

**PHASE I**  
**ENVIRONMENTAL SITE ASSESSMENT REPORT**

**King County Tax Parcel Nos. 3622069065, 0121069002, and 3522069018**  
**Ravensdale, Washington**

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**For:**  
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## EXECUTIVE SUMMARY

Farallon Consulting, L.L.C. (Farallon) has prepared this Phase I Environmental Site Assessment (Phase I ESA) Report for the property consisting of King County Tax Parcel Nos. 3622069065, 0121069002, and 3522069018 in Ravensdale, Washington (herein referred to as the Site). The Phase I ESA was conducted by Ms. Emerald Erickson-Mulanax, and was reviewed and approved by Ms. Tina Huff. Both are experienced environmental professionals in the field of Phase I ESAs and related environmental investigations.

This Phase I ESA Report was prepared for Reserve Silica Corporation in accordance with the letter regarding Proposal for Phase I Environmental Site Assessment, King County Tax Parcel Nos. 3622069065, 0121069002, and 3522069018, Ravensdale, Washington dated October 2, 2014, prepared by Farallon. The scope of work for this Phase I ESA is consistent with ASTM International Standard E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM E1527-13). ASTM E1527-13 is intended to assist the user in satisfying one of the requirements to qualify for protection from potential liability under the Comprehensive Environmental Response, Compensation, and Liability Act as the innocent landowner, contiguous property owner, or bona fide prospective purchaser. ASTM E1527-13 constitutes “all appropriate inquiry” into the previous ownership, uses, and environmental conditions of a property consistent with good commercial or customary practice, as defined in Section 9601(35) (B) of Title 42 of the U.S. Code.

There were no deviations from ASTM E1527-13 during the completion of this Phase I ESA. Limitations encountered during the completion of the Phase I ESA included the presence of overgrown brush and vegetation, steep terrain, blocked roads, and areas not serviced by roads or trails, which limited access and visibility and prevented Farallon from observing the entire Site. Based on information obtained during the preparation of this Phase I ESA Report, these limitations are not expected to hinder the conclusions of this report.

The purpose of the Phase I ESA was to identify, as practicable, recognized environmental conditions on or proximate to the Site that have caused and/or may cause an adverse environmental condition. This Phase I ESA Report provides the results of investigation into past and present ownership and uses of the Site, consistent with good commercial and/or customary practice.

The Site includes King County Tax Parcel Nos. 3622069065, 0121069002, and 3522069018, which total approximately 402 acres owned and operated by Reserve Silica Corporation. The Site consists of vegetated land and land developed with an office building totaling approximately 1,600 square feet, a former laboratory building totaling approximately 750 square feet, an equipment storage area, a tailings pond area, two infiltration ponds, and a sand filling area. According to the Site representative, the Site office building is connected to a septic tank that is maintained by Reserve Silica Corporation. Several dirt roads are present in the northern and central portions of the Site. The northern portion of the Site is relatively flat, with a slight slope



up to the west. The southern portion of the Site slopes up to the south. Access to the Site is gained from Black Diamond-Ravensdale Road, south of the office and north of the land-filling area of the Site.

Federal designated wetlands occupy the southern portion of the Site. A closed inert landfill is located in the central portion of the Site.

At the time of the site reconnaissance, the Site included sand pits that are being backfilled with clean/inert material. Farallon observed three 3-gallon gasoline containers, one 5-gallon bucket of equipment cleaner, and two quarts of engine oil in the former laboratory building at the Site. The containers were not situated in secondary containment, and the three gasoline containers were not properly labeled. Farallon did not observe staining in the vicinity of the containers at the time of the reconnaissance. Farallon observed one 500-gallon diesel fuel aboveground storage tank (AST), one empty 150-gallon gasoline AST, and one 150-gallon waste-oil AST on the Site. Farallon observed other hazardous materials, petroleum products, and waste materials, including antifreeze, new motor oil, lube oils, and grease stored in containers ranging in size from 1 quart to 55-gallon drums. The materials were located in a covered area on the northeast portion of the Site. Farallon observed substantial staining in the vicinity of the containers and ASTs at the time of the reconnaissance. The potential release of hazardous substances in connection with the current storage and handling of hazardous substances represents a recognized environmental condition for the Site.

Mine laboratories are known to have used chlorinated solvents and other hazardous materials as part of operations. The potential release of hazardous substances in connection with the possible storage, handling, and use of hazardous substances at and in the vicinity of the former laboratory building represents a recognized environmental condition for the Site.

No evidence of stained soil, stressed vegetation, or underground storage tanks (USTs) was observed on the Site at the time of the site reconnaissance. According to the User of this report, a UST associated with a sand dryer was formerly located on the Site; however, the Site representative was not aware of a current UST on the Site. The insufficient information regarding the UST is a data gap for this report. The potential release of hazardous substances in connection with the possible UST represents a recognized environmental condition for the Site.

The Site was operated as a coal mine in the 1920s through the 1950s. There is limited information regarding the former coal mining operations on the Site, which is a data gap for this report. Sand mining operations began at the Site in the 1970s and the tailings ponds appeared on the northwestern portion of the Site by 1980. Industrial Mineral Products operated under a lease from Glacier from the early 1970s to 1986. In the early 1980s, two locations in the central portion of the Site (Lower Disposal Area and Dale Strip Pit) accepted cement kiln dust from Ideal Cement Company and Holcim US for use as backfill. The sand mining operations footprint increased on the southern portion of the Site from the 1980s through the 2000s. According to the Site representative, sand mining operations at the Site ceased in 2006 when operations switched



to backfilling. The potential release of hazardous substances associated with mine wastes represents a recognized environmental condition for the Site.

The east portion of the Site has been filled with sand and the south portion of the Site is currently undergoing backfilling. The Site has appeared relatively unchanged from 2012 to the present, other than becoming increasingly vegetated in the tailings pond area. City directory listings for the Site included Reserve Silica Corporation in 1999 and 2013 and Pacific Coast Coal Company in 1995, 1999, and 2008.

Eleven groundwater monitoring wells were observed in the area of the closed landfill, sand-filled areas of the Site, and west-adjacent to the Site. According to the Site representative, the wells were installed to monitor groundwater in the vicinity of filled areas of the Site. The wells are reportedly monitored semiannually by IO Environmental and Infrastructure, Inc. on behalf of Holcim US. Copies of groundwater monitoring reports or other previous environmental investigations were not provided to Farallon for review, which is a data gap for this report. According to the User of this report, these areas have been capped since the 1990s; however, groundwater with high pH levels has migrated from the areas. The potential release of hazardous substances in connection with use of imported fill on the Site represents a recognized environmental condition for the Site.

At the time of the site reconnaissance, adjacent properties were occupied by forested land to the south and east; railroad tracks, Ravensdale Lake, and rural residences to the north; a landscaping company and a gravel mining operation to the west; and a Bonneville power line easement that runs from the east-adjacent property through the Site onto the west-adjacent property. Adjacent properties appeared largely undeveloped and vegetated in all directions from at least 1936 through 2002. By 2005, the current west-adjacent commercial property was apparent. Between 2007 and 2009, the southeast- and east-adjacent forested areas appeared to have been logged. Adjacent properties have appeared relatively unchanged from 2010 to the present. No city directory listings were found for adjacent properties.

The Environmental Data Resources, Inc. (EDR) database report prepared for the Site (EDR report) identified the Site address in the ALLSITES, CSCSL, NPDES, and US Mines databases. According to the EDR report, the Site was listed as a landfill until December 1999; has suspected groundwater, soil, and surface water contamination by metals and corrosive waste; and had an industrial wastewater discharge permit as of September 1994. Seven violations were recorded for the Site in 2002, four in 2004, eight in 2005, and one in 2006. All of the violations were listed as “Closed,” and the mine status was listed as “Abandoned” as of October 2010. The Site status is currently listed as “Awaiting Cleanup.” Regulatory files for the Site were not reasonably ascertainable due to the time and/or cost constraints of this Phase I ESA; additional information may be available at the Washington State Department of Ecology. The documented regulatory status of known releases of hazardous substances requiring cleanup on the Site represents a recognized environmental condition for the Site.



None of the properties adjacent to the Site or within the search radius was identified in the databases searched.

Based on review of the Site history, interviews with persons knowledgeable about the Site, reconnaissance of the Site and adjacent properties, and review of regulatory agency lists, the results of this Phase I ESA identified the following recognized environmental conditions associated with the Site:

- The potential release of hazardous substances in connection with the current storage and handling of hazardous substances;
- The potential release of hazardous substances in connection with the possible storage, handling, and use of hazardous substances at and in the vicinity of the former laboratory building;
- The potential release of hazardous substances in connection with the possible UST;
- The potential release of hazardous substances associated with mine wastes;
- The potential release of hazardous substances in connection with placement of imported fill on the Site; and
- The documented regulatory status of known releases of hazardous substances requiring cleanup on the Site.



## **1.0 INTRODUCTION**

This Phase I Environmental Site Assessment (Phase I ESA) Report was prepared by Farallon Consulting, L.L.C. (Farallon) for the property consisting of King County Tax Parcel Nos. 3622069065, 0121069002, and 3522069018 in Ravensdale, Washington (herein referred to as the Site) (Figure 1). This section discusses the project authorization, and the qualifications of the environmental professionals conducting and reviewing the Phase I ESA work. Also included in this section are the project purpose, objective, scope of services, and limitations and deviations.

### **1.1 PROJECT AUTHORIZATION**

This Phase I ESA Report was prepared for Reserve Silica Corporation in accordance with the letter regarding Proposal for Phase I Environmental Site Assessment, King County Tax Parcel Nos. 3622069065, 0121069002, and 3522069018, Ravensdale, Washington dated October 2, 2014, prepared by Farallon (2014a). The scope of work for this Phase I ESA is consistent with ASTM International Standard E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM E1527-13).

### **1.2 PROFESSIONAL QUALIFICATIONS**

The Phase I ESA was conducted by Ms. Emerald Erickson-Mulanax, and was reviewed and approved by Ms. Tina Huff. Both are environmental professionals with the specific education, training, and experience to qualify them to assess a property of the nature, history, and setting of the Site. Each has an understanding of surface and subsurface environmental conditions and the processes used to evaluate these conditions, and the ability to develop opinions regarding conditions indicative of a release or threatened release of hazardous substances and petroleum products. These environmental professionals have developed and performed all appropriate inquiry, in conformance with the standards and practices set forth in Part 312 of Title 40 of the Code of Federal Regulations. The professional qualifications of Mss. Erickson-Mulanax and Huff are provided in Appendix A.

### **1.3 PROJECT PURPOSE AND OBJECTIVE**

The purpose of the Phase I ESA was to identify, as practicable, recognized environmental conditions on the Site and within the appropriate study area that have caused and/or may cause an adverse environmental impact. ASTM E1527-13 is intended to permit a user to satisfy one of the requirements to qualify for protection from potential liability under the Comprehensive Environmental Response, Compensation, and Liability Act as the innocent landowner, contiguous property owner, or bona fide prospective purchaser. ASTM E1527-13 constitutes “all appropriate inquiry” into the previous ownership, uses, and environmental conditions of a property consistent with good commercial or customary practice, as defined in Section 9601(35)(B) of Title 42 of the U.S. Code.





The objective of the Phase I ESA was to perform an appropriate inquiry into past and present ownership and uses of the Site, consistent with good commercial and/or customary practice. The Phase I ESA Report is to be used as a risk management tool to meet all appropriate inquiry requirements and the Comprehensive Environmental Response, Compensation, and Liability Act liability defense. The Phase I ESA does not guarantee that there are no impacts to the Site.

For the purpose of this Phase I ESA Report, the term “recognized environmental condition” is defined as the presence or likely presence of any hazardous substance or petroleum product on the Site under conditions that indicate a past or existing release or material threat of release of any hazardous substance into a structure on the Site, or into the ground, groundwater, or surface water of the Site. The term is not intended to include de minimis conditions that generally would not be the subject of an enforcement action if brought to the attention of the appropriate governmental agencies.

#### **1.4 PROJECT SCOPE OF SERVICES**

This Phase I ESA Report has been prepared in accordance with the scope of work presented in ASTM E1527-13 and the letter regarding Proposal for Phase I Environmental Site Assessment, King County Tax Parcel Nos. 3622069065, 0121069002, and 3522069018, Ravensdale, Washington dated October 2, 2014, prepared by Farallon (2014a).

The scope of work for this Phase I ESA included a records review, literature research and review, a site reconnaissance, interviews with individuals familiar with the Site, interviews with local governmental officials, and preparation of this report.

#### **1.5 LIMITATIONS AND DEVIATIONS**

There were no deviations from ASTM E1527-13 during the completion of this Phase I ESA. Limitations encountered during the completion of the Phase I ESA included the presence of overgrown brush and vegetation, steep terrain, and areas not serviced by roads or trails, which limited access and visibility and prevented Farallon from observing the entire Site. Based on information obtained during the preparation of this Phase I ESA Report, these limitations are not expected to hinder the conclusions of this report.



## **2.0 SITE OVERVIEW**

This section includes an overview of the Site location, improvements, and operations. A description of adjacent and surrounding land use also is provided.

### **2.1 SITE LOCATION**

The Site is approximately 0.3 mile southwest of the intersection of SE Ravensdale Place and Black Diamond-Ravensdale Road in a rural residential area approximately 0.7 miles southwest of downtown Ravensdale, King County, Washington (Figure 1).

### **2.2 SITE DESCRIPTION**

The Site includes King County Tax Parcel Nos. 3622069065, 0121069002, and 3522069018, which total approximately 402 acres owned and operated by Reserve Silica Corporation. The Site consists of vegetated land and land developed with an office building totaling approximately 1,600 square feet, a former laboratory building totaling approximately 750 square feet, an equipment storage area, a tailings pond area, two infiltration ponds, and a sand filling area. According to the Site representative, the Site office building is connected to a septic tank that is maintained by Reserve Silica Corporation (Farallon 2014c).

The southern portion of the Site slopes up to the south. The northern portion of the Site is relatively flat, with a slight slope up to the west. An inert closed landfill is located in the central portion of the Site. Federal designated wetlands occupy the southern portion of the Site, and the western portion of the Site, where tailings ponds are located on the wetlands. Access to the Site is gained from Black Diamond-Ravensdale Road, which transects the Site.

The Site is near the towns of Ravensdale and Black Diamond, Washington; reference materials citing the name of both towns were acquired in preparation of this Phase I ESA Report. Figure 2 presents a plan map of the Site. Additional details pertaining to the Site are provided in Section 8.2, Site Reconnaissance Observations. Site photographs are presented in Appendix B.

### **2.3 SITE OPERATION**

At the time of the site reconnaissance, the Site included sand pits that are being backfilled with clean/inert material. (Figure 2). An operations office and an equipment storage area are present in the northern portion of the Site (Figure 3). According to the King County Department of Assessments (2014), the Site owner is Reserve Silica Corporation.

### **2.4 ADJACENT AND SURROUNDING LAND USE**

At the time of the site reconnaissance, adjacent properties were occupied by forested land to the south and east; railroad tracks, Ravensdale Lake, and rural residences to the north; a landscaping



company and a gravel mining operation to the west; and a Bonneville power line easement that runs from the west-adjacent property through the Site onto the east-adjacent property.

No visual evidence of recognized environmental conditions was observed on abutting or nearby properties during the site reconnaissance. Observations were restricted to areas readily observable from the Site, and to the public right-of-way within an approximately 0.25-mile radius of the Site.



### **3.0 PHYSICAL SETTING**

The physical setting of the Site, including topography, geology, and hydrogeology, is described in this section. Farallon's assessment of sensitive receptors in the area also is discussed.

#### **3.1 TOPOGRAPHY**

Farallon reviewed the U.S. Geological Survey (USGS) topographic map for Black Diamond, Washington dated 1994, and Cumberland, Washington dated 1993 (Environmental Data Resources, Inc. [EDR] 2014c). The maps depict that the Site is at elevations of between approximately 600 and 940 feet above mean sea level. The Site and regional topography is hilly, with an overall slope down to the northwest and south.

#### **3.2 GEOLOGY AND HYDROGEOLOGY**

The Puget Sound region is underlain by Quaternary sediments deposited by a number of glacial episodes. Deposition occurred during a number of glacial advances and retreats, which created the existing subsurface conditions. The regional sediments consist primarily of interlayered and/or sequential deposits of alluvial clays, silts, and sands that typically are situated over deposits of glacial till that consist of silty sand to sandy silt with gravel. Outwash sediments consisting of sands, silts, clays, and gravels were deposited by rivers, streams, and post-glacial lakes during the glacial retreats. With the exception of the most-recent recessional deposits, the outwash sediments have been over-consolidated by the overriding ice sheets (Galster and Laprade 1991).

Groundwater migration in the Puget Sound region generally is confined to the most-recent alluvial deposits of sands and gravel. These materials are commonly underlain and occasionally overlain by relatively impermeable glacial till deposits. Lateral and vertical migration of the groundwater is impeded by the dense and relatively impermeable nature of the till, and by the commonly laterally discontinuous nature of the aquifer-bearing materials. Perched and discontinuous zones of shallow groundwater may be present seasonally and locally above the impervious till. Shallow groundwater flow direction typically can be estimated by examination of surface topography or by nearby surface water bodies.

Based on the topography in the vicinity of the Site, shallow groundwater flow direction could be expected to be northwest or south. Farallon cannot determine the depth or actual direction of groundwater flow at the Site without the installation of monitoring wells.

#### **3.3 SENSITIVE RECEPTORS**

Farallon conducted a limited assessment of sensitive receptors on or in the vicinity of the Site that was confined to visually apparent features such as surface water bodies (e.g., low-lying wet areas, streams, ponds) and residential and recreational areas. Farallon's assessment of sensitive



receptors also included a review of readily ascertainable information relating to the presence of private, semiprivate, public, and industrial water supply wells.

According to the EDR (2014d) Radius Map Report with GeoCheck prepared for the Site dated October 22, 2014 (EDR report), the Site is not in a 100- or 500-year flood plain. Federal designated wetlands occupy the northwestern and southern portions of the Site. The nearest public water supply well identified is within 1 mile northeast of the Site. The nearest water body identified is Ravensdale Lake approximately 70 feet north of the Site.



## **4.0 USER-PROVIDED INFORMATION**

Farallon understands that the user of this report, Reserve Silica Corporation, is seeking to follow the standards set forth in ASTM E1527-13 to complete an environmental assessment of the Site. The user has specific responsibilities for fulfilling ASTM E1527-13 requirements to help identify the possibility of recognized environmental conditions in connection with the Site. These responsibilities do not require the technical expertise of an environmental professional, and were not performed by the environmental professional who completed the Phase I ESA at the Site.

To facilitate fulfillment of the ASTM E1527-13 requirements identified below, Farallon (2014e) provided Reserve Silica Corporation with a copy of the *Phase I ESA User Questionnaire* (User Questionnaire) to complete. The User Questionnaire is provided in Appendix C of this Phase I ESA Report.

### **4.1 TITLE AND LIEN RECORDS**

Reserve Silica Corporation indicated that it was not aware of environmental liens against the Site.

### **4.2 EXPERIENCE AND SPECIALIZED KNOWLEDGE**

Reserve Silica Corporation indicated that it is aware that the north-adjacent property is a railroad with Ravensdale Lake beyond and that a wetland extends through the southern portion of the Site. Reserve Silica Corporation indicated that an underground storage tank (UST) was present at the Site for previous sand drying operations. The insufficient information regarding the previous UST is a data gap for this report.

### **4.3 COMMONLY KNOWN INFORMATION**

Reserve Silica Corporation indicated that it is aware that the Site was used for coal mining and processing from the 1900s to 1956. Industrial Mineral Products operated under a lease from Glacier from the early 1970s to 1986. In the early 1980s, two locations (Lower Disposal Area and Dale Strip Pit) at the Site accepted Cement Kiln Dust and waste glass from Ideal Cement Company. The areas have been capped since the 1990s and groundwater with high pH levels has migrated from these areas. Holcim US, the successor to Ideal Cement, has had environmental responsibility for both areas.

