural attenuation using a new proprietary method. In addition Ms. Strong has managed the regular O&M work and semi-annual monitoring and acquired new air permits for the existing system.

Interbay, Seattle, WA

Ms. Strong managed the excavation of the soil at a former steel works where spills of cutting oils had migrated into the soil. She submitted the VCP application to the Department of Ecology to acquire a NFA status for the site and get a deed restriction removed from the deeds.

West Seattle, WA

Ms. Strong designed a site investigation for a former quarry infilled with material from an unknown source. The existing data from previous site investigations was reviewed and statistically analyzed to determine data gaps. The site investigation design included placing of monitoring wells, hollow-stem auger boreholes, and test pits.

Washington State

Ms. Strong undertook the design and management of site investigations of numerous former gas stations to install permanent monitoring wells for purpose of determining if groundwater contamination is present.

Nichols/Sidhue Property, Seattle, WA

2001. Ms. Strong project managed the removal of a home heating oil underground storage tank. Contaminated soil removal required the shoring of the property to enable excavation work to extend beneath the property. The site soil was in state compliance on completion.

Samuelson Residence, Seattle, WA

2001 Ms. Strong project managed the removal of two home heating oil tanks with extensive

associated contamination.

Brownfields redevelopment and construction

Elland Fly Ash Lagoons, Yorkshire, UK

Ms. Strong was the principal client contact and managed all phases of the project, including writing contracts and liaison with potential purchasers. The site comprised 19 acres containing two deep lagoons that had been used as settling ponds for fly ash during the operation of a power plant. Both lagoons were poorly compacted above the water table and contained contamination that potentially could migrate into an adjacent river. A site investigation was undertaken to determine the level of contaminants present in the ash, to assess the distribution and quality of the ash and coal, and determine whether clays on the site could be reused as a liner for an on site containment cell. The remedial design for the site, included excavation of the ash and coal, which was then to be sold, selling the void space for infill and containment of the contaminated ash beneath the road. Ms. Strong oversaw the remediation planning and undertook the negotiation with the Environment Agency to reach agreement that the remedial design would protect the adjacent river from potential migration and therefore, allow site development for commercial/industrial use.

Mixed-Use Development, Newcastle, UK

Ms. Strong managed the strategic planning of the 28-acre site which had previously been occupied by a manufacture gas and coking works and was originally proposed for development as a commercial/industrial park. The site was capped and had been vacant for a number of years. Ms. Strong was involved in the planning of the new development in conjunction with the investors and architects. She was nominated the client's representative and coordinated a large site investigation undertaken by sub-consultants. Ms. Strong used the findings of the site works to design a more cost effective strategy for the development of the site. Ms. Strong then oversaw the design proposals for the installation of an e-clay and bentonite funnel and gate wall to remediate benzene contaminated tidally influenced groundwater and to protect the adjacent river.

Redevelopment of a Former Coal Mine, South Wales, UK

Ms. Strong was the environmental representative on this Prince of Wales Phoenix Trust sponsored contract involving the regeneration of a former coal mine for housing. The work involved liaison with the architect and the trust to develop a cost effect strategy to deal with environmental issues. She designed and oversaw an extensive site investigation to determine site stability, ground gas, and contamination issues. A remediation design to address the issues was then presented by Ms. Strong.

Banbury, UK

Ms. Strong designed and undertook a site investigation to examine the vertical and horizon extent of contamination resulting from spreading sewage sludge. This involved surface sampling, test pits, and percussive boreholes. She then designed and oversaw the remediation of the site.

Wakefield, UK

Ms. Strong undertook the design and oversight of a combined geotechnical and environmental site investigation of a 40-acre site proposed for a major development to house an international computer company headquarters. The site had previously been mined by different techniques since the early part of the 20th century. The site was also heavily faulted both naturally and as a consequence of mining. Trenches were dug across the site to map the faults and then shallow and deep rotary holes sunk to map the underlying geology and voids associated with mining. 70 test pits were also excavated across the site to assess contamination of soil and groundwater. The information was then used to draw detailed cross sections to allow design of the foundations.

Confidential Client, Blaine, WA

2004 to 2010. Ms. Strong was the project manager assisting a client in bringing their site into

compliance with stormwater and planning regulations. Ms. Strong worked extensively with the regulators to design stormwater BMPs to upgrade the site stormwater management system and brought the site into compliance for planning and zoning impacts by construction of new exterior operation facilities and installation of new paint dip tanks.