According to the User of this report, extensive investigation activities have occurred on the Site dating back to 2000. In 2005, Obyashi disposed of soil with high-pH generated by tunnel borings in the upper pit on the Site and removed the soil shortly thereafter.

### **4.4 PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT USERS**

Reserve Silica Corporation will rely on this Phase I ESA Report.



## **4.5 PREVIOUS ENVIRONMENTAL STUDIES**

Farallon was not provided with any previous reports prepared for the Site.



## 5.0 SITE BACKGROUND AND HISTORY

Farallon reviewed the following historical sources during the completion of the Phase I ESA:

- Aerial photographs of the Black Diamond, Washington area dated 1944, 1952, 1968, 1980, 1983, 1998, 2005, 2006, 2009, and 2011 obtained from EDR (2014b); dated 1990, 1994, 1998, 2002, 2003, 2005, 2006, 2007, 2009, 2010, 2011, 2012, 2013, and 2014 obtained from Google Earth (2014); and dated 1936, 1998, 2000, 2002, 2005, 2007, and 2009 obtained from King County Department of Assessments (2014); and
- USGS topographic maps of Tacoma, Washington dated 1990; Cedar Lake, Washington dated 1913; Black Diamond, Washington dated 1949, 1968, 1973, and 1994; Cumberland, Washington dated 1953, 1968, 1973, and 1993; and Eagle Gorge, Washington dated 1983 obtained from EDR (2014c).
- Polk City Directories for Black Diamond, Washington dated 1995, 1999, 2008, and 2013 obtained from EDR (2012e).

A search for Sanborn Fire Insurance Maps (EDR 2014a) resulted in notification that there was no coverage for the Site. Farallon is not responsible for the accuracy or completeness of the historical sources reviewed. The historical sources documented were reasonably ascertainable and practically reviewable during the completion of this Phase I ESA.

### 5.1 SITE

According to aerial photographs and information obtained during completion of this Phase I ESA, the Site was operated as a coal mine in the 1920s through the 1950s (Farallon 2014c). Coal mining equipment was shown on the northern portion of the Site in the 1944 aerial photograph, and mining operations appeared to be conducted on the southwestern portion of the Site. Remaining areas of the Site were undeveloped and vegetated, with dirt roads connecting the northern and southern portions of the Site in 1944. By 1968, the Site appeared to be vacant, with the current Bonneville power lines running east to west across the central portion of the Site. Sand mining operations began at the Site in the 1970s and the tailings ponds appeared on the northwestern portion of the Site by 1980. Industrial Mineral Products operated under a lease from Glacier from the early 1970s to 1986. In the early 1980s, two locations in the central portion of the Site (Lower Disposal Area and Dale Strip Pit) accepted cement kiln dust from Ideal Cement Company and Holcim US. The mining operations footprint increased on the southern portion of the Site from the 1980s through the 2000s. According to the Site representative, mining operations at the Site ceased in 2006 when operations switched to filling activities (Farallon 2014c). The east portion of the Site has been filled with sand and the south portion of the Site is currently undergoing sand-filling activities. The Site has appeared relatively unchanged from 2012 to the present, other than an increase in vegetation in the tailings pond area.





City directory listings for the Site included Reserve Silica Corporation in 1999 and 2013 and Pacific Coast Coal Company in 1995, 1999, and 2008. The potential release of hazardous substances in connection with mining and filling operations on the Site represents a recognized environmental condition for the Site.

## **5.2 ADJACENT PROPERTIES**

Adjacent properties appeared largely undeveloped and vegetated in all directions from at least 1936 through 2002. By 2005, the current west-adjacent commercial property was apparent. Between 2007 and 2009, the southeast- and east-adjacent forested areas appeared to have been logged. Adjacent properties have appeared relatively unchanged from 2010 to the present. No city directory listings were found for adjacent properties.

## **5.3 DATA GAPS**

Data gaps may affect the ability to identify recognized environmental conditions and Farallon's ability to render opinions and conclusions for presentation in the Phase I ESA Report. Farallon encountered the following significant data gaps during the completion of this Phase I ESA:

- The insufficient information regarding the previous historical use of the Site as a coal mine;
- The insufficient information regarding current and previous investigations completed at the Site; and
- The lack of information regarding the previous UST.

These data gaps may hinder the conclusions of this report.



## 6.0 REGULATORY REVIEW

EDR (2014d) performed a review of environmental regulatory agency database listings to identify reported environmental issues related to the Site and other facilities in the Site vicinity. Farallon used the greater of each approximate minimum search distance from the Site for each of the referenced federal and state environmental databases, as specified in ASTM E1527-13. The descriptions of the databases searched and the associated search distances from the Site are provided in the EDR report presented in Appendix D.

Farallon reviewed the results of the EDR report to note reported facilities in the vicinity of the Site that were considered to have a potential to adversely impact the Site (i.e., are known to have resulted in or are expected to result in a recognized environmental condition). Reported facilities identified in the EDR report were evaluated with respect to the nature and extent of a given release, the distance of the reported facility from the Site, the stratigraphy of soils, the expected soil permeability, and the topographic position of a reported facility with respect to known or expected local and/or regional groundwater flow direction.

A summary of the databases identified in the EDR report is presented in the following table. A discussion of the facilities follows.


Type of Database <sup>1</sup>	Number of Listings in Specified Search Radius			
	Site and Adjacent	0.125 to 0.25 mile from Site	0.25 to 0.5 mile from Site	0.5 to 1 mile from Site
National Priority List (NPL)	0	0	0	0
Resource Conservation and Recovery Act (RCRA) Corrective Action Report (CORRACTS)	0	0	0	0
State Equivalent NPL/Comprehensive Environmental Response, Compensation, and Liability Information System – State Hazardous Waste Sites (Hazardous Sites List [HSL] and Confirmed and Suspected Contaminated Sites List [CSCSL])	1	0	0	4
SPILLS	0			
National Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS)	0	0	0	
National CERCLIS/No Further Remedial Action Planned (NFRAP)	0	0	0	
RCRA-Permitted Treatment, Storage, and Disposal Facility (TSDF)	0	0	0	
Aboveground Storage Tank (AST)	0	0		
Leaking Underground Storage Tanks (LUSTs)	0	0	0	
Landfills	0	0	0	
Institutional Controls/Engineering Controls	0	0	0	



Type of Database <sup>1</sup>	Number of Listings in Specified Search Radius			
	Site and Adjacent	0.125 to 0.25 mile from Site	0.25 to 0.5 mile from Site	0.5 to 1 mile from Site
Voluntary Cleanup Program (VCP)	0	0	0	
Washington Independent Cleanup Report (ICR)	0	0	0	
CSCSL – No Further Action (NFA)	0	0	0	
Tribal Lands	0	0	0	0
Hazardous Sites List (HSL)	0	0	0	2
Brownfields	0	0	0	
Solid Waste Facility/Landfill (SWF/LF), Recycling Facility (SWRCY)	0	0	0	
Registered Underground Storage Tanks (USTs)	0	0		
RCRA Generators: Small Quantity Generator (SQG); Large Quantity Generator (LQG); Conditionally Exempt Small Quantity Generator (CESQG); Non-Generator (NonGen)	0	0		
Manifest	0	0		
Drycleaners	0	0		
ALLSITES	Site, 3	0	0	
Inactive Drycleaners	0	0		
Manufactured Gas Plants	0	0	0	0
Record of Decision (ROD)	0	0	0	0
US Mines	1	0		
Historical Auto Stations	0	0		
Historical Cleaners	0	0		
Formerly Used Defense Sites (FUDS)	0	0	0	0
Hazardous Materials Information Reporting System (HMIRS)	0			
FINDS	0			
Financial Assurance	0			
NPDES	0			

**NOTES:**

<sup>1</sup>See Appendix D for the complete database search report and maps identifying the facilities summarized above, including a description of each database reviewed.

 Shaded areas not searched.

## 6.1 ON-SITE LISTINGS

The following facilities were identified at the Site address in the EDR report.

- **Reserve Silica Corp**, on the Site parcels, was identified in the ALLSITES, CSCSL, NPDES, and US Mines databases. According to the EDR report, the Site was listed as a landfill until December 1999; has suspected groundwater, soil, and surface water metals



contamination; and had an industrial wastewater discharge permit as of September 1994. Seven violations were recorded for the Site in 2002, four in 2004, eight in 2005, and one in 2006. All of the violations were listed as “Closed,” and the mine status was listed as “Abandoned” as of October 2010. The Site status was listed as “Awaiting Cleanup.” Farallon searched the Washington State Department of Ecology (Ecology) (2014) Toxics Cleanup Program database (Ecology database) for the Site, but found no additional information.

- **Ravensdale Trench Filling**, on the Site parcels, was identified in the ALLSITES database. According to the EDR report, trench-filling activities have been conducted at the Site as of July 2008. Farallon searched the Ecology database for the Site, but found no additional information.
- **Ravensdale Pit**, on the Site parcels, was identified in the ALLSITES database. According to the EDR report, the Site had interaction with the Water Resources Program of Ecology in May 1999. EDR listed this facility as a property adjacent to the Site; however, during the site reconnaissance, Farallon confirmed this location to be the Site. Farallon searched the Ecology database for the Site, but found no additional information.

Regulatory records for the Site were not reasonably ascertainable due to the time and/or cost constraints of this Phase I ESA; additional information may be available at Ecology. Based on information provided by the User, the early 1980s, two locations (Lower Disposal Area and Dale Strip Pit) at the Site accepted Cement Kiln Dust and waste glass from Ideal Cement Company. The areas have been capped since the 1990s; however, groundwater with high pH levels has migrated from these areas. Holcim US, the successor to Ideal Cement, has had environmental responsibility for both areas. Reserve Silica Corporation also indicated that a UST was present at the Site for previous sand-drying operations. The insufficient information regarding the previous UST is a data gap for this report.

According to the User of this report, extensive investigation activities have occurred on the Site dating back to 2000. In 2005, Obyashi disposed of soil with high-pH generated from tunnel borings in the upper pit on the Site; this material was removed shortly thereafter. Based on the information provided in the EDR report and the current regulatory status of the Site, the known and/or potential release of hazardous substances in connection with mining and filling operations on the Site represents a recognized environmental condition for the Site.

## 6.2 ADJACENT AND OTHER FACILITY LISTINGS

Reported facilities within 0.25 mile up-gradient, 0.125 mile cross-gradient, or adjacent down-gradient of the Site are considered to have a potential to have impacted the Site. Facilities that were listed in the database search report but not identified as a reported facility (e.g., a facility listed as a hazardous waste generator but not as having had a release) and facilities that were listed as “closed” were not considered to have a potential to have impacted the Site.

None of the properties adjacent to the Site or within the search radius was identified in the databases searched.



### **6.3 UNMAPPABLE LISTINGS**

EDR identified 11 facilities as “orphan sites,” which EDR was unable to map due to inaccurate or inadequate address information. Farallon located the orphan sites and, based on the addresses provided by EDR, 10 of the facilities are not located within the respective search radii of the Site or do not represent a recognized environmental condition for the Site.

The remaining orphan site, Reserve Silica Corporation at 26000 Ravensdale-Black Diamond Road on the Site parcels, was identified in the RCRA NonGen/NLR database. According to the EDR report, the Site has been a handler of hazardous waste as of September 1993, with no violations reported.



## 7.0 INTERVIEWS

Farallon conducted interviews with individuals familiar with the Site and contacted relevant local governmental agencies to obtain additional Site information. The responses from the parties contacted are provided below.

### 7.1 INTERVIEW WITH SITE REPRESENTATIVE

Farallon (2014c) interviewed Mr. Pete Cawlfild of Reserve Silica Corporation, representative of the Site, on November 3, 2014. The following information was obtained from this interview:

- There are no known USTs on the Site.
- Hazardous materials are stored in the equipment storage area on the northeastern portion of the Site. The materials are stored in ASTs and other containers ranging in size from 1 gallon to 150 gallons. Some of the containers are stored under a canopy within secondary containment, and some in a large metal shipping container without secondary containment.
- Historically, the Site was used for coal mining by McKay Dale Mines and Dale Coal Company in the 1920s and 1930s, for sand mining in the 1970s to 2006, and for sand-filling from 2006 to the present.
- Truck tire washing activities take place in the former sand mine area in the south-central portion of the Site.
- The western portion of the former sand mine is governed by a closed landfill permit; the active filling area is governed by an inert landfill permit.
- Cement kiln dust was used to fill the central portion of the Site, currently referred to as the closed landfill. The cement kiln dust was generated and disposed of by Holcim US. The Site representative did not know the exact disposal dates.
- Mobile equipment is the only source of waste oil at the Site; Modern Machinery disposes of the waste oil after servicing the equipment.
- Eleven groundwater monitoring wells on the Site and west-adjacent property are used to monitor groundwater in the vicinity of the filled areas of the Site. The wells are monitored on a semiannual basis.

Mr. Cawlfild further stated that he had not been made aware of any pending, threatened, or past:

- Litigation relevant to hazardous substances or petroleum products in, on, or from the Site;
- Administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the Site; or
- Notices from a governmental entity regarding violations of environmental laws or liability relating to hazardous substances or petroleum products.



## **7.2 INTERVIEW WITH CITY**

Farallon (2014d) contacted the City of Black Diamond on November 13, 2014 to inquire whether notices of violations and/or reported hazardous spills at the Site were on file, and regarding previous and current ASTs and USTs at the Site. Farallon did not receive a response from the City of Black Diamond prior to the completion of this report.

## **7.3 INTERVIEW WITH HEALTH DEPARTMENT**

Farallon (2014b) contacted Public Health–Seattle & King County on October 21, 2014 to inquire whether notices of violations or reported hazardous spills at the Site were on file. Farallon receive a response from Public Health–Seattle & King County on November 25, 2014 that included grading permits, compilations of comments on records, and inspection forms. An application comment noted that a permit was submitted to reline a 10,000-gallon diesel UST with an epoxy coating in April 24, 1991. The lack of information regarding the UST at the Site is a data gap for this report.



## **8.0 SITE RECONNAISSANCE**

Farallon conducted a site reconnaissance on November 3, 2014 to observe the Site for physical evidence of recognized environmental conditions. The methodology used for the site reconnaissance and the observations made during the reconnaissance are discussed below. A description of the Site is provided in Section 2.2, Site Description. Photographs taken during the site reconnaissance are presented in Appendix B.

### **8.1 SITE RECONNAISSANCE METHODOLOGY**

There were no deviations from ASTM E1527-13 during the completion of the Phase I ESA. Limitations encountered during the completion of the Phase I ESA included the presence of overgrown brush and vegetation, steep terrain, blocked roads, and areas not serviced by roads or trails, which limited access and visibility and prevented Farallon from observing the entire Site. Based on information obtained during the preparation of this Phase I ESA Report, these limitations are not expected to hinder the conclusions of this report.

### **8.2 SITE RECONNAISSANCE OBSERVATIONS**

Weather conditions at the time of the reconnaissance were cloudy and rainy, with a temperature of approximately 55 degrees Fahrenheit. There were no weather-related Site-access restrictions encountered during the reconnaissance.

The Site includes King County Tax Parcel Nos. 3622069065, 0121069002, and 3522069018, which total approximately 402 acres owned and operated by Reserve Silica Corporation. The Site consists of vegetated land and land developed with an office building totaling approximately 1,600 square feet, a former laboratory building totaling approximately 750 square feet, an equipment storage area, a tailings pond area, and a sand filling area. Several dirt roads are present in the northern and central portions of the Site. Federal designated wetlands occupy the southern portion of the Site, and the western portion of the Site, where tailings ponds are located on the wetlands. The southern portion of the Site slopes up to the south. The northern portion of the Site is relatively flat, with a slight slope up to the west. A closed inert landfill is located in the central portion of the Site. Access to the Site is gained from Black Diamond-Ravensdale Road, south of the office and north of the land-filling area of the Site. Sand-filling operations are currently taking place on the western portion of the Site.

#### **8.2.1 Interior Observations**

Farallon's observations of the interior of the Site buildings during the reconnaissance are documented in the table below. Comments pertaining to notable interior observations follow.





<b>INTERIOR OBSERVATIONS</b>	<b>YES</b>	<b>NO</b>
Odor		X
Heating/Cooling System	X	
Drain(s) and/or Sump(s)		X
Staining and/or Corrosion		X
Storage Tank(s), Vent Pipe(s), and/or Fuel Port(s)		X
Drum(s) and/or Other Container(s)	X	
Pool(s) of Liquid		X
Hazardous Material(s) and/or Petroleum Product(s)	X	
Wastewater		X
Hazardous Waste		X

### **Heating/Cooling System**

According to the Site representative, the Site buildings are heated by an electric heating system (Farallon 2014c). Utilities are provided by the local utility company.

### **Drum(s) and/or Other Container(s)**

Farallon observed three 3-gallon gasoline containers, one 5-gallon bucket of equipment cleaner, and 2 quarts of engine oil in the former laboratory building at the Site. The containers were not situated in secondary containment, and the three gasoline containers were not properly labeled. Farallon did not observe staining in the vicinity of the containers at the time of the reconnaissance.

Mine laboratories are known to use chlorinated solvents and other hazardous materials as part of operations. The potential release of hazardous substances in connection with mining operations, including the possible storage and handling of hazardous substances at and near the former laboratory building, represents a recognized environmental condition for the Site.

### **Hazardous Material(s) and/or Petroleum Product(s)**

Hazardous materials and petroleum products were observed in the former laboratory building, as discussed above.

## **8.2.2 Exterior Observations**

Farallon's observations of the exterior of the Site during the reconnaissance are documented in the table below. Comments pertaining to notable exterior observations follow in Section 8.2.4. Photographs taken during the reconnaissance are provided in Appendix B.



<b>EXTERIOR OBSERVATIONS</b>	<b>YES</b>	<b>NO</b>
Odor		X
Staining and/or Corrosion		X
Storage Tank(s), Vent Pipe(s), and/or Fuel Port(s)	X	
Drum(s) and/or Other Container(s)	X	
Pool(s) of Liquid		X
Hazardous Material(s) and/or Petroleum Product(s)	X	
Hazardous Waste	X	
Pit(s), Pond(s), and/or Lagoon(s)	X	
Stressed Vegetation		X
Solid (Non-Hazardous) Waste—Evidence of Dumping		X
Wastewater		X
Domestic Water	X	
Water Well(s)	X	
Septic/Sewer System	X	
Stormwater	X	
Transformer(s)	X	
Significant Amount of Fill Material	X	

### **8.2.3 Exterior Observation Comments**

#### **Storage Tank(s), Vent Pipe(s), and/or Fuel Port(s)**

One 500-gallon diesel fuel AST, one empty 150-gallon gasoline AST, and one 150-gallon waste-oil AST were observed in the equipment storage area on the northeast portion of the Site. All three ASTs were situated in secondary containment, sealed or covered, and properly labeled. Significant staining was observed in the vicinity of the ASTs. The potential release of hazardous substances in connection with the current storage and handling of hazardous substances represents a recognized environmental condition for the Site.

#### **Drum(s) and/or Other Container(s)**

Farallon observed various containers of hazardous materials, petroleum products, antifreeze, new motor oil, lube oils, and grease ranging in size from 1 quart to 55-gallon drums in a large metal container and in the covered equipment storage area. The materials are used as part of Site operations.



Although some of the containers were stored in designated storage rooms, situated in secondary containment, sealed or covered, and properly labeled, some of the containers in the large metal container were not in secondary containment at the time of the site reconnaissance. Farallon observed substantial staining in the equipment storage area at the time of the reconnaissance.

The potential release of hazardous substances in connection with the current storage and handling of hazardous substances represents a recognized environmental condition for the Site.

### **Hazardous Material(s), and/or Petroleum Products(s)**

Farallon observed hazardous materials, petroleum products, and waste materials in the hazardous materials storage area on the Site as discussed above.

### **Hazardous Waste**

One waste-oil AST was situated in secondary containment under a canopy in the equipment storage area. Evidence of a waste-oil spill was observed under the canopy during the site reconnaissance. The spill appeared to be contained by the secondary containment concrete pad and berm surrounding the hazardous materials storage area. According to the Site representative, mobile equipment is the only source of waste oil at the Site; Modern Machinery disposes of the waste oil after servicing the equipment (Farallon 2014c).

### **Pit(s), Pond(s), and/or Lagoon(s)**

Four mine tailings ponds are present on the northwestern portion of the Site. The ponds were overgrown with vegetation, did not contain water, and were not being discharged to at the time of the site reconnaissance. The tailings ponds are associated with former mining operations on the Site. The potential release of hazardous substances in connection with mining operations on the Site represents a recognized environmental condition for the Site.

Two stormwater infiltration ponds were also observed on the Site as discussed below.

### **Domestic Water**

Potable water at the Site is provided by the local municipality.

### **Water Well(s)**

Eleven groundwater monitoring wells were observed in the area of the closed landfill, sand-filled areas of the Site, and west-adjacent to the Site. According to the Site representative, the wells were installed to monitor groundwater in the vicinity of filled areas of the Site (Farallon 2014c). The wells are reportedly monitored semiannually by IO Environmental and Infrastructure, Inc. on behalf of Holcim US. Copies of groundwater monitoring reports or other previous environmental investigations were not provided to Farallon for review, which is a data gap for this report. The known and/or potential release of hazardous substances in connection with filling operations at the Site represents a recognized environmental condition for the Site.



### **Septic/Sewer System**

According to the Site representative, the septic system has not been serviced since his employment in 2003; the office building is connected to the septic system (Farallon 2014c).

### **Wastewater**

When the plant was operating, tailings composed of clay and water were consolidated in a clarifier using standard flocculants. The output of the clarifier was deposited in a series of tailing ponds and the clarified process water was infiltrated back into the groundwater.

### **Stormwater**

Stormwater on the southern and western portions of the Site infiltrates into the unpaved ground. Stormwater on the northeastern portion of the Site accumulates in areas of lower elevation on the Site by sheet flow dispersal.

A wetland is located on the southern portion of the Site. Stormwater runoff is controlled through a series of ditches that discharge the stormwater water into the wetland or the infiltration ponds. Stormwater generated at the plant is currently controlled by a sump pump.

### **Transformer(s)**

Two pad-mounted utility transformers observed on the northern portion of the Site are owned and maintained by Puget Sound Energy. Leaks and stains were not observed around the transformers.

### **Significant Amount of Fill Material**

At the time of the site reconnaissance, significant sand filling activities were being conducted on the western portion of the former sand mine area of the Site. Additional information regarding historical mining and filling operations is discussed in Section 5, Site Background and History, of this report.



## 9.0 FINDINGS AND OPINIONS

There were no deviations from ASTM E1527-13 during the completion of this Phase I ESA. Limitations encountered during the completion of the Phase I ESA included the presence of overgrown brush and vegetation, steep terrain, blocked roads, and areas not serviced by roads or trails, which limited access and visibility and prevented Farallon from observing the entire Site. Based on information obtained during the preparation of this Phase I ESA Report, these limitations are not expected to hinder the conclusions of this report.

Farallon identified the following significant data gaps during the completion of this Phase I ESA:

- The insufficient information regarding the previous historical use of the Site as a coal mine;
- The insufficient information regarding current and previous investigations completed at the Site; and
- The lack of information regarding the previous UST.

These data gaps may hinder the conclusions of this report.

Farallon observed one 500-gallon diesel fuel AST, one empty 150-gallon gasoline AST, and one 150-gallon waste-oil AST on the Site. Farallon observed other hazardous materials, petroleum products, and waste materials, including antifreeze, new motor oil, lube oils, and grease, stored in containers ranging in size from 1 quart to 55 gallons. The materials were located in a covered area on the northeast portion of the Site. Farallon observed substantial staining within in the vicinity of the containers and ASTs at the time of the reconnaissance. The potential release of hazardous substances in connection with the current storage and handling of hazardous substances represents a recognized environmental condition for the Site.

Farallon observed three 3-gallon gasoline containers, one 5-gallon bucket of equipment cleaner, and 2 quarts of engine oil in the former laboratory building at the Site. The containers were not situated in secondary containment, and the three gasoline containers were not properly labeled. Farallon did not observe staining in the vicinity of the containers at the time of the reconnaissance.

Although significant quantities of hazardous materials were not observed within the former laboratory at the time of the reconnaissance, mine laboratories are known to use chlorinated solvents and other hazardous materials as part of operations. The potential release of hazardous substances in connection with mining operations, including the possible storage and handling of hazardous substances in the vicinity of the former laboratory building, represents a recognized environmental condition for the Site. No evidence of stained soil, stressed vegetation, or USTs was observed on the Site at the time of the site reconnaissance.



According to the User of this report, a UST associated with a sand dryer was formerly located on the Site; however, the Site representative was not aware of a UST on the Site. The insufficient information regarding the possible UST is a data gap for this report. The potential release of hazardous substances in connection with the UST represents a recognized environmental condition for the Site.

Historically, the Site was operated as a coal mine in the 1920s through 1950s. There is limited information regarding the former coal mining operations on the Site, which is a data gap for this report. Sand mining operations began at the Site in the 1970s and the tailings ponds appeared on the northwestern portion of the Site by 1980. Industrial Mineral Products operated under a lease from Glacier from the early 1970s to 1986. The mining operations footprint increased on the southern portion of the Site from the 1980s through the 2000s. According to the Site representative, mining operations at the Site ceased in 2006 when operations switched to filling activities (Farallon 2014c). The potential release of hazardous substances in connection with mine waste represents a recognized environmental condition for the Site.

In the early 1980s, two locations in the central portion of the Site (Lower Disposal Area and Dale Strip Pit) accepted cement kiln dust from Ideal Cement Company and Holcim US. The east portion of the Site has been filled with sand and the south portion of the Site is currently undergoing sand-filling activities. The Site has appeared relatively unchanged from 2012 to the present, other than an increase in vegetation in the tailings pond area. City directory listings for the Site included Reserve Silica Corporation in 1999 and 2013 and Pacific Coast Coal Company in 1995, 1999, and 2008.

Eleven groundwater monitoring wells were observed in the area of the closed landfill, sand-filled areas of the Site, and west-adjacent to the Site. According to the Site representative, the wells were installed to monitor groundwater in the vicinity of filled areas of the Site (Farallon 2014c). The wells are reportedly monitored semiannually by IO Environmental and Infrastructure, Inc. on behalf of Holcim US. Copies of groundwater monitoring reports or other previous environmental investigations were not provided to Farallon for review, which is a data gap for this report. The known and/or potential release of hazardous substances in connection with backfilling operations at the Site represents a recognized environmental condition for the Site.

The EDR report identified the Site address in the ALLSITES, CSCSL, NPDES, and US Mines databases. According to the EDR report, the Site was listed as a landfill until December 1999; has suspected groundwater, soil, and surface water contamination by metals and corrosive waste; and had an industrial wastewater discharge permit as of September 1994. Seven violations were recorded for the Site in 2002, four in 2004, eight in 2005, and one in 2006. All of the violations were listed as “Closed” and the mine status was listed as “Abandoned” as of October 2010. The Site status is currently listed as “Awaiting Cleanup.” Regulatory files for the Site were not reasonably ascertainable due to the time and/or cost constraints of this Phase I ESA; additional information may be available at the Washington State Department of Ecology. The documented regulatory status of known releases of hazardous substances requiring cleanup on the Site represents a recognized environmental condition for the Site.



## 10.0 CONCLUSIONS

Farallon performed a Phase I ESA for the property consisting of King County Tax Parcel Nos. 3622069065, 0121069002, and 3522069018 in Ravensdale, Washington in conformance with the scope and limitations of ASTM E1527-13. Any limitations or deviations from ASTM E1527-13 are described in Section 1.5, Limitations and Deviations.

The results of this Phase I ESA identified the following recognized environmental conditions in connection with the Site:

- The potential release of hazardous substances in connection with the current storage and handling of hazardous substances;
- The potential release of hazardous substances in connection with the possible storage, handling, and use of hazardous substances at and in the vicinity of the former laboratory building;
- The potential release of hazardous substances in connection with the possible UST;
- The potential release of hazardous substances associated with mine wastes;
- The potential release of hazardous substances in connection with placement of imported fill on the Site; and
- The documented regulatory status of known releases of hazardous substances requiring cleanup on the Site.



## 11.0 REFERENCES

- Environmental Data Resources, Inc. (EDR). 2014a. *Certified Sanborn Map Report, Ravensdale Parcels, 28130 and 28131 Black Diamond-Ravensdale Road SE, Black Diamond, WA 98051*. October 21.
- . 2014b. *The EDR Aerial Photo Decade Package, Ravensdale Parcels, 28130 and 28131 Black Diamond-Ravensdale Road SE, Black Diamond, WA 98051*. October 22.
- . 2014c. *EDR Historical Topographic Map Report, Ravensdale Parcels, 28130 and 28131 Black Diamond-Ravensdale Road SE, Black Diamond, WA 98051*. October 22.
- . 2014d. *The EDR Radius Map Report with GeoCheck, Ravensdale Parcels, 28130 and 28131 Black Diamond-Ravensdale Road SE, Black Diamond, WA 98051*. October 22.
- . 2014e. *The EDR-City Directory Report, Ravensdale Parcels, 28130 and 28131 Black Diamond-Ravensdale Road SE, Black Diamond, WA 98051*. November 17.
- Farallon Consulting, L.L.C. (Farallon). 2014a. Letter Regarding Proposal for Phase I Environmental Site Assessment, King County Tax Parcel Nos. 3622069065, 0121069002, and 3522069018, Ravensdale, Washington. From Tina Huff and Peter Jewett. To Reserve Silica Corporation c/o Connie Sue Martin, Schwabe, Williamson & Wyatt. October 2.
- . 2014b. Interview Regarding Notices of Violations and Hazardous Spills between a Representative of Farallon and a Representative of Public Health–Seattle & King County. October 21.
- . 2014c. Interview Regarding the Site Between a Representative of Farallon and Pete Cawfield, Reserve Silica Corporation, Representative of the Site. November 3.
- . 2014d. Interview Regarding Permits for Aboveground and Underground Storage Tanks, Notices of Violations, and Hazardous Spills between a Representative of Farallon and a Representative of the City of Black Diamond. November 13.
- . 2014e. *Phase I ESA User Questionnaire*. Completed by Reserve Silica Corporation. November 17.
- Galster, Richard W., and William T. Laprade. 1991. “Geology of Ruston, Washington, United States of America.” *Bulletin of the Association of Engineering Geologists*. 28 (no. 3): 235-302.
- Google Earth. Aerial Photographs of the Black Diamond, Washington Area. 2014. <<http://www.earth.google.com>>. (November 13, 2014.)





King County Department of Assessments. Current Property Appraisal Report and Aerial Photographs for Parcel Numbers 0121069002, 3522069018, and 3622069065. 2014. <<http://www.kingcounty.gov/operations/gis/Maps/iMAP.aspx>>. (October 21, 2014.)

Washington State Department of Ecology (Ecology). Toxics Cleanup Program – Cleanup Site Search Database Search. 2014. <<https://fortress.wa.gov/ecy/gsp/SiteSearchPage.aspx>>. (April 2, 2014.)



## 12.0 STATEMENT OF LIMITATIONS

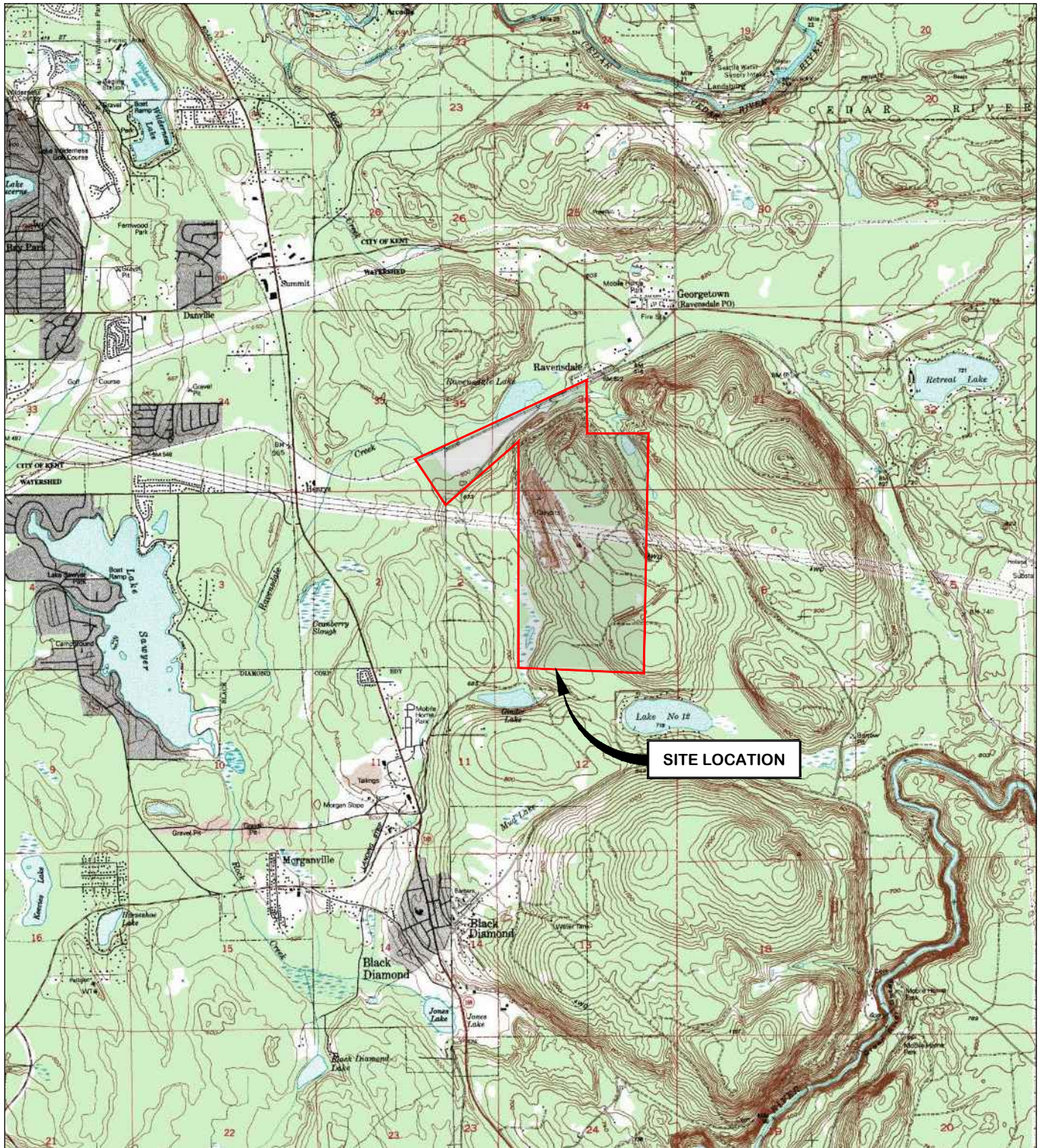
The conclusions and recommendations contained in this report/assessment are based on professional opinions with regard to the subject matter. These opinions have been arrived at in accordance with currently accepted hydrogeologic and engineering standards and practices applicable to this location, and are subject to the following inherent limitations:

- **Accuracy of Information.** Certain information used by Farallon in this report/assessment has been obtained, reviewed, and evaluated from various sources believed to be reliable, including the previously discussed interviews and local fire and health departments. Although Farallon's conclusions, opinions, and recommendations are based in part on such information, Farallon's services did not include verification of its accuracy or authenticity. Should such information prove to be inaccurate or unreliable, Farallon reserves the right to amend or revise its conclusions, opinions, and/or recommendations.
- **Reconnaissance.** Farallon performed a reconnaissance of the Site that is the subject of this report/assessment to document current conditions. Farallon focused on areas deemed more likely to exhibit hazardous materials conditions, while other areas received limited attention, or were inaccessible at the time of the reconnaissance.
- **Limitations.** Because Farallon's report is based on information, the accuracy of which has not been determined, and because Farallon's observations made during the site reconnaissance are limited, Farallon cannot and does not guarantee that the Site is free of hazardous or potentially hazardous materials or conditions, or that latent or undiscovered conditions will not become evident in the future. Since Site activities beyond Farallon's control could change at any time after the completion of this report/assessment, Farallon's observations, findings, and opinions can be considered valid only as of the date of the report hereof. This report/assessment has been prepared in accordance with the client contract and currently accepted industry standards, and no other warranties, representations, or certifications are made. Unless stated otherwise herein, this report is intended for and restricted to the sole use of Reserve Silica Corporation. Any use, interpretation, or reliance upon this report/assessment by anyone other than Reserve Silica Corporation is at the sole risk of that party, and Farallon will have no liability for such unauthorized use, interpretation, or reliance.