Ting Kau Bridge and Approach Viaducts, Hong Kong

Ms. Strong was the environmental manager for the bridge and approach roads construction. Her responsibilities included managing the environmental requirements of the whole construction contract in relation to legislation and the contractual requirements. Ms. Strong reviewed all site activity scope of work and provided environmental structured amendments to the scopes to ensure that work could proceed in compliance with all permit requirements. She also compiled the Environmental Audit manual and ensured compliance through daily, weekly, and monthly monitoring. She oversaw the design and collection of compliance samples, including dust particulate, turbidity in streams, and the sea, chemical parameters of water, noise monitoring, and overseeing all site activities. Ms. Strong processed and applied for permits to ensure that the site could operate on a 24-hour basis and provided the point source for all environmental complaints against the site or activities. As part of the contractual requirements, she provided reports and liaised regularly with the client and the Environmental Protection Department.

Stoke-on-Trent, UK

Ms. Strong was the assistant resident engineer providing oversight for a 3 month geotechnical site investigation involving rotary and percussive drilling methods for a six mile stretch of the A50 highway that included fly-over and bridge investigation.

Sediment investigation projects

Anchor Cove Marina, Anchor Cove Marina Condominium Association, Anacortes, WA

2005. Ms. Strong managed the sampling of sediment for Puget Sound Dredged Disposal Analysis (PSDDA) to determine the disposal option of material from the marina. Ms. Strong worked closely with the U.S. Army Corps of Engineers—Seattle District and the material was considered acceptable with the Corps.

Point Roberts Marina, Point Roberts Marina Limited Partnership, Point Roberts, WA

2005. Ms. Strong managed the sampling of sediment in a large marina for PSDDA to determine the disposal option of material. Ms. Strong worked closely with the U.S. Army Corps of Engineers—Seattle District and the material was considered acceptable with the Corps.

Haug Channel Homeowner's Association, Seattle, WA

2001. Ms. Strong worked on the sampling analysis plan and undertook the collection of sediment samples within the Haug Channel in Lake Washington. The samples were collected from a boat using a gravity corer and analyzed for physical, chemical, and biological criteria to determine the disposal options of the dredged material. On receipt of the analytical results, Ms. Strong worked on the report for the Seattle Corp of Engineers.

Stormwater and auditing projects

I-405 Kirkland Nickel Project, Phase I, Kiewit Pacific/WSDOT, Kirkland, WA

2006 to 2008. Ms. Strong was the group manager for the team designing the stream and wetland mitigation requirements and the stormwater compliance documentation for the design portion of the project. Ms. Strong also managed the group undertaking the day-to-day stormwater compliance during the construction phase.

VA Hospital Environmental Audits, MECX under U.S. Army Veterans Affairs Contract, MO, IL, and KS

2006. Ms. Strong provided senior technical review of a comprehensive audit report prepared by

AMEC for a multi-media compliance audit of ten veteran's medical facilities located in Missouri, Kansas, and Illinois. AMEC performed third party comprehensive multimedia environmental compliance audits to determine the facilities compliance with federal, state, and local environmental requirements. Environmental media covered in the audits included air quality, ozone depleting substances (ODSs), wastewater/storm water, hazardous, and solid waste, spill prevention and control, storage tanks, emergency planning and community right-to-know, toxic substances, and regulated medical waste management. The audit report was prepared using the U.S. Army Corps of Engineers CP Track database to detail the audit findings and provide recommendations for correcting nonconforming situations.

Stormwater Infrastructure Survey-MCC, Washington State Department of Corrections, Monroe, WA

2004. Ms. Strong undertook a stormwater survey of the Monroe Correctional Center as part of a statewide survey of Department of Corrections (DOC) facilities. The survey comprised physical inspection of activities being undertaken and a review of operations to determine the likely impact on stormwater. Recommendations were submitted to DOC.

Rinker Materials, WA

Ms. Strong was the project manager for two Spill Prevention Control and Countermeasures Plan (SPCC) at asphalt plants located adjacent to major water bodies in Washington State. Both facilities store large volumes of petroleum hydrocarbons in above ground storage tanks. In addition one facility processed hydrocarbon contaminated soil. Ms. Strong inspected the facilities, the drainage routeways, and the bioswale. Following completion of the SPCC, Ms. Strong has been approached to update the plan to include the required Federal amendments for SPCC plans.

Additional training

40-Hour HAZWOPER Training, OSHA, WA, Current

8-Hour HAZWOPER Supervisor Training, OSHA, WA, Current