## **FIGURES**

**PHASE I  
ENVIRONMENTAL SITE ASSESSMENT REPORT  
King County Tax Parcel Nos. 3622069065, 0121069002, and 3522069018  
Ravensdale, Washington**

**Farallon PN: 1280-002**



REFERENCE: 7.5 MINUTE USGS QUADRANGLE BLACK DIAMOND, WASHINGTON. DATED 1983



Washington  
Issaquah | Bellingham | Seattle

Oregon  
Portland

California  
Oakland | Sacramento

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**FIGURE 1**  
SITE VICINITY MAP  
RAVENSDALE PARCEL  
RAVENSDALE, WASHINGTON

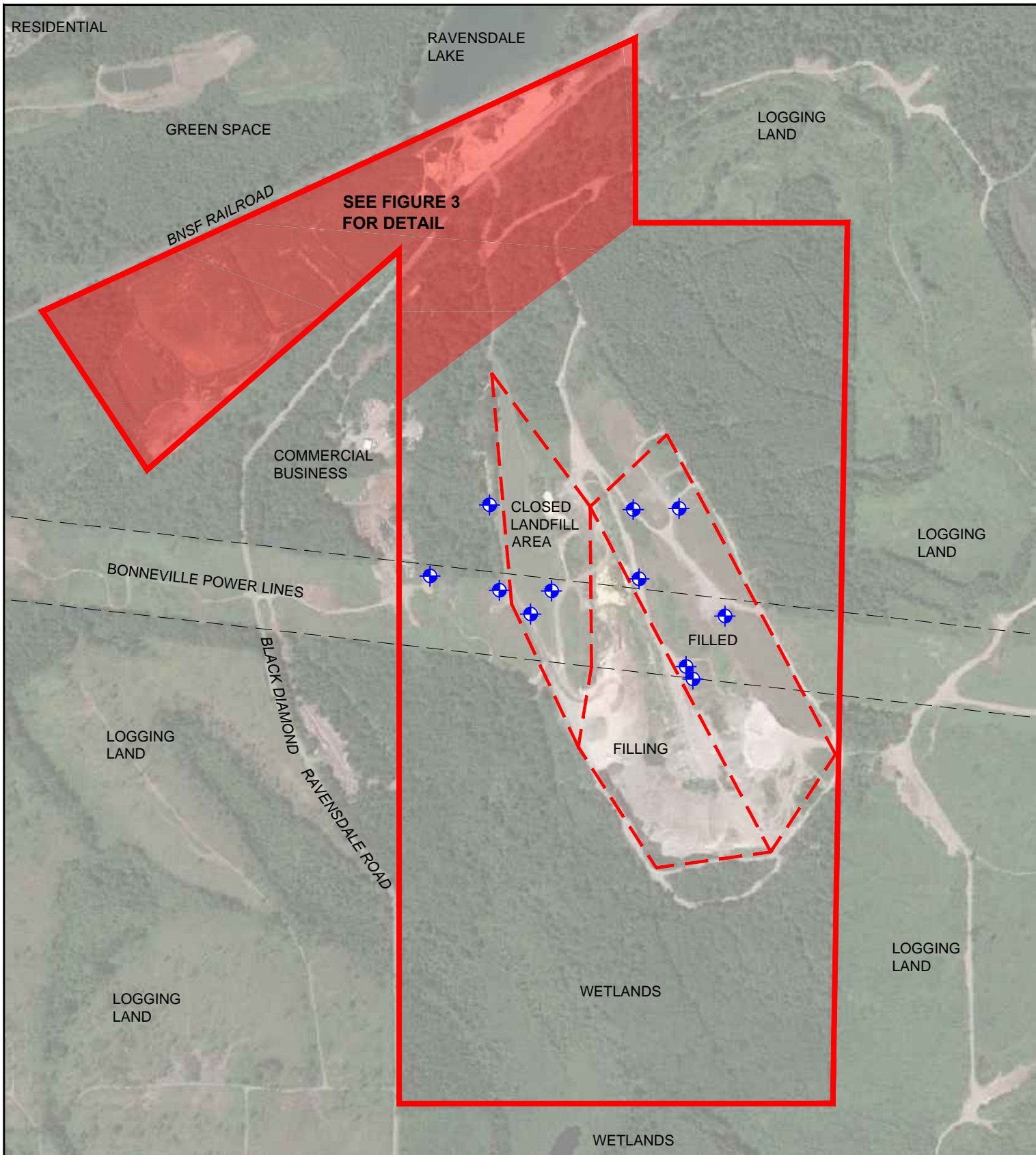
Drawn By: DEW

Checked By: BP

Date: 11/12/2014

Disk Reference: 128002

FARALLON PN: 1280-002



**LEGEND**

- SITE
- - - FORMER SAND MINE
- ◆ GROUNDWATER MONITORING WELL



Washington  
Issaquah | Bellingham | Seattle

Oregon  
Portland

California  
Oakland | Sacramento

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**FIGURE 2**  
SITE PLAN  
RAVENSDALE PARCELS  
RAVENSDALE, WASHINGTON

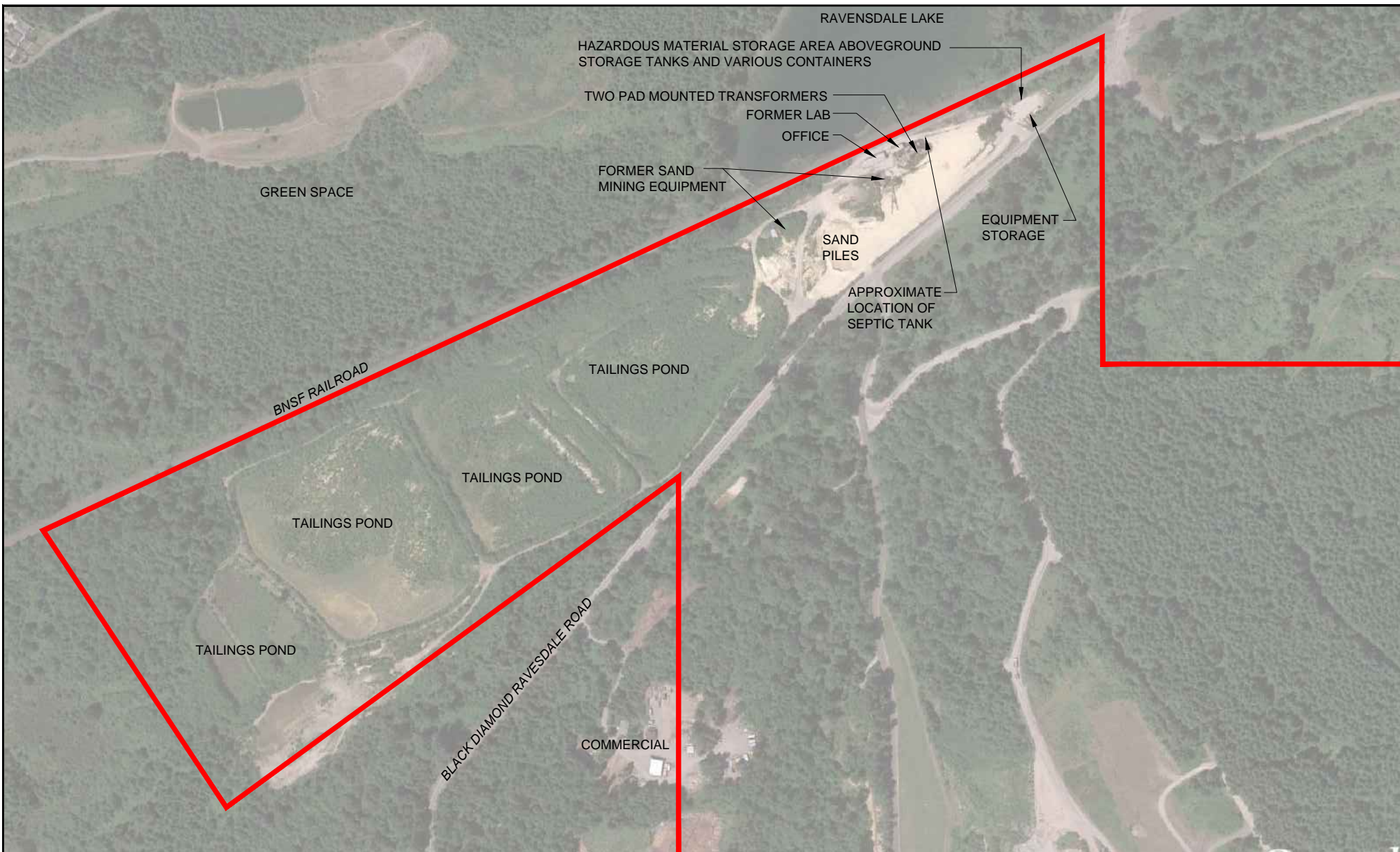
FARALLON PN: 1280-002

Drawn By: DEW


Checked By: BP

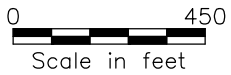
Date: 11/12/2014

Disk Reference: 128002



**LEGEND**

 SITE




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Washington  
Issaquah | Bellingham | Seattle

Oregon  
Portland

California  
Oakland | Sacramento

**FIGURE 3**

SITE DETAIL  
RAVENSDALE PARCELS  
RAVENSDALE, WASHINGTON

FARALLON PN: 1280-002

Drawn By: DEW

Checked By: BP

Date: 11/12/2014 Disk Reference: 1280002

**APPENDIX A**  
**PROFESSIONAL QUALIFICATIONS**

PHASE I  
ENVIRONMENTAL SITE ASSESSMENT REPORT  
King County Tax Parcel Nos. 3622069065, 0121069002, and 3522069018  
Ravensdale, Washington

Farallon PN: 1280-002

**EMERALD J. ERICKSON-MULANAX, L.G., R.G.**  
Project Geologist

BS Earth and Space Sciences  
MS Geological Sciences  
5 years experience

Ms. Erickson-Mulanax is a Washington- and Oregon-Licensed/Registered Geologist with over 5 years of professional experience in various aspects of geotechnical and environmental work. She has conducted Phase I and Phase II Environmental Site Assessments; soil, subslab soil gas, and indoor and ambient air sampling, groundwater and surface water monitoring and sampling; and well installations. Additional experience includes UST assessment and closure; remedial construction observation; EPA 104(e) response preparation, and litigation support for projects in Washington, Oregon, and Alaska. Ms. Erickson-Mulanax is the lead for Farallon's Going Greener initiative, promoting Green and Sustainable Remediation practices within the firm. She is an active member of the Sustainable Remediation Forum.

**TINA M. HUFF**  
Senior Regulatory Specialist

BA Environmental Studies  
14 years experience

Ms. Huff has a broad range of experience with environmental due diligence and regulatory requirements. She manages and conducts environmental due diligence for property transactions, including Phase I ESAs, risk assessment audits, environmental compliance audits, and Phase II Site Investigations throughout the western United States. She is Asbestos Hazard Emergency Response Act-certified for asbestos, and has completed training for ASTM E1527-13 Phase I ESA protocol and for mold in construction. Ms. Huff has certificates in Dangerous Waste Management and Occupational Safety and Health Administration Compliance.



**APPENDIX B**  
**SITE PHOTOGRAPHS**

PHASE I  
ENVIRONMENTAL SITE ASSESSMENT REPORT  
King County Tax Parcel Nos. 3622069065, 0121069002, and 3522069018  
Ravensdale, Washington

Farallon PN: 1280-002

## **SITE PHOTOGRAPHS**

### **Phase I Environmental Site Assessment**

**King County Tax Parcel Nos. 3622069065, 0121069002, and 3522069018  
Ravensdale, Washington  
Farallon PN: 1280-002**

- Photograph 1:** Office building and former sand mining equipment, looking southeast.
- Photograph 2:** Interior of former laboratory building.
- Photograph 3:** Equipment storage area, aboveground storage tank (AST) and drums, looking east.
- Photograph 4:** Diesel AST and hazardous materials storage in equipment storage area.
- Photograph 5:** Hydraulic oil drum and antifreeze in hazardous materials storage in equipment storage area.
- Photograph 6:** Empty gasoline AST and other hazardous material containers under canopy in equipment storage area.
- Photograph 7:** Hazardous materials storage container in equipment storage area.
- Photograph 8:** Sand piles, former sand mining equipment, and office on northeast portion of Site, looking east.
- Photograph 9:** Sand mine filling area, looking west.
- Photograph 10:** Sand mine filling operations, Bonneville power lines, and west-adjacent properties, looking west.
- Photograph 11:** Sand mine filling operations, looking northwest.
- Photograph 12:** Sand piles, looking northwest.
- Photograph 13:** Tailings pond area, looking west.
- Photograph 14:** Pad-mounted transformers on northeastern portion of Site, looking east.
- Photograph 15:** North-adjacent railroad tracks and Ravensdale Lake.



**SITE PHOTOGRAPHS (continued)**  
**Phase I Environmental Site Assessment**  
**King County Tax Parcel Nos. 3622069065, 0121069002, and 3522069018**  
**Ravensdale, Washington**



**Photograph 1:** Office building and former sand mining equipment, looking southeast.



**Photograph 2:** Interior of former laboratory building.



**SITE PHOTOGRAPHS (continued)**  
**Phase I Environmental Site Assessment**  
**King County Tax Parcel Nos. 3622069065, 0121069002, and 3522069018**  
**Ravensdale, Washington**



**Photograph 3:** Equipment storage area, aboveground storage tank (AST) and drums, looking east.



**Photograph 4:** Diesel AST and hazardous materials storage in equipment storage area.



**SITE PHOTOGRAPHS (continued)**  
**Phase I Environmental Site Assessment**  
**King County Tax Parcel Nos. 3622069065, 0121069002, and 3522069018**  
**Ravensdale, Washington**



**Photograph 5:** Hydraulic oil drum and antifreeze in hazardous materials storage in equipment storage area.



**Photograph 6:** Empty gasoline AST and other hazardous material containers under canopy in equipment storage area.



**SITE PHOTOGRAPHS (continued)**  
**Phase I Environmental Site Assessment**  
**King County Tax Parcel Nos. 3622069065, 0121069002, and 3522069018**  
**Ravensdale, Washington**



**Photograph 7:** Hazardous materials storage container in equipment storage area.



**Photograph 8:** Sand piles, former sand mining equipment, and office on northeast portion of Site, looking east.



**SITE PHOTOGRAPHS (continued)**  
**Phase I Environmental Site Assessment**  
**King County Tax Parcel Nos. 3622069065, 0121069002, and 3522069018**  
**Ravensdale, Washington**



**Photograph 9:** Sand mine filling area, looking west.



**Photograph 10:** Sand mine filling operations, Bonneville power lines, and west-adjacent properties, looking west.



**SITE PHOTOGRAPHS (continued)**  
**Phase I Environmental Site Assessment**  
**King County Tax Parcel Nos. 3622069065, 0121069002, and 3522069018**  
**Ravensdale, Washington**



**Photograph 11:** Sand mine filling operations, looking northwest.



**Photograph 12:** Sand piles, looking northwest.





**SITE PHOTOGRAPHS (continued)**  
**Phase I Environmental Site Assessment**  
**King County Tax Parcel Nos. 3622069065, 0121069002, and 3522069018**  
**Ravensdale, Washington**



**Photograph 13:** Tailings pond area, looking west.



**Photograph 14:** Pad-mounted transformers on northeastern portion of Site, looking east.



**SITE PHOTOGRAPHS (continued)**  
**Phase I Environmental Site Assessment**  
**King County Tax Parcel Nos. 3622069065, 0121069002, and 3522069018**  
**Ravensdale, Washington**



**Photograph 15:** North-adjacent railroad tracks and Ravensdale Lake.

**APPENDIX C  
USER QUESTIONNAIRE**

PHASE I  
ENVIRONMENTAL SITE ASSESSMENT REPORT  
King County Tax Parcel Nos. 3622069065, 0121069002, and 3522069018  
Ravensdale, Washington

Farallon PN: 1280-002

# PHASE I ENVIRONMENTAL SITE ASSESSMENT USER QUESTIONNAIRE

To qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001, the Phase I Environmental Site Assessment (Phase I ESA) Report user must provide the following information (if available) to the environmental professional (Farallon Consulting, L.L.C.). Failure to provide this information could result in the determination that "all appropriate inquiry" has not been completed.

Date: 11/17/14

## ■ PROJECT/SITE INFORMATION

Client Name: Reserve Silica Corporation Client Telephone: 425-432-1241

Client Address: PO Box 99 Ravensdale WA 98051

Asset #: Project/Site Name:

Project Street Address: 28131 Ravensdale/Black Diamond Rd

City: Ravensdale County: King State: WA Zip: 98051

Why is this Phase I ESA required?

Property Transaction:

Sale  Purchase  Exchange  Other

Comments:

Rezone of property for new Housing

## ■ PROPERTY USE & SPECIFICATIONS

Single-Family Residential  Vacant or Undeveloped Land

Multi-Family Residential #Units:  Agricultural (Specify type):

Commercial Office  Industrial (Specify type):

Commercial Retail  Other (Specify type): Sand Mining and Processing

Provide a general Site description: The site contains about 402 acres and has sand pits that are in the process of being reclaimed. The site contains a 57 acre sand processing site and clay tailing areas. The processing site is currently mothballed and will probably be dismantled. The used water to process the sand and flocculants and recycle the process water that is infiltrated back into the ground water.

Legal description/plat plan/boundary survey available?  Yes  No  Already provided

Current Property Status:  Vacant  Occupied  Improved  Unimproved

Total Property Size: 402 acres Original Construction Date: 1970

Total # of Buildings: 2 Was Construction Phased?  Yes  No  Unknown

Total Sq. Ft. of Buildings: Date(s) of Renovation(s)/Phases:

Does Site have an undeveloped area equal to 1 acre or more?  Yes  No

Are any bodies of water on or immediately adjacent to the Site?  Yes  No If Yes, describe:

Comments:

The Ravensdale lake is adjacent to the 57 acres plant site and is separated by the railroad line. There is a wetland that extends on the southern part of the property

Potable water source at Site?  On-Site well  Utility (Specify provider)

Wastewater discharge at Site?  Septic Tank/Drainfield  Sanitary Sewer  Other (Specify):

Building plans available at the Site?  Yes  No  Unknown  Already provided

**■ OWNERS**

Current Owner(s): Reserve Silica Corp (RSIL)

Previous Owner(s): Glacier Park

**■ OCCUPANTS/TENANTS**

Current Occupant(s)/Tenant(s) and operations: Since 1986 RSIL and its predecessor company have operated the property

Previous Occupant(s)/Tenant(s) and operations: Industrial Mineral Products operated under a lease from Glacier from the early 1970's until it sold the assets to RSIL's predecessor in 1986

**■ PREVIOUS PROPERTY USES**

Describe previous use(s) of the Site: Coal mining and processing occurred on the property from the early 1900's through 1956. Sand mining and processing commenced on the property in the early 1970's. Beginning in the 1980's two locations the Lower Disposal Area (LDA) and the Dale Strip Pit (DSP), accepted Cement Kiln Dust (CKD) from Ideal Cement Company and some waste glass. The DSP has been reclaimed since the 1990's and was the cap was recently recontoured. The LDA was reclaimed in the early 1980's. Since then, the LDA has leaked high pH water. Holcim the sucesor to Ideal Cement has had environmental responsibility for both sites.

**■ PREVIOUS INVESTIGATIONS**

Has any previous environmental investigation been conducted at Site?  Yes  No  Unknown

If Yes, note type and describe:  Phase I ESA  Asbestos  Lead Paint  Lead in Water

Radon  Wetlands  Indoor Air  UST/AST  Other (*Specify type below*)

Comments:

Extensive investigative work was performed all aspects of the operation starting in 2000 to establish a five year review for the Department of Permitting and Environmental Review

**■ ON-SITE ENVIRONMENTAL CONDITIONS**

Are you aware of any of the following environmental conditions at the Site, either current or former?

Environmental Condition/Issue	Response	Comment if Yes Response
Aboveground Storage Tank	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Fuel tank for operating equipment
Underground Storage Tank	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Fuel tank for previous dryer operations. Tank was protected several years ago
Hazardous/Toxic Substance	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Stored Chemical	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Chemical Spill/Release	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Dump Area/Landfill	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	The site has a clean fill and inert waste permit adminstered by the king County Health Dept
Waste Treatment System	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	When plant was operating tailing composed of clay andwater was consolidated in a claryifyer using standard floculants. The output of the clarifyer was

		deposited in a series of tailing pond
Wastewater Discharge	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	The clarified process water was infiltrated back into the ground water
Air Stack/Vent/Odor	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	During previous operations the sand dryer had wet system to clean the exhausted air
Indoor Air Quality Complaint	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Floor Drain/Sump	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	The plant site has a sump pump to pump storm water to the infiltration pond
Pit, Pond, Lagoon	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	The property has sand pits which are being back filled with clean/inert material. The property has two infiltration ponds - one associated with the tailing ponds and other just north of the LDA
Stained Soil/Vegetation Impact	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Other specialized knowledge of an environmental condition or issue at the Site?

#### ■ ADDITIONAL ON-SITE ENVIRONMENTAL CONDITIONS

Are you aware of any of the following environmental conditions on the Site, either current or former?

Environmental Condition/Issue	Response	Comment if Yes Response
Pesticide/Herbicide Use	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Polychlorinated Biphenyls	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Electrical Transformer	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Hydraulic Lift	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Elevator	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Drycleaner Business	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Asbestos	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Lead Paint	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Lead Piping/Lead in Water	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Elevated Radon Level	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Fluorescent Light Fixture	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	There are fluorescent lights in the office
Wetland, Flooding	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	As described above there is a wetland on the southern part of the property. Stormwater runoff is controlled thru a series of ditches that send the water into the wetland or the infiltration ponds. Water at the plant site is currently controlled by the sump pump
Unique Wildlife Species	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Archeological Resource	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Historic/National Landmark	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Oil/Gas Well	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Water Well	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Environmental Cleanup	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	As described above and ongoing clean up is occurring

		in the LDA
Environmental Permit	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<b>■ OFF-SITE ENVIRONMENTAL CONDITIONS</b>		
On adjoining property, are there any: Gasoline Stations? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No      Drycleaners? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Are you aware of any other environmental conditions or concerns on adjacent or nearby properties? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Comments		

**(1) Environmental cleanup liens that have been filed or recorded against the Site (Part 312.25 of Title 40 of the Code of Federal Regulations [40 CFR 312.25])**

Are you aware of any environmental cleanup liens against the Site that have been filed or recorded under federal, tribal, state, or local law?

No

**(2) Activity and land use limitations that are in place at the Site or that have been filed or recorded in a registry (40 CFR 312.26)**

Are you aware of any activity and land use limitation (such as engineering controls, land use restrictions, or institutional controls) that are in place at the Site and/or have been filed or recorded in a registry under federal, tribal, state, or local law?

The site is limited by its current zoning

**(3) Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28)**

As the user of the Phase I ESA Report, do you have any specialized knowledge or experience related to the Site or nearby properties? For example, are you involved in the same line of business as the current or former occupant(s) of the Site or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

Yes

**(4) Relationship of the purchase price to the fair market value of the Site if it were not contaminated (40 CFR 312.29)**

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

N/A

**(5) Commonly known or reasonably ascertainable information about the property (40 CFR 312.30)**

Are you aware of commonly known or reasonably ascertainable information about the Site that would help Farallon Consulting, L.L.C. to identify conditions indicative of a chemical or other release or threatened release? For example, as user of the Phase I ESA Report:

Do you know the past use(s) of the Site? (If yes, please specify.)

In the previous answers I described the prior uses of the property to the best of my knowledge

Do you know of a specific chemical(s) present at the Site, or present at one time? (If yes, please specify.)



See comments on LDA

Do you know of a chemical and/or other spill(s) or release(s) that have taken place at the Site? (If yes, please specify.)

See Comments on LDA.

Do you know of any environmental cleanup(s) that have taken place at the Site? (If yes, please specify.)

in 2005 Obyashi dumped high pH tunnel boring spoils in the upper pit. These materials were removed shortly thereafter

**(6) The degree of obviousness of the presence or likely presence of contamination at the Site, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31)**

As the user of the Phase I ESA Report, based on your knowledge and experience related to the Site, is there any obvious indicator(s) that point to the presence or likely presence of contamination at the Site? (If yes, please specify.)

See the LDA

**Identify all parties who will rely on the Phase I ESA Report, including:**

Name of Business: Reserve Silica Corp

Name of Contact: Bill or Frank Melfi

Address: 20 First Plaza, Suite 308, Albuquerque, NM 87102

Telephone Number: 505-247-2384

E-mail Address: bmelfi@swcp.com or fmelfi@swcp.com

**Has any party that will rely on the Phase I ESA Report required services beyond the standard ASTM E1527-13? (For example, an asbestos, lead-based paint, lead in drinking water, or wetlands investigation) (If yes, please specify.)**

No

**Who is the Site contact, and how can the contact be reached?**

Name of Business: See above contact info

Name of Contact:

Address:

Telephone Number:

E-mail Address:

**Are there any special terms and conditions that must be agreed upon by Farallon Consulting, L.L.C.?**  
(If yes, please specify.)

No

**APPENDIX D**  
**ENVIRONMENTAL DATABASE REPORT**

PHASE I  
ENVIRONMENTAL SITE ASSESSMENT REPORT  
King County Tax Parcel Nos. 3622069065, 0121069002, and 3522069018  
Ravensdale, Washington

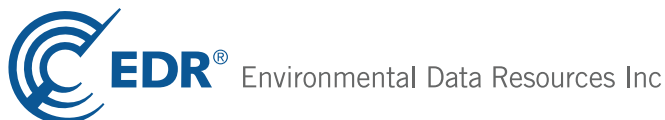
Farallon PN: 1280-002

**Ravensdale Parcels**

28130 and 28131 Black Diamond-Ravensdale Road SE  
Black Diamond, WA 98051

Inquiry Number: 4112198.2s  
October 22, 2014

**The EDR Radius Map™ Report with GeoCheck®**



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://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.

### Disclaimer - Copyright and Trademark Notice

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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

28130 AND 28131 BLACK DIAMOND-RAVENSDALE ROAD SE  
BLACK DIAMOND, WA 98051

#### COORDINATES

Latitude (North): 47.3422000 - 47° 20' 31.92"  
Longitude (West): 121.9906000 - 121° 59' 26.16"  
Universal Transverse Mercator: Zone 10  
UTM X (Meters): 576250.9  
UTM Y (Meters): 5243468.0  
Elevation: 853 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 47121-C8 CUMBERLAND, WA  
Most Recent Revision: 1993  
  
West Map: 47122-C1 BLACK DIAMOND, WA  
Most Recent Revision: 1994

### AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20110826  
Source: USDA

### TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
RESERVE SILICA CORP 28131 BLACK DIAMOND RAVENSDALE RD RAVENSDALE, WA 98051	ALLSITES	N/A

## EXECUTIVE SUMMARY

### DATABASES WITH NO MAPPED SITES

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

### STANDARD ENVIRONMENTAL RECORDS

#### ***Federal NPL site list***

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

#### ***Federal Delisted NPL site list***

Delisted NPL..... National Priority List Deletions

#### ***Federal CERCLIS list***

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 landfill and/or solid waste disposal site lists***

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

# EXECUTIVE SUMMARY

## ***State and tribal leaking storage tank lists***

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

## ***State and tribal registered storage tank lists***

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

## ***State and tribal institutional control / engineering control registries***

INST CONTROL..... Institutional Control Site List

## ***State and tribal voluntary cleanup sites***

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

## ***State and tribal Brownfields sites***

BROWNFIELDS..... Brownfields Sites Listing

## **ADDITIONAL ENVIRONMENTAL RECORDS**

### ***Local Brownfield lists***

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

### ***Local Lists of Landfill / Solid Waste Disposal Sites***

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

### ***Local Lists of Hazardous waste / Contaminated Sites***

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

### ***Local Land Records***

LIENS 2..... CERCLA Lien Information

### ***Records of Emergency Release Reports***

HMIRS..... Hazardous Materials Information Reporting System



## EXECUTIVE SUMMARY

SPILLS..... Reported Spills  
SPILLS 90..... SPILLS 90 data from FirstSearch

### **Other Ascertainable Records**

RCRA NonGen / NLR..... RCRA - Non Generators / No Longer Regulated  
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  
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  
EPA WATCH LIST..... EPA WATCH LIST  
Financial Assurance..... Financial Assurance Information Listing  
2020 COR ACTION..... 2020 Corrective Action Program List  
LEAD SMELTERS..... Lead Smelter Sites  
PRP..... Potentially Responsible Parties  
US AIRS..... Aerometric Information Retrieval System Facility Subsystem  
US FIN ASSUR..... Financial Assurance Information  
PCB TRANSFORMER..... PCB Transformer Registration Database  
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List  
COAL ASH..... Coal Ash Disposal Site Listing  
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 Auto Stat..... EDR Exclusive Historic Gas Stations  
EDR US Hist Cleaners..... EDR Exclusive Historic Dry Cleaners

### **EDR RECOVERED GOVERNMENT ARCHIVES**

#### ***Exclusive Recovered Govt. Archives***

RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank

## EXECUTIVE SUMMARY

RGA LF..... Recovered Government Archive Solid Waste Facilities List  
RGA HWS..... Recovered Government Archive State Hazardous Waste Facilities List

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

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

### STANDARD ENVIRONMENTAL RECORDS

#### ***State- and tribal - equivalent NPL***

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

A review of the HSL list, as provided by EDR, and dated 08/27/2014 has revealed that there are 2 HSL sites within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b><i>SAFFORD PROPERTY</i></b> Facility Type: Hazardous Sites List	<b><i>26930 262ND AVE SE</i></b>	<b><i>N 1/2 - 1 (0.717 mi.)</i></b>	<b><i>6</i></b>	<b><i>22</i></b>
<b><i>LANDSBURG MINE ROGERS SEAM</i></b> Facility Type: Hazardous Sites List	<b><i>KENT KANGLEY RD &amp; 268TH</i></b>	<b><i>NNE 1/2 - 1 (0.737 mi.)</i></b>	<b><i>7</i></b>	<b><i>25</i></b>

#### ***State- and tribal - equivalent CERCLIS***

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

A review of the CSCSL list, as provided by EDR, and dated 07/21/2014 has revealed that there are 3 CSCSL sites within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b><i>RESERVE SILICA CORPORATION</i></b>	<b><i>26000 BLACK DIAMOND &amp; R</i></b>	<b><i>0 - 1/8 (0.000 mi.)</i></b>	<b><i>3</i></b>	<b><i>9</i></b>
<b><i>SAFFORD PROPERTY</i></b>	<b><i>26930 262ND AVE SE</i></b>	<b><i>N 1/2 - 1 (0.717 mi.)</i></b>	<b><i>6</i></b>	<b><i>22</i></b>
<b><i>LANDSBURG MINE ROGERS SEAM</i></b>	<b><i>KENT KANGLEY RD &amp; 268TH</i></b>	<b><i>NNE 1/2 - 1 (0.737 mi.)</i></b>	<b><i>7</i></b>	<b><i>25</i></b>

# EXECUTIVE SUMMARY

## 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 08/06/2014 has revealed that there are 3 ALLSITES sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RAVENSDALE TRENCH FILLING	SOUTH OF 266TH AVE SE/S	0 - 1/8 (0.000 mi.)	2	8
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>RESERVE SILICA CORPORATION</b>	<b>26000 BLACK DIAMOND &amp; R</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>3</b>	<b>9</b>
RAVENSDALE PIT		NNW 0 - 1/8 (0.040 mi.)	4	15

### ***Other Ascertainable Records***

US MINES: Mines Master Index File. The source of this database is the Dept. of Labor, Mine Safety and Health Administration.

A review of the US MINES list, as provided by EDR, and dated 01/30/2014 has revealed that there is 1 US MINES site within approximately 0.25 miles of the target property.

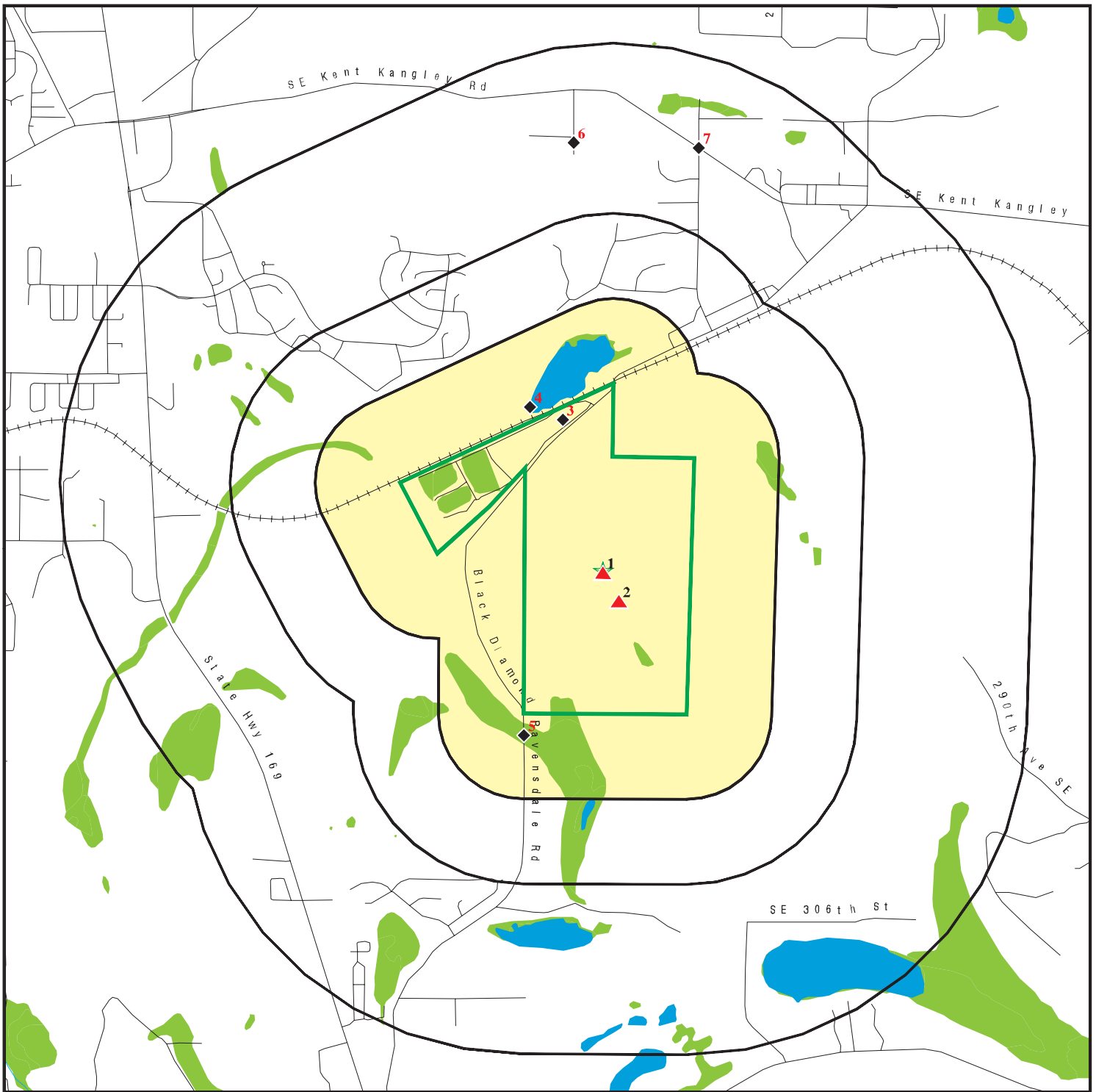
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RESERVE SILICA CORP		SSW 0 - 1/8 (0.064 mi.)	5	15

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 11 records.

<u>Site Name</u>	<u>Database(s)</u>
PLUM CREEK RAVENSDALE PROPERTY	RGA HWS
CITY OF BLACK DIAMOND SPECIAL COLL	SWF/LF
WASTE MOBILE COLLECTIONS	SWF/LF
WA DOT BRG 16918	RCRA NonGen / NLR
PLUM CREEK LAND COMPANY	RCRA NonGen / NLR
RESERVE SILICA CORPORATION	RCRA NonGen / NLR
CAMBRIDGE CEDAR GROVE	US BROWNFIELDS, FINDS
EXXON #7 3465	ICR
LAKESIDE INDUSTRIES, INC.	US MINES
CADMAN, INC.	US MINES
MUTUAL MATERIALS CO	US MINES

# OVERVIEW MAP - 4112198.2S



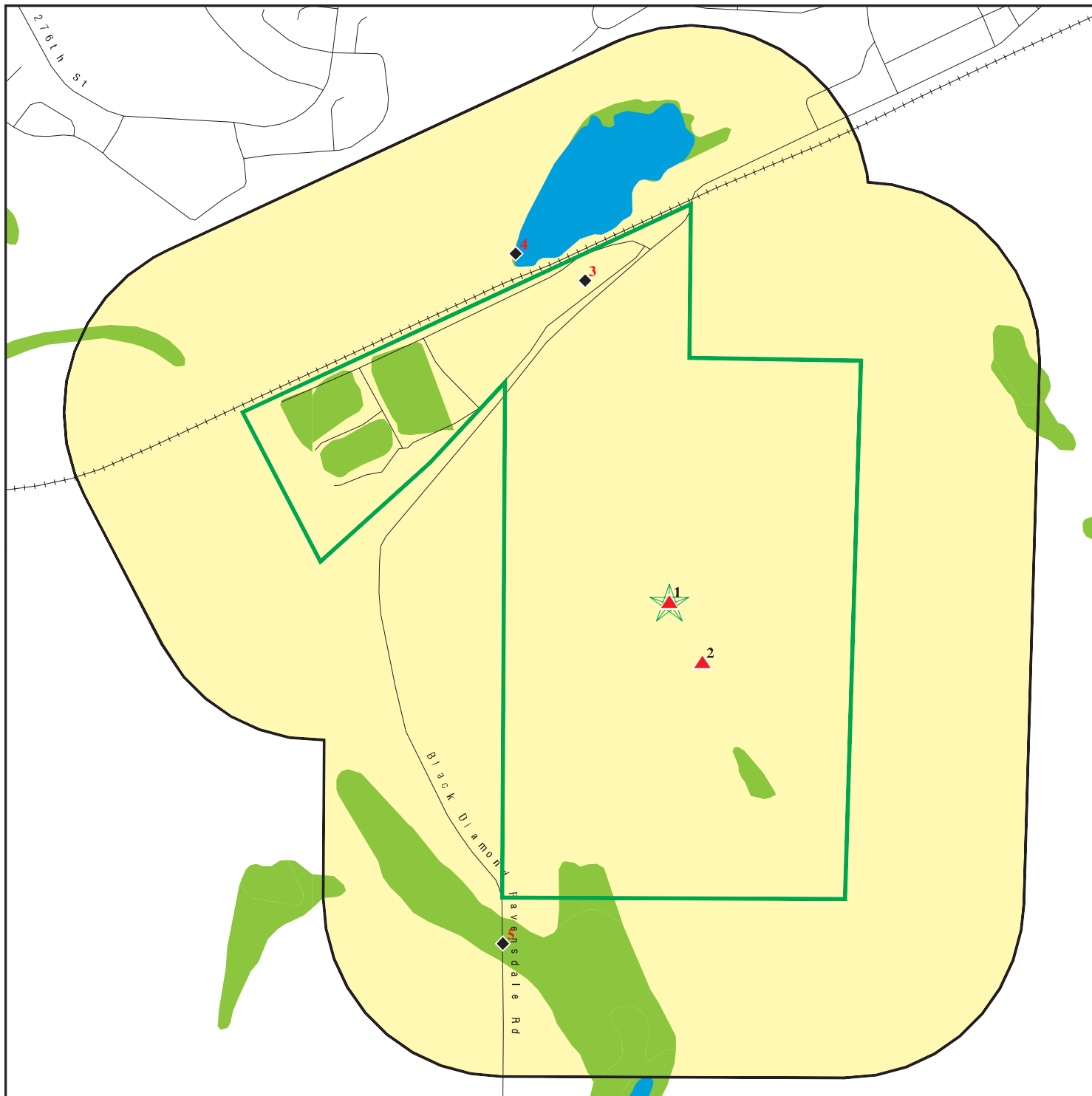
-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  National Priority List Sites
-  Dept. Defense Sites
-  Indian Reservations BIA
-  Oil & Gas pipelines from USGS
-  100-year flood zone
-  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: Ravensdale Parcels  
 ADDRESS: 28130 and 28131 Black Diamond-Ravensdale Road SE  
 Black Diamond WA 98051  
 LAT/LONG: 47.3422 / 121.9906

CLIENT: Farallon Consulting, LLC  
 CONTACT: Emerald Erickson-Mulanax  
 INQUIRY #: 4112198.2s  
 DATE: October 22, 2014 7:57 am

# DETAIL MAP - 4112198.2S



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

-  Indian Reservations BIA
-  Oil & Gas pipelines 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.

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CLIENT: Farallon Consulting, LLC  
 CONTACT: Emerald Erickson-Mulanax  
 INQUIRY #: 4112198.2s  
 DATE: October 22, 2014 7:57 am

## 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
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b><i>Federal NPL site list</i></b>								
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
<b><i>Federal Delisted NPL site list</i></b>								
Delisted NPL	1.000		0	0	0	0	NR	0
<b><i>Federal CERCLIS list</i></b>								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
<b><i>Federal CERCLIS NFRAP site List</i></b>								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA CORRACTS facilities list</i></b>								
CORRACTS	1.000		0	0	0	0	NR	0
<b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA generators list</i></b>								
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
<b><i>Federal institutional controls / engineering controls registries</i></b>								
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
<b><i>Federal ERNS list</i></b>								
ERNS	TP		NR	NR	NR	NR	NR	0
<b><i>State- and tribal - equivalent NPL</i></b>								
HSL	1.000		0	0	0	2	NR	2
<b><i>State- and tribal - equivalent CERCLIS</i></b>								
CSCSL	1.000		1	0	0	2	NR	3
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
SWF/LF	0.500		0	0	0	NR	NR	0
<b><i>State and tribal leaking storage tank lists</i></b>								
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
<b>State and tribal registered storage tank lists</b>								
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
<b>State and tribal institutional control / engineering control registries</b>								
INST CONTROL	0.500		0	0	0	NR	NR	0
<b>State and tribal voluntary cleanup sites</b>								
VCP	0.500		0	0	0	NR	NR	0
ICR	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
<b>State and tribal Brownfields sites</b>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b>ADDITIONAL ENVIRONMENTAL RECORDS</b>								
<b>Local Brownfield lists</b>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Landfill / Solid Waste Disposal Sites</b>								
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
SWTIRE	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
<b>Local Lists of Hazardous waste / Contaminated Sites</b>								
US CDL	TP		NR	NR	NR	NR	NR	0
ALLSITES	0.500	1	3	0	0	NR	NR	4
CSCSL NFA	0.500		0	0	0	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
HIST CDL	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
<b>Local Land Records</b>								
LIENS 2	TP		NR	NR	NR	NR	NR	0
<b>Records of Emergency Release Reports</b>								
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
<b>Other Ascertainable Records</b>								
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		1	0	NR	NR	NR	1
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
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
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
COAL ASH	0.500		0	0	0	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	0	NR	NR	NR	0
EDR US Hist Cleaners	0.250		0	0	NR	NR	NR	0

### EDR RECOVERED GOVERNMENT ARCHIVES

#### *Exclusive Recovered Govt. Archives*

RGA LUST	TP		NR	NR	NR	NR	NR	0
----------	----	--	----	----	----	----	----	---

## MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>&lt; 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt; 1</u>	<u>Total Plotted</u>
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA HWS	TP		NR	NR	NR	NR	NR	0

**NOTES:**

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number  
EPA ID Number

**1** RESERVE SILICA CORP  
**Target** 28131 BLACK DIAMOND RAVENSDALE RD  
**Property** RAVENSDALE, WA 98051

**ALLSITES** S110276158  
N/A

**Actual:**  
**853 ft.**

ALLSITES:  
Facility Id: 19532  
Latitude: 47.3455244  
Longitude: -121.99742  
Ecology Interest Type Code: LANDFILL  
Facility ID: 19532  
Facility Company: Reserve Silica Corp  
Interaction: I  
Interaction 1: LANDFILL  
Interaction 2: Landfill  
Ecology Program: W2R  
Program Data: SWFD  
Facility Alt.: Reserve Silica Corp  
Program ID: Not reported  
Date Interaction: 1/1/1900 0:00  
Date Interaction 3: 12/31/1999 0:00  
  
Facility/Site Interaction T: 91170  
Geographic Location Identifier (Alias Facid): 19532  
Interaction (Aka Env Int) Type Code: LANDFILL  
Interaction (Aka Env Int) Description: Landfill  
Interaction Status: I  
Federal Program Identifier: Not reported  
Interaction Start Date: 01/01/1900  
Interaction End Date: 12/31/1999  
prgm\_facil: Reserve Silica Corp  
cur\_sys\_pr: W2R  
cur\_sys\_nm: SWFD

**2** RAVENSDALE TRENCH FILLING  
**< 1/8** SOUTH OF 266TH AVE SE/SE RAVENSDALE WAY  
**1 ft.** RAVENSDALE, WA 98051

**ALLSITES** S110993509  
N/A

**Relative:**  
**Higher**

**Actual:**  
**878 ft.**

ALLSITES:  
Facility Id: 4343  
Latitude: 47.3409825  
Longitude: -121.98961  
Ecology Interest Type Code: CONSTGP  
Facility ID: 4343  
Facility Company: Ravensdale Trench Filling  
Interaction: A  
Interaction 1: CONSTGP  
Interaction 2: Construction SW GP  
Ecology Program: WATQUAL  
Program Data: PARIS  
Facility Alt.: Ravensdale Trench Filling  
Program ID: WAR124915  
Date Interaction: 7/31/2008 0:00  
Date Interaction 3: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**3**                    **RESERVE SILICA CORPORATION**  
**26000 BLACK DIAMOND & RAVENSDALE RD**  
**RAVENSDALE, WA 98051**

**< 1/8**  
**1 ft.**

**CSCSL**    **S106249876**  
**ALLSITES**    **N/A**  
**NPDES**

**Relative:**  
**Lower**

**Actual:**  
**600 ft.**

CSCSL:

Facility ID:            2041  
 Region:                Northwest  
 Lat/Long:             47.3487 / -121.9931  
 Brownfield Status:   Not reported  
 Rank Status:           N  
 Clean Up Siteid:     4728  
 Site Status:           Awaiting Cleanup  
 PSI?:                   Not reported  
 Contaminant Name:   Corrosive Wastes  
 Ground Water:        Suspected  
 Surface Water:        Suspected  
 Soil:                    Suspected  
 Sediment:             Not reported  
 Air:                     Not reported  
 Bedrock:              Not reported  
 Responsible Unit:    Northwest

Facility ID:            2041  
 Region:                Northwest  
 Lat/Long:             47.3487 / -121.9931  
 Brownfield Status:   Not reported  
 Rank Status:           N  
 Clean Up Siteid:     4728  
 Site Status:           Awaiting Cleanup  
 PSI?:                   Not reported  
 Contaminant Name:   Metals Priority Pollutants  
 Ground Water:        Suspected  
 Surface Water:        Suspected  
 Soil:                    Suspected  
 Sediment:             Not reported  
 Air:                     Not reported  
 Bedrock:              Not reported  
 Responsible Unit:    Northwest

ALLSITES:

Facility Id:             2041  
 Latitude:               47.3487  
 Longitude:             -121.9931  
 Ecology Interest Type Code:    SCS

Facility ID:             2041  
 Facility Company:       RESERVE SILICA CORPORATION  
 Interaction:             I  
 Interaction 1:           HWG  
 Interaction 2:           Hazardous Waste Generator  
 Ecology Program:       HAZWASTE  
 Program Data:           TURBOWASTE  
 Facility Alt.:            Not reported  
 Program ID:             WAD988491643  
 Date Interaction:       7/25/1991 0:00  
 Date Interaction 3:     12/31/1991 0:00

Facility ID:             2041  
 Facility Company:       RESERVE SILICA CORPORATION

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RESERVE SILICA CORPORATION (Continued)**

**S106249876**

Interaction: A  
Interaction 1: SCS  
Interaction 2: State Cleanup Site  
Ecology Program: TOXICS  
Program Data: ISIS  
Facility Alt.: RESERVE SILICA CORPORATION  
Program ID: Not reported  
Date Interaction: 1/1/1900 0:00  
Date Interaction 3: Not reported

Facility ID: 2041  
Facility Company: RESERVE SILICA CORPORATION  
Interaction: I  
Interaction 1: SANDGP  
Interaction 2: Sand and Gravel GP  
Ecology Program: WATQUAL  
Program Data: PARIS  
Facility Alt.: RESERVE SILICA  
Program ID: ST0005136  
Date Interaction: 3/26/1985 0:00  
Date Interaction 3: 3/26/1990 0:00

Facility ID: 2041  
Facility Company: RESERVE SILICA CORPORATION  
Interaction: A  
Interaction 1: SANDGP  
Interaction 2: Sand and Gravel GP  
Ecology Program: WATQUAL  
Program Data: PARIS  
Facility Alt.: RESERVE SILICA  
Program ID: WAG503029  
Date Interaction: 9/30/1994 0:00  
Date Interaction 3: Not reported

Facility/Site Interaction T: 3276  
Geographic Location Identifier (Alias Facid): 2041  
Interaction (Aka Env Int) Type Code: HWG  
Interaction (Aka Env Int) Description: Hazardous Waste Generator  
Interaction Status: I  
Federal Program Identifier: WAD988491643  
Interaction Start Date: 07/25/1991  
Interaction End Date: 12/31/1991  
prgm\_facil: Not reported  
cur\_sys\_pr: HAZWASTE  
cur\_sys\_nm: TURBOWASTE

Facility/Site Interaction T: 3278  
Geographic Location Identifier (Alias Facid): 2041  
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: 01/01/1900  
Interaction End Date: Not reported  
prgm\_facil: RESERVE SILICA CORPORATION  
cur\_sys\_pr: TOXICS  
cur\_sys\_nm: ISIS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RESERVE SILICA CORPORATION (Continued)**

**S106249876**

Facility/Site Interaction T: 81000  
Geographic Location Identifier (Alias Facid): 2041  
Interaction (Aka Env Int) Type Code: SANDGP  
Interaction (Aka Env Int) Description: Sand and Gravel GP  
Interaction Status: A  
Federal Program Identifier: ST0005136  
Interaction Start Date: 03/26/1985  
Interaction End Date: Not reported  
prgm\_facil: RESERVE SILICA  
cur\_sys\_pr: WATQUAL  
cur\_sys\_nm: PARIS

Facility/Site Interaction T: 81001  
Geographic Location Identifier (Alias Facid): 2041  
Interaction (Aka Env Int) Type Code: SANDGP  
Interaction (Aka Env Int) Description: Sand and Gravel GP  
Interaction Status: A  
Federal Program Identifier: WAG503029  
Interaction Start Date: 09/30/1994  
Interaction End Date: Not reported  
prgm\_facil: RESERVE SILICA  
cur\_sys\_pr: WATQUAL  
cur\_sys\_nm: PARIS

Facility Id: 2041  
Latitude: 47.3487  
Longitude: -121.9931  
Ecology Interest Type Code: HWG  
Facility ID: 2041  
Facility Company: RESERVE SILICA CORPORATION  
Interaction: I  
Interaction 1: HWG  
Interaction 2: Hazardous Waste Generator  
Ecology Program: HAZWASTE  
Program Data: TURBOWASTE  
Facility Alt.: Not reported  
Program ID: WAD988491643  
Date Interaction: 7/25/1991 0:00  
Date Interaction 3: 12/31/1991 0:00

Facility ID: 2041  
Facility Company: RESERVE SILICA CORPORATION  
Interaction: A  
Interaction 1: SCS  
Interaction 2: State Cleanup Site  
Ecology Program: TOXICS  
Program Data: ISIS  
Facility Alt.: RESERVE SILICA CORPORATION  
Program ID: Not reported  
Date Interaction: 1/1/1900 0:00  
Date Interaction 3: Not reported

Facility ID: 2041  
Facility Company: RESERVE SILICA CORPORATION  
Interaction: I  
Interaction 1: SANDGP

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RESERVE SILICA CORPORATION (Continued)**

**S106249876**

Interaction 2: Sand and Gravel GP  
Ecology Program: WATQUAL  
Program Data: PARIS  
Facility Alt.: RESERVE SILICA  
Program ID: ST0005136  
Date Interaction: 3/26/1985 0:00  
Date Interaction 3: 3/26/1990 0:00

Facility ID: 2041  
Facility Company: RESERVE SILICA CORPORATION  
Interaction: A  
Interaction 1: SANDGP  
Interaction 2: Sand and Gravel GP  
Ecology Program: WATQUAL  
Program Data: PARIS  
Facility Alt.: RESERVE SILICA  
Program ID: WAG503029  
Date Interaction: 9/30/1994 0:00  
Date Interaction 3: Not reported

Facility/Site Interaction T: 3276  
Geographic Location Identifier (Alias Facid): 2041  
Interaction (Aka Env Int) Type Code: HWG  
Interaction (Aka Env Int) Description: Hazardous Waste Generator  
Interaction Status: I  
Federal Program Identifier: WAD988491643  
Interaction Start Date: 07/25/1991  
Interaction End Date: 12/31/1991  
prgm\_facil: Not reported  
cur\_sys\_pr: HAZWASTE  
cur\_sys\_nm: TURBOWASTE

Facility/Site Interaction T: 3278  
Geographic Location Identifier (Alias Facid): 2041  
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: 01/01/1900  
Interaction End Date: Not reported  
prgm\_facil: RESERVE SILICA CORPORATION  
cur\_sys\_pr: TOXICS  
cur\_sys\_nm: ISIS

Facility/Site Interaction T: 81000  
Geographic Location Identifier (Alias Facid): 2041  
Interaction (Aka Env Int) Type Code: SANDGP  
Interaction (Aka Env Int) Description: Sand and Gravel GP  
Interaction Status: A  
Federal Program Identifier: ST0005136  
Interaction Start Date: 03/26/1985  
Interaction End Date: Not reported  
prgm\_facil: RESERVE SILICA  
cur\_sys\_pr: WATQUAL  
cur\_sys\_nm: PARIS

Facility/Site Interaction T: 81001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RESERVE SILICA CORPORATION (Continued)**

**S106249876**

Geographic Location Identifier (Alias Facid): 2041  
Interaction (Aka Env Int) Type Code: SANDGP  
Interaction (Aka Env Int) Description: Sand and Gravel GP  
Interaction Status: A  
Federal Program Identifier: WAG503029  
Interaction Start Date: 09/30/1994  
Interaction End Date: Not reported  
prgm\_facil: RESERVE SILICA  
cur\_sys\_pr: WATQUAL  
cur\_sys\_nm: PARIS

Facility Id: 2041  
Latitude: 47.3487  
Longitude: -121.9931  
Ecology Interest Type Code: SANDGP  
Facility ID: 2041  
Facility Company: RESERVE SILICA CORPORATION  
Interaction: I  
Interaction 1: HWG  
Interaction 2: Hazardous Waste Generator  
Ecology Program: HAZWASTE  
Program Data: TURBOWASTE  
Facility Alt.: Not reported  
Program ID: WAD988491643  
Date Interaction: 7/25/1991 0:00  
Date Interaction 3: 12/31/1991 0:00

Facility ID: 2041  
Facility Company: RESERVE SILICA CORPORATION  
Interaction: A  
Interaction 1: SCS  
Interaction 2: State Cleanup Site  
Ecology Program: TOXICS  
Program Data: ISIS  
Facility Alt.: RESERVE SILICA CORPORATION  
Program ID: Not reported  
Date Interaction: 1/1/1900 0:00  
Date Interaction 3: Not reported

Facility ID: 2041  
Facility Company: RESERVE SILICA CORPORATION  
Interaction: I  
Interaction 1: SANDGP  
Interaction 2: Sand and Gravel GP  
Ecology Program: WATQUAL  
Program Data: PARIS  
Facility Alt.: RESERVE SILICA  
Program ID: ST0005136  
Date Interaction: 3/26/1985 0:00  
Date Interaction 3: 3/26/1990 0:00

Facility ID: 2041  
Facility Company: RESERVE SILICA CORPORATION  
Interaction: A  
Interaction 1: SANDGP  
Interaction 2: Sand and Gravel GP



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RESERVE SILICA CORPORATION (Continued)**

**S106249876**

Ecology Program:	WATQUAL
Program Data:	PARIS
Facility Alt.:	RESERVE SILICA
Program ID:	WAG503029
Date Interaction:	9/30/1994 0:00
Date Interaction 3:	Not reported
Facility/Site Interaction T:	3276
Geographic Location Identifier (Alias Facid):	2041
Interaction (Aka Env Int) Type Code:	HWG
Interaction (Aka Env Int) Description:	Hazardous Waste Generator
Interaction Status:	I
Federal Program Identifier:	WAD988491643
Interaction Start Date:	07/25/1991
Interaction End Date:	12/31/1991
prgm_facil:	Not reported
cur_sys_pr:	HAZWASTE
cur_sys_nm:	TURBOWASTE
Facility/Site Interaction T:	3278
Geographic Location Identifier (Alias Facid):	2041
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:	01/01/1900
Interaction End Date:	Not reported
prgm_facil:	RESERVE SILICA CORPORATION
cur_sys_pr:	TOXICS
cur_sys_nm:	ISIS
Facility/Site Interaction T:	81000
Geographic Location Identifier (Alias Facid):	2041
Interaction (Aka Env Int) Type Code:	SANDGP
Interaction (Aka Env Int) Description:	Sand and Gravel GP
Interaction Status:	A
Federal Program Identifier:	ST0005136
Interaction Start Date:	03/26/1985
Interaction End Date:	Not reported
prgm_facil:	RESERVE SILICA
cur_sys_pr:	WATQUAL
cur_sys_nm:	PARIS
Facility/Site Interaction T:	81001
Geographic Location Identifier (Alias Facid):	2041
Interaction (Aka Env Int) Type Code:	SANDGP
Interaction (Aka Env Int) Description:	Sand and Gravel GP
Interaction Status:	A
Federal Program Identifier:	WAG503029
Interaction Start Date:	09/30/1994
Interaction End Date:	Not reported
prgm_facil:	RESERVE SILICA
cur_sys_pr:	WATQUAL
cur_sys_nm:	PARIS

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**RESERVE SILICA CORPORATION (Continued)**

**S106249876**

NPDES:  
 Facility Status: Active  
 Facility Type: Sand and Gravel GP  
 Admin Region: Northwest  
 Date Issued: 08/04/2010  
 Latitude: 47.34870000  
 Longitude: -121.9931  
 Permit ID: WAG503029  
 Permit Version: 4  
 Permit Status: Active  
 Permit SubStatus: Coverage Issued  
 Ecology Contact: Cynthia Walcker  
 WRIA: Duwamish-Green  
 Permit Expiration Date: 10/01/2015  
 Effective Date: 10/01/2010  
 Days to Expiration: 391

**4**  
**NNW**  
**< 1/8**  
**0.040 mi.**  
**213 ft.**

**RAVENSDALE PIT**  
**RAVENSDALE, WA 98051**

**ALLSITES S109556986**  
**N/A**

**Relative:**  
**Lower**  
  
**Actual:**  
**594 ft.**

ALLSITES:  
 Facility Id: 28678433  
 Latitude: 47.349248  
 Longitude: -121.99517  
 Ecology Interest Type Code: DAM  
 Facility ID: 28678433  
 Facility Company: Ravensdale Pit  
 Interaction: A  
 Interaction 1: DAM  
 Interaction 2: Dam Site  
 Ecology Program: WATRES  
 Program Data: DSS  
 Facility Alt.: Not reported  
 Program ID: Not reported  
 Date Interaction: 5/26/1999 0:00  
 Date Interaction 3: Not reported

**5**  
**SSW**  
**< 1/8**  
**0.064 mi.**  
**338 ft.**

**RESERVE SILICA CORP**  
**KING (County), WA**

**US MINES 1012222317**  
**N/A**

**Relative:**  
**Lower**  
  
**Actual:**  
**666 ft.**

US MINES:  
 Mine ID: 4500823  
 SIC code(s): 14410 00000 00000 00000 00000 00000  
 Entity name: RESERVE SILICA CORPO  
 Company: RESERVE SILICA CORP  
 State FIPS code: WA  
 County FIPS code: KING  
 Status: 4  
 Status date: 20101011

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RESERVE SILICA CORP (Continued)**

**101222317**

Operation Class: non-Coal Mining  
Number of shops: 0  
Number of plants: 0  
Latitude: 47 20 07  
Longitude: 121 59 44

Violations Details:

Violation Number: 6384898  
Date Issued: 12/01/2006  
Mine Status: Abandoned  
Status Date: 10/11/2010  
Action Type: 104(a)  
Date Abated: 12/01/2006  
Citation/Order: Citation  
Sig and Sub Designation: Y  
Proposed Penalty: 305.00  
Paid Penalty: 305.00  
Assessment Status code: Closed  
Assess. Case Status code: Proposed  
Assessment Amount: 305.00  
Year: 2006

Violation Number: 6344295  
Date Issued: 11/21/2002  
Mine Status: Abandoned  
Status Date: 10/11/2010  
Action Type: 104(a)  
Date Abated: 11/21/2002  
Citation/Order: Citation  
Sig and Sub Designation: N  
Proposed Penalty: 55.00  
Paid Penalty: 55.00  
Assessment Status code: Closed  
Assess. Case Status code: Proposed  
Assessment Amount: 55.00  
Year: 2002

Violation Number: 6344291  
Date Issued: 11/20/2002  
Mine Status: Abandoned  
Status Date: 10/11/2010  
Action Type: 104(a)  
Date Abated: 11/21/2002  
Citation/Order: Citation  
Sig and Sub Designation: N  
Proposed Penalty: 55.00  
Paid Penalty: 55.00  
Assessment Status code: Closed  
Assess. Case Status code: Proposed  
Assessment Amount: 55.00  
Year: 2002

Violation Number: 6344290  
Date Issued: 11/20/2002  
Mine Status: Abandoned  
Status Date: 10/11/2010  
Action Type: 104(a)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RESERVE SILICA CORP (Continued)**

101222317

Date Abated: 11/20/2002  
Citation/Order: Citation  
Sig and Sub Designation: Y  
Proposed Penalty: 113.00  
Paid Penalty: 113.00  
Assessment Status code: Closed  
Assess. Case Status code: Proposed  
Assessment Amount: 113.00  
Year: 2002

Violation Number: 6344288  
Date Issued: 11/19/2002  
Mine Status: Abandoned  
Status Date: 10/11/2010  
Action Type: 104(a)  
Date Abated: 11/20/2002  
Citation/Order: Citation  
Sig and Sub Designation: N  
Proposed Penalty: 55.00  
Paid Penalty: 55.00  
Assessment Status code: Closed  
Assess. Case Status code: Proposed  
Assessment Amount: 55.00  
Year: 2002

Violation Number: 6344287  
Date Issued: 11/19/2002  
Mine Status: Abandoned  
Status Date: 10/11/2010  
Action Type: 104(a)  
Date Abated: 11/20/2002  
Citation/Order: Citation  
Sig and Sub Designation: Y  
Proposed Penalty: 113.00  
Paid Penalty: 113.00  
Assessment Status code: Closed  
Assess. Case Status code: Proposed  
Assessment Amount: 113.00  
Year: 2002

Violation Number: 6344286  
Date Issued: 11/19/2002  
Mine Status: Abandoned  
Status Date: 10/11/2010  
Action Type: 104(a)  
Date Abated: 11/20/2002  
Citation/Order: Citation  
Sig and Sub Designation: Y  
Proposed Penalty: 113.00  
Paid Penalty: 113.00  
Assessment Status code: Closed  
Assess. Case Status code: Proposed  
Assessment Amount: 113.00  
Year: 2002

Violation Number: 6344289  
Date Issued: 11/19/2002

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RESERVE SILICA CORP (Continued)**

101222317

Mine Status: Abandoned  
Status Date: 10/11/2010  
Action Type: 104(a)  
Date Abated: 11/20/2002  
Citation/Order: Citation  
Sig and Sub Designation: N  
Proposed Penalty: 55.00  
Paid Penalty: 55.00  
Assessment Status code: Closed  
Assess. Case Status code: Proposed  
Assessment Amount: 55.00  
Year: 2002

Violation Number: 6371482  
Date Issued: 10/20/2005  
Mine Status: Abandoned  
Status Date: 10/11/2010  
Action Type: 104(a)  
Date Abated: 11/08/2005  
Citation/Order: Citation  
Sig and Sub Designation: N  
Proposed Penalty: 60.00  
Paid Penalty: 60.00  
Assessment Status code: Closed  
Assess. Case Status code: Proposed  
Assessment Amount: 60.00  
Year: 2005

Violation Number: 6371483  
Date Issued: 10/20/2005  
Mine Status: Abandoned  
Status Date: 10/11/2010  
Action Type: 104(a)  
Date Abated: 11/08/2005  
Citation/Order: Citation  
Sig and Sub Designation: N  
Proposed Penalty: 60.00  
Paid Penalty: 60.00  
Assessment Status code: Closed  
Assess. Case Status code: Proposed  
Assessment Amount: 60.00  
Year: 2005

Violation Number: 6371480  
Date Issued: 10/19/2005  
Mine Status: Abandoned  
Status Date: 10/11/2010  
Action Type: 104(a)  
Date Abated: 10/19/2005  
Citation/Order: Citation  
Sig and Sub Designation: N  
Proposed Penalty: 60.00  
Paid Penalty: 60.00  
Assessment Status code: Closed  
Assess. Case Status code: Proposed  
Assessment Amount: 60.00  
Year: 2005

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RESERVE SILICA CORP (Continued)**

**101222317**

Violation Number: 6371479  
Date Issued: 10/19/2005  
Mine Status: Abandoned  
Status Date: 10/11/2010  
Action Type: 104(a)  
Date Abated: 10/20/2005  
Citation/Order: Citation  
Sig and Sub Designation: N  
Proposed Penalty: 60.00  
Paid Penalty: 60.00  
Assessment Status code: Closed  
Assess. Case Status code: Proposed  
Assessment Amount: 60.00  
Year: 2005

Violation Number: 6371478  
Date Issued: 10/19/2005  
Mine Status: Abandoned  
Status Date: 10/11/2010  
Action Type: 104(a)  
Date Abated: 10/19/2005  
Citation/Order: Citation  
Sig and Sub Designation: N  
Proposed Penalty: 60.00  
Paid Penalty: 60.00  
Assessment Status code: Closed  
Assess. Case Status code: Proposed  
Assessment Amount: 60.00  
Year: 2005

Violation Number: 6371481  
Date Issued: 10/19/2005  
Mine Status: Abandoned  
Status Date: 10/11/2010  
Action Type: 104(a)  
Date Abated: 10/19/2005  
Citation/Order: Citation  
Sig and Sub Designation: N  
Proposed Penalty: 60.00  
Paid Penalty: 0.00  
Assessment Status code: Closed  
Assess. Case Status code: Vacated  
Assessment Amount: 0.00  
Year: 2005

Violation Number: 6355748  
Date Issued: 10/19/2004  
Mine Status: Abandoned  
Status Date: 10/11/2010  
Action Type: 104(a)  
Date Abated: 10/20/2004  
Citation/Order: Citation  
Sig and Sub Designation: N  
Proposed Penalty: 60.00  
Paid Penalty: 60.00  
Assessment Status code: Closed  
Assess. Case Status code: Proposed

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RESERVE SILICA CORP (Continued)**

**1012222317**

Assessment Amount: 60.00  
Year: 2004

Violation Number: 6355747  
Date Issued: 10/19/2004  
Mine Status: Abandoned  
Status Date: 10/11/2010  
Action Type: 104(a)  
Date Abated: 10/20/2004  
Citation/Order: Citation  
Sig and Sub Designation: N  
Proposed Penalty: 60.00  
Paid Penalty: 60.00  
Assessment Status code: Closed  
Assess. Case Status code: Proposed  
Assessment Amount: 60.00  
Year: 2004

Violation Number: 6355749  
Date Issued: 10/19/2004  
Mine Status: Abandoned  
Status Date: 10/11/2010  
Action Type: 104(a)  
Date Abated: 10/20/2004  
Citation/Order: Citation  
Sig and Sub Designation: N  
Proposed Penalty: 60.00  
Paid Penalty: 60.00  
Assessment Status code: Closed  
Assess. Case Status code: Proposed  
Assessment Amount: 60.00  
Year: 2004

Violation Number: 6355750  
Date Issued: 10/19/2004  
Mine Status: Abandoned  
Status Date: 10/11/2010  
Action Type: 104(a)  
Date Abated: 10/20/2004  
Citation/Order: Citation  
Sig and Sub Designation: N  
Proposed Penalty: 60.00  
Paid Penalty: 60.00  
Assessment Status code: Closed  
Assess. Case Status code: Proposed  
Assessment Amount: 60.00  
Year: 2004

Violation Number: 6371477  
Date Issued: 10/18/2005  
Mine Status: Abandoned  
Status Date: 10/11/2010  
Action Type: 104(a)  
Date Abated: 10/19/2005  
Citation/Order: Citation  
Sig and Sub Designation: N  
Proposed Penalty: 60.00

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RESERVE SILICA CORP (Continued)**

**1012222317**

Paid Penalty: 60.00  
Assessment Status code: Closed  
Assess. Case Status code: Proposed  
Assessment Amount: 60.00  
Year: 2005

Violation Number: 6371476  
Date Issued: 10/18/2005  
Mine Status: Abandoned  
Status Date: 10/11/2010  
Action Type: 104(a)  
Date Abated: 10/19/2005  
Citation/Order: Citation  
Sig and Sub Designation: N  
Proposed Penalty: 60.00  
Paid Penalty: 60.00  
Assessment Status code: Closed  
Assess. Case Status code: Proposed  
Assessment Amount: 60.00  
Year: 2005



Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**RESERVE SILICA CORP (Continued)**

**101222317**

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

**6**  
**North**  
**1/2-1**  
**0.717 mi.**  
**3787 ft.**

**SAFFORD PROPERTY**  
**26930 262ND AVE SE**  
**RAVENSDALE, WA**

**FINDS**  
**CSCSL**  
**ALLSITES**  
**HSL**

**1007078947**  
**N/A**

**Relative:**  
**Lower**

FINDS:

Registry ID: 110015556423

**Actual:**  
**597 ft.**

Environmental Interest/Information System

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

CSCSL:

Facility ID: 3146354  
 Region: Northwest  
 Lat/Long: 47.365916 / -121.989527  
 Brownfield Status: Not reported  
 Rank Status: 4  
 Clean Up Siteid: 2176  
 Site Status: Awaiting Cleanup  
 PSI?: Not reported  
 Contaminant Name: Base/Neutral/Acid Organics  
 Ground Water: Suspected  
 Surface Water: Suspected  
 Soil: Suspected  
 Sediment: Not reported  
 Air: Not reported  
 Bedrock: Not reported  
 Responsible Unit: Northwest

Facility ID: 3146354  
 Region: Northwest  
 Lat/Long: 47.365916 / -121.989527  
 Brownfield Status: Not reported  
 Rank Status: 4  
 Clean Up Siteid: 2176  
 Site Status: Awaiting Cleanup  
 PSI?: Not reported  
 Contaminant Name: Corrosive Wastes  
 Ground Water: Suspected  
 Surface Water: Suspected  
 Soil: Suspected  
 Sediment: Not reported  
 Air: Not reported  
 Bedrock: Not reported  
 Responsible Unit: Northwest

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAFFORD PROPERTY (Continued)**

**1007078947**

Facility ID: 3146354  
Region: Northwest  
Lat/Long: 47.365916 / -121.989527  
Brownfield Status: Not reported  
Rank Status: 4  
Clean Up Siteid: 2176  
Site Status: Awaiting Cleanup  
PSI?: Not reported  
Contaminant Name: Halogenated Organics  
Ground Water: Suspected  
Surface Water: Suspected  
Soil: Suspected  
Sediment: Not reported  
Air: Not reported  
Bedrock: Not reported  
Responsible Unit: Northwest

Facility ID: 3146354  
Region: Northwest  
Lat/Long: 47.365916 / -121.989527  
Brownfield Status: Not reported  
Rank Status: 4  
Clean Up Siteid: 2176  
Site Status: Awaiting Cleanup  
PSI?: Not reported  
Contaminant Name: Metals Priority Pollutants  
Ground Water: Suspected  
Surface Water: Suspected  
Soil: Confirmed Above Cleanup Level  
Sediment: Not reported  
Air: Not reported  
Bedrock: Not reported  
Responsible Unit: Northwest

Facility ID: 3146354  
Region: Northwest  
Lat/Long: 47.365916 / -121.989527  
Brownfield Status: Not reported  
Rank Status: 4  
Clean Up Siteid: 2176  
Site Status: Awaiting Cleanup  
PSI?: Not reported  
Contaminant Name: Non-Halogenated Solvents  
Ground Water: Suspected  
Surface Water: Suspected  
Soil: Suspected  
Sediment: Not reported  
Air: Not reported  
Bedrock: Not reported  
Responsible Unit: Northwest

Facility ID: 3146354  
Region: Northwest  
Lat/Long: 47.365916 / -121.989527  
Brownfield Status: Not reported  
Rank Status: 4  
Clean Up Siteid: 2176

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAFFORD PROPERTY (Continued)**

**1007078947**

Site Status: Awaiting Cleanup  
PSI?: Not reported  
Contaminant Name: Other Reactive Wastes  
Ground Water: Suspected  
Surface Water: Suspected  
Soil: Suspected  
Sediment: Not reported  
Air: Not reported  
Bedrock: Not reported  
Responsible Unit: Northwest

Facility ID: 3146354  
Region: Northwest  
Lat/Long: 47.365916 / -121.989527  
Brownfield Status: Not reported  
Rank Status: 4  
Clean Up Siteid: 2176  
Site Status: Awaiting Cleanup  
PSI?: Not reported  
Contaminant Name: Petroleum Products-Unspecified  
Ground Water: Suspected  
Surface Water: Suspected  
Soil: Confirmed Above Cleanup Level  
Sediment: Not reported  
Air: Not reported  
Bedrock: Not reported  
Responsible Unit: Northwest

**ALLSITES:**

Facility Id: 3146354  
Latitude: 47.365916  
Longitude: -121.98952  
Ecology Interest Type Code: SCS

Facility ID: 3146354  
Facility Company: SAFFORD PROPERTY  
Interaction: A  
Interaction 1: SCS  
Interaction 2: State Cleanup Site  
Ecology Program: TOXICS  
Program Data: ISIS  
Facility Alt.: SAFFORD PROPERTY  
Program ID: Not reported  
Date Interaction: 6/19/2001 0:00  
Date Interaction 3: Not reported

**HSL:**

edr\_fstat: WA  
edr\_fzip: Not reported  
edr\_fcnty: KING  
edr\_zip: Not reported  
**Facility Type: Hazardous Sites List**  
Facility Status: Awaiting Cleanup  
FSID Number: 3146354  
Rank: 4  
Region: NW

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**SAFFORD PROPERTY (Continued)**

**1007078947**

EDR Link ID: 3146354

**7**  
**NNE**  
**1/2-1**  
**0.737 mi.**  
**3889 ft.**

**LANDSBURG MINE ROGERS SEAM**  
**KENT KANGLEY RD & 268TH AVE SE**  
**RAVENSDALE, WA 98051**

**CSCSL** **1000192558**  
**ALLSITES** **N/A**  
**HSL**

**Relative:**  
**Lower**

CSCSL:  
 Facility ID: 2139  
 Region: Northwest  
 Lat/Long: 47.360212733 / -121.98430146  
 Brownfield Status: Not reported  
 Rank Status: 1  
 Clean Up Siteid: 60  
 Site Status: Cleanup Started  
 PSI?: Not reported  
 Contaminant Name: Base/Neutral/Acid Organics  
 Ground Water: Suspected  
 Surface Water: Not reported  
 Soil: Confirmed Above Cleanup Level  
 Sediment: Not reported  
 Air: Not reported  
 Bedrock: Not reported  
 Responsible Unit: Northwest

**Actual:**  
**607 ft.**

Facility ID: 2139  
 Region: Northwest  
 Lat/Long: 47.360212733 / -121.98430146  
 Brownfield Status: Not reported  
 Rank Status: 1  
 Clean Up Siteid: 60  
 Site Status: Cleanup Started  
 PSI?: Not reported  
 Contaminant Name: Conventional Contaminants, Inorganic  
 Ground Water: Suspected  
 Surface Water: Not reported  
 Soil: Confirmed Above Cleanup Level  
 Sediment: Not reported  
 Air: Not reported  
 Bedrock: Not reported  
 Responsible Unit: Northwest

Facility ID: 2139  
 Region: Northwest  
 Lat/Long: 47.360212733 / -121.98430146  
 Brownfield Status: Not reported  
 Rank Status: 1  
 Clean Up Siteid: 60  
 Site Status: Cleanup Started  
 PSI?: Not reported  
 Contaminant Name: Halogenated Organics  
 Ground Water: Suspected  
 Surface Water: Not reported  
 Soil: Confirmed Above Cleanup Level  
 Sediment: Not reported  
 Air: Not reported  
 Bedrock: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LANDSBURG MINE ROGERS SEAM (Continued)**

**1000192558**

Responsible Unit: Northwest  
  
Facility ID: 2139  
Region: Northwest  
Lat/Long: 47.360212733 / -121.98430146  
Brownfield Status: Not reported  
Rank Status: 1  
Clean Up Siteid: 60  
Site Status: Cleanup Started  
PSI?: Not reported  
Contaminant Name: Metals Priority Pollutants  
Ground Water: Suspected  
Surface Water: Not reported  
Soil: Confirmed Above Cleanup Level  
Sediment: Not reported  
Air: Not reported  
Bedrock: Not reported  
Responsible Unit: Northwest

Facility ID: 2139  
Region: Northwest  
Lat/Long: 47.360212733 / -121.98430146  
Brownfield Status: Not reported  
Rank Status: 1  
Clean Up Siteid: 60  
Site Status: Cleanup Started  
PSI?: Not reported  
Contaminant Name: Non-Halogenated Solvents  
Ground Water: Suspected  
Surface Water: Not reported  
Soil: Confirmed Above Cleanup Level  
Sediment: Not reported  
Air: Not reported  
Bedrock: Not reported  
Responsible Unit: Northwest

Facility ID: 2139  
Region: Northwest  
Lat/Long: 47.360212733 / -121.98430146  
Brownfield Status: Not reported  
Rank Status: 1  
Clean Up Siteid: 60  
Site Status: Cleanup Started  
PSI?: Not reported  
Contaminant Name: Petroleum Products-Unspecified  
Ground Water: Suspected  
Surface Water: Not reported  
Soil: Confirmed Above Cleanup Level  
Sediment: Not reported  
Air: Not reported  
Bedrock: Not reported  
Responsible Unit: Northwest

Facility ID: 2139  
Region: Northwest  
Lat/Long: 47.360212733 / -121.98430146  
Brownfield Status: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LANDSBURG MINE ROGERS SEAM (Continued)**

**1000192558**

Rank Status: 1  
Clean Up Siteid: 60  
Site Status: Cleanup Started  
PSI?: Not reported  
Contaminant Name: Phenolic Compounds  
Ground Water: Suspected  
Surface Water: Not reported  
Soil: Confirmed Above Cleanup Level  
Sediment: Not reported  
Air: Not reported  
Bedrock: Not reported  
Responsible Unit: Northwest

Facility ID: 2139  
Region: Northwest  
Lat/Long: 47.360212733 / -121.98430146  
Brownfield Status: Not reported  
Rank Status: 1  
Clean Up Siteid: 60  
Site Status: Cleanup Started  
PSI?: Not reported  
Contaminant Name: Polychlorinated biPhenyls (PCB)  
Ground Water: Suspected  
Surface Water: Not reported  
Soil: Confirmed Above Cleanup Level  
Sediment: Not reported  
Air: Not reported  
Bedrock: Not reported  
Responsible Unit: Northwest

**ALLSITES:**

Facility Id: 2139  
Latitude: 47.3602127  
Longitude: -121.98430  
Ecology Interest Type Code: SCS  
Facility ID: 2139  
Facility Company: LANDSBURG MINE ROGERS SEAM  
Interaction: A  
Interaction 1: SCS  
Interaction 2: State Cleanup Site  
Ecology Program: TOXICS  
Program Data: ISIS  
Facility Alt.: LANDSBURG MINE  
Program ID: Not reported  
Date Interaction: 1/1/1900 0:00  
Date Interaction 3: Not reported  
Facility/Site Interaction T: 3644  
Geographic Location Identifier (Alias Facid): 2139  
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: 01/01/1900  
Interaction End Date: Not reported  
prgm\_facil: LANDSBURG MINE ROGERS SEAM  
cur\_sys\_pr: TOXICS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LANDSBURG MINE ROGERS SEAM (Continued)**

**1000192558**

cur\_sys\_nm: ISIS

HSL:

edr\_fstat: WA  
edr\_fzip: Not reported  
edr\_fcnty: KING  
edr\_zip: Not reported  
**Facility Type: Hazardous Sites List**  
Facility Status: Cleanup Started  
FSID Number: 2139  
Rank: 1  
Region: NW  
EDR Link ID: 2139

Count: 11 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BLACK DIAMOND	1005445098	WA DOT BRG 16918	SR 169 MP 5.26 TO 5.33 GREEN R	98010	RCRA NonGen / NLR
BLACK DIAMOND	S115345130	PLUM CREEK RAVENSDALE PROPERTY	BLACK DIAMOND RAVENSDALE RD		RGA HWS
BLACK DIAMOND	S108107953	CITY OF BLACK DIAMOND SPECIAL COLL	BLACK DIAMOND CITY HALL		SWF/LF
BLACK DIAMOND	1011491431	PLUM CREEK LAND COMPANY	BLACK DIAMOND RAVENSDALE RD	98010	RCRA NonGen / NLR
KING COUNTY	M300005762	LAKESIDE INDUSTRIES, INC.	BLACK RIVER PIT		US MINES
KING COUNTY	M300005760	CADMAN, INC.	BLACK DIAMOND PIT		US MINES
KING COUNTY	M300005040	MUTUAL MATERIALS CO	ELK AND SECTION 31 PITS (KING		US MINES
KING COUNTY	S108107942	WASTE MOBILE COLLECTIONS	MOVES LOCATIONS (SEE COMMENT F		SWF/LF
MAPLE VALLEY	1011855228	CAMBRIDGE CEDAR GROVE	174TH ST. SE AND 204TH AVE SE	98038	US BROWNFIELDS, FINDS
MAPLE VALLEY	S103507058	EXXON #7 3465	36821 MAPLE VALLEY HWY	98038	ICR
RAVENSDALE	1000659492	RESERVE SILICA CORPORATION	26000 RAVENSDALE-BLACK DI	98051	RCRA NonGen / NLR



# 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: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: N/A
Date Made Active in Reports: 01/28/2014	Last EDR Contact: 10/08/2014
Number of Days to Update: 78	Next Scheduled EDR Contact: 01/19/2015
	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: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: N/A
Date Made Active in Reports: 01/28/2014	Last EDR Contact: 10/08/2014
Number of Days to Update: 78	Next Scheduled EDR Contact: 01/19/2015
	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: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: N/A
Date Made Active in Reports: 01/28/2014	Last EDR Contact: 10/08/2014
Number of Days to Update: 78	Next Scheduled EDR Contact: 01/19/2015
	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: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 08/28/2014
Number of Days to Update: 94	Next Scheduled EDR Contact: 12/08/2014
	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: 07/21/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/07/2014	Telephone: 703-603-8704
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 10/07/2014
Number of Days to Update: 13	Next Scheduled EDR Contact: 01/19/2015
	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: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 08/28/2014
Number of Days to Update: 94	Next Scheduled EDR Contact: 12/08/2014
	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: 06/10/2014  
Date Data Arrived at EDR: 07/02/2014  
Date Made Active in Reports: 09/18/2014  
Number of Days to Update: 78

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 10/01/2014  
Next Scheduled EDR Contact: 01/12/2015  
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: 06/10/2014  
Date Data Arrived at EDR: 07/02/2014  
Date Made Active in Reports: 09/18/2014  
Number of Days to Update: 78

Source: Environmental Protection Agency  
Telephone: (206) 553-1200  
Last EDR Contact: 10/01/2014  
Next Scheduled EDR Contact: 01/12/2015  
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: 06/10/2014  
Date Data Arrived at EDR: 07/02/2014  
Date Made Active in Reports: 09/18/2014  
Number of Days to Update: 78

Source: Environmental Protection Agency  
Telephone: (206) 553-1200  
Last EDR Contact: 10/01/2014  
Next Scheduled EDR Contact: 01/12/2015  
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: 06/10/2014  
Date Data Arrived at EDR: 07/02/2014  
Date Made Active in Reports: 09/18/2014  
Number of Days to Update: 78

Source: Environmental Protection Agency  
Telephone: (206) 553-1200  
Last EDR Contact: 10/01/2014  
Next Scheduled EDR Contact: 01/12/2015  
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: 06/10/2014  
Date Data Arrived at EDR: 07/02/2014  
Date Made Active in Reports: 09/18/2014  
Number of Days to Update: 78

Source: Environmental Protection Agency  
Telephone: (206) 553-1200  
Last EDR Contact: 10/01/2014  
Next Scheduled EDR Contact: 01/12/2015  
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: 09/18/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/19/2014	Telephone: 703-603-0695
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 09/08/2014
Number of Days to Update: 31	Next Scheduled EDR Contact: 12/22/2014
	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: 09/18/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/19/2014	Telephone: 703-603-0695
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 09/08/2014
Number of Days to Update: 31	Next Scheduled EDR Contact: 12/22/2014
	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: 08/29/2014	Source: Department of the Navy
Date Data Arrived at EDR: 10/09/2014	Telephone: 843-820-7326
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 08/14/2014
Number of Days to Update: 11	Next Scheduled EDR Contact: 12/01/2014
	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: 09/30/2014
Number of Days to Update: 66	Next Scheduled EDR Contact: 01/12/2015
	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: 08/27/2014	Source: Department of Ecology
Date Data Arrived at EDR: 09/16/2014	Telephone: 360-407-7200
Date Made Active in Reports: 10/13/2014	Last EDR Contact: 09/09/2014
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/22/2014
	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: 07/21/2014	Source: Department of Ecology
Date Data Arrived at EDR: 07/22/2014	Telephone: 360-407-7200
Date Made Active in Reports: 08/27/2014	Last EDR Contact: 07/22/2014
Number of Days to Update: 36	Next Scheduled EDR Contact: 11/03/2014
	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: 09/10/2014	Source: Department of Ecology
Date Data Arrived at EDR: 09/11/2014	Telephone: 360-407-6132
Date Made Active in Reports: 10/13/2014	Last EDR Contact: 09/08/2014
Number of Days to Update: 32	Next Scheduled EDR Contact: 12/22/2014
	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: 08/18/2014	Source: Department of Ecology
Date Data Arrived at EDR: 08/22/2014	Telephone: 360-407-7183
Date Made Active in Reports: 08/29/2014	Last EDR Contact: 08/22/2014
Number of Days to Update: 7	Next Scheduled EDR Contact: 12/01/2014
	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: 08/04/2014	Source: EPA, Region 5
Date Data Arrived at EDR: 08/05/2014	Telephone: 312-886-7439
Date Made Active in Reports: 08/22/2014	Last EDR Contact: 04/28/2014
Number of Days to Update: 17	Next Scheduled EDR Contact: 11/10/2014
	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	Source: EPA Region 1
Date Data Arrived at EDR: 05/01/2013	Telephone: 617-918-1313
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 08/01/2014
Number of Days to Update: 184	Next Scheduled EDR Contact: 11/10/2014
	Data Release Frequency: Varies

### INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/30/2014	Source: EPA Region 4
Date Data Arrived at EDR: 08/12/2014	Telephone: 404-562-8677
Date Made Active in Reports: 08/22/2014	Last EDR Contact: 04/22/2014
Number of Days to Update: 10	Next Scheduled EDR Contact: 08/11/2014
	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: 05/14/2014	Source: EPA Region 6
Date Data Arrived at EDR: 05/15/2014	Telephone: 214-665-6597
Date Made Active in Reports: 07/15/2014	Last EDR Contact: 07/22/2014
Number of Days to Update: 61	Next Scheduled EDR Contact: 11/20/2014
	Data Release Frequency: Varies

**INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land**  
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 05/22/2014	Source: EPA Region 7
Date Data Arrived at EDR: 08/22/2014	Telephone: 913-551-7003
Date Made Active in Reports: 09/18/2014	Last EDR Contact: 04/28/2014
Number of Days to Update: 27	Next Scheduled EDR Contact: 11/10/2014
	Data Release Frequency: Varies

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

Date of Government Version: 08/13/2014	Source: EPA Region 8
Date Data Arrived at EDR: 08/15/2014	Telephone: 303-312-6271
Date Made Active in Reports: 08/22/2014	Last EDR Contact: 07/22/2014
Number of Days to Update: 7	Next Scheduled EDR Contact: 11/10/2014
	Data Release Frequency: Quarterly

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

Date of Government Version: 05/20/2014	Source: EPA Region 10
Date Data Arrived at EDR: 06/10/2014	Telephone: 206-553-2857
Date Made Active in Reports: 08/22/2014	Last EDR Contact: 04/28/2014
Number of Days to Update: 73	Next Scheduled EDR Contact: 11/10/2014
	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: 07/22/2014
Number of Days to Update: 42	Next Scheduled EDR Contact: 11/10/2014
	Data Release Frequency: Quarterly

**State and tribal registered storage tank lists**

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

Date of Government Version: 09/29/2014	Source: Department of Ecology
Date Data Arrived at EDR: 09/30/2014	Telephone: 360-407-7183
Date Made Active in Reports: 10/13/2014	Last EDR Contact: 08/15/2014
Number of Days to Update: 13	Next Scheduled EDR Contact: 12/01/2014
	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: 04/01/2014	Source: Department of Ecology
Date Data Arrived at EDR: 05/06/2014	Telephone: 360-407-7562
Date Made Active in Reports: 06/04/2014	Last EDR Contact: 08/05/2014
Number of Days to Update: 29	Next Scheduled EDR Contact: 11/17/2014
	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: 02/01/2013	Source: EPA, Region 1
Date Data Arrived at EDR: 05/01/2013	Telephone: 617-918-1313
Date Made Active in Reports: 01/27/2014	Last EDR Contact: 08/01/2014
Number of Days to Update: 271	Next Scheduled EDR Contact: 11/10/2014
	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: 07/30/2014	Source: EPA Region 4
Date Data Arrived at EDR: 08/12/2014	Telephone: 404-562-9424
Date Made Active in Reports: 08/22/2014	Last EDR Contact: 04/22/2014
Number of Days to Update: 10	Next Scheduled EDR Contact: 08/11/2014
	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: 08/04/2014	Source: EPA Region 5
Date Data Arrived at EDR: 08/05/2014	Telephone: 312-886-6136
Date Made Active in Reports: 08/22/2014	Last EDR Contact: 04/28/2014
Number of Days to Update: 17	Next Scheduled EDR Contact: 11/10/2014
	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: 07/25/2014	Source: EPA Region 6
Date Data Arrived at EDR: 07/28/2014	Telephone: 214-665-7591
Date Made Active in Reports: 08/22/2014	Last EDR Contact: 07/22/2014
Number of Days to Update: 25	Next Scheduled EDR Contact: 11/10/2014
	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: 08/20/2014	Source: EPA Region 7
Date Data Arrived at EDR: 08/22/2014	Telephone: 913-551-7003
Date Made Active in Reports: 09/18/2014	Last EDR Contact: 04/28/2014
Number of Days to Update: 27	Next Scheduled EDR Contact: 11/10/2014
	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: 08/13/2014	Source: EPA Region 8
Date Data Arrived at EDR: 08/15/2014	Telephone: 303-312-6137
Date Made Active in Reports: 08/22/2014	Last EDR Contact: 07/22/2014
Number of Days to Update: 7	Next Scheduled EDR Contact: 11/10/2014
	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: 05/20/2014	Source: EPA Region 10
Date Data Arrived at EDR: 06/10/2014	Telephone: 206-553-2857
Date Made Active in Reports: 08/15/2014	Last EDR Contact: 07/22/2014
Number of Days to Update: 66	Next Scheduled EDR Contact: 11/10/2014
	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: 08/14/2014	Source: EPA Region 9
Date Data Arrived at EDR: 08/15/2014	Telephone: 415-972-3368
Date Made Active in Reports: 08/22/2014	Last EDR Contact: 07/22/2014
Number of Days to Update: 7	Next Scheduled EDR Contact: 11/10/2014
	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: 10/10/2014
Number of Days to Update: 55	Next Scheduled EDR Contact: 01/26/2015
	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: 07/21/2014	Source: Department of Ecology
Date Data Arrived at EDR: 07/22/2014	Telephone: 360-407-7170
Date Made Active in Reports: 08/29/2014	Last EDR Contact: 07/22/2014
Number of Days to Update: 38	Next Scheduled EDR Contact: 11/03/2014
	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: 07/21/2014	Source: Department of Ecology
Date Data Arrived at EDR: 07/22/2014	Telephone: 360-407-7200
Date Made Active in Reports: 09/11/2014	Last EDR Contact: 07/22/2014
Number of Days to Update: 51	Next Scheduled EDR Contact: 11/03/2014
	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: 05/30/2014	Source: EPA, Region 1
Date Data Arrived at EDR: 07/01/2014	Telephone: 617-918-1102
Date Made Active in Reports: 08/15/2014	Last EDR Contact: 10/01/2014
Number of Days to Update: 45	Next Scheduled EDR Contact: 01/12/2015
	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: 07/21/2014	Source: Department of Ecology
Date Data Arrived at EDR: 07/22/2014	Telephone: 360-725-4030
Date Made Active in Reports: 08/27/2014	Last EDR Contact: 07/22/2014
Number of Days to Update: 36	Next Scheduled EDR Contact: 11/03/2014
	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: 09/22/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/23/2014	Telephone: 202-566-2777
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 09/23/2014
Number of Days to Update: 27	Next Scheduled EDR Contact: 01/05/2015
	Data Release Frequency: Semi-Annually

### **Local Lists of Landfill / Solid Waste Disposal Sites**

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ODI: Open Dump Inventory

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

Date of Government Version: 06/30/1985  
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

## 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: 07/25/2014  
Next Scheduled EDR Contact: 11/10/2014  
Data Release Frequency: No Update Planned

## SWRCY: Recycling Facility List

A listing of recycling center locations.

Date of Government Version: 07/14/2014  
Date Data Arrived at EDR: 07/31/2014  
Date Made Active in Reports: 08/29/2014  
Number of Days to Update: 29

Source: Department of Ecology  
Telephone: 360-407-6105  
Last EDR Contact: 07/28/2014  
Next Scheduled EDR Contact: 11/10/2014  
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: 09/08/2014  
Next Scheduled EDR Contact: 12/22/2014  
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: 08/01/2014  
Next Scheduled EDR Contact: 11/17/2014  
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: 07/25/2014  
Date Data Arrived at EDR: 09/09/2014  
Date Made Active in Reports: 10/20/2014  
Number of Days to Update: 41

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 09/03/2014  
Next Scheduled EDR Contact: 12/15/2014  
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: 08/06/2014	Source: Department of Ecology
Date Data Arrived at EDR: 08/07/2014	Telephone: 360-407-6423
Date Made Active in Reports: 08/27/2014	Last EDR Contact: 09/01/2014
Number of Days to Update: 20	Next Scheduled EDR Contact: 11/17/2014
	Data Release Frequency: Quarterly

## CSCSL NFA: Confirmed and Contaminated Sites - No Further Action

This report contains information about sites that are undergoing cleanup and sites that are awaiting further investigation and/or cleanup. Sites on the Hazardous Sites List (see above) are included in this data set.

Date of Government Version: 07/21/2014	Source: Department of Ecology
Date Data Arrived at EDR: 07/22/2014	Telephone: 360-407-7170
Date Made Active in Reports: 08/27/2014	Last EDR Contact: 07/22/2014
Number of Days to Update: 36	Next Scheduled EDR Contact: 11/03/2014
	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: 08/11/2014	Source: Department of Health
Date Data Arrived at EDR: 08/15/2014	Telephone: 360-236-3380
Date Made Active in Reports: 08/27/2014	Last EDR Contact: 08/11/2014
Number of Days to Update: 12	Next Scheduled EDR Contact: 11/24/2014
	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: 07/25/2014	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 09/09/2014	Telephone: 202-307-1000
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 09/03/2014
Number of Days to Update: 41	Next Scheduled EDR Contact: 12/15/2014
	Data Release Frequency: No Update Planned

## **Local Land Records**

### LIENS 2: CERCLA Lien Information

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/18/2014  
Date Data Arrived at EDR: 03/18/2014  
Date Made Active in Reports: 04/24/2014  
Number of Days to Update: 37

Source: Environmental Protection Agency  
Telephone: 202-564-6023  
Last EDR Contact: 07/22/2014  
Next Scheduled EDR Contact: 11/10/2014  
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: 06/30/2014  
Date Data Arrived at EDR: 07/01/2014  
Date Made Active in Reports: 09/18/2014  
Number of Days to Update: 79

Source: U.S. Department of Transportation  
Telephone: 202-366-4555  
Last EDR Contact: 10/01/2014  
Next Scheduled EDR Contact: 01/12/2015  
Data Release Frequency: Annually

### SPILLS: Reported Spills

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

Date of Government Version: 09/15/2014  
Date Data Arrived at EDR: 09/18/2014  
Date Made Active in Reports: 10/13/2014  
Number of Days to Update: 25

Source: Department of Ecology  
Telephone: 360-407-6950  
Last EDR Contact: 09/08/2014  
Next Scheduled EDR Contact: 12/22/2014  
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  
Date Data Arrived at EDR: 01/03/2013  
Date Made Active in Reports: 03/06/2013  
Number of Days to Update: 62

Source: FirstSearch  
Telephone: N/A  
Last EDR Contact: 01/03/2013  
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: 06/10/2014  
Date Data Arrived at EDR: 07/02/2014  
Date Made Active in Reports: 09/18/2014  
Number of Days to Update: 78

Source: Environmental Protection Agency  
Telephone: (206) 553-1200  
Last EDR Contact: 10/01/2014  
Next Scheduled EDR Contact: 01/12/2015  
Data Release Frequency: Varies

### DOT OPS: Incident and Accident Data

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

Date of Government Version: 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: 08/06/2014  
Next Scheduled EDR Contact: 11/17/2014  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## DOD: Department of Defense Sites

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

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 10/15/2014
Number of Days to Update: 62	Next Scheduled EDR Contact: 01/26/2015
	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: 06/06/2014	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 09/10/2014	Telephone: 202-528-4285
Date Made Active in Reports: 09/18/2014	Last EDR Contact: 09/10/2014
Number of Days to Update: 8	Next Scheduled EDR Contact: 12/22/2014
	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: 12/31/2013	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 01/24/2014	Telephone: Varies
Date Made Active in Reports: 02/24/2014	Last EDR Contact: 09/30/2014
Number of Days to Update: 31	Next Scheduled EDR Contact: 01/12/2015
	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: 11/25/2013	Source: EPA
Date Data Arrived at EDR: 12/12/2013	Telephone: 703-416-0223
Date Made Active in Reports: 02/24/2014	Last EDR Contact: 09/09/2014
Number of Days to Update: 74	Next Scheduled EDR Contact: 12/22/2014
	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	Source: Department of Energy
Date Data Arrived at EDR: 10/07/2011	Telephone: 505-845-0011
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 08/20/2014
Number of Days to Update: 146	Next Scheduled EDR Contact: 12/08/2014
	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.

Date of Government Version: 01/30/2014	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 03/05/2014	Telephone: 303-231-5959
Date Made Active in Reports: 07/15/2014	Last EDR Contact: 09/04/2014
Number of Days to Update: 132	Next Scheduled EDR Contact: 12/15/2014
	Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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	Source: EPA
Date Data Arrived at EDR: 07/31/2013	Telephone: 202-566-0250
Date Made Active in Reports: 09/13/2013	Last EDR Contact: 08/29/2014
Number of Days to Update: 44	Next Scheduled EDR Contact: 12/08/2014
	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	Source: EPA
Date Data Arrived at EDR: 09/29/2010	Telephone: 202-260-5521
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 09/26/2014
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/05/2015
	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	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/19/2014
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/08/2014
	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	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/19/2014
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/08/2014
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

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

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/17/2008  
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  
Date Data Arrived at EDR: 12/10/2010  
Date Made Active in Reports: 02/25/2011  
Number of Days to Update: 77

Source: EPA  
Telephone: 202-564-4203  
Last EDR Contact: 07/22/2014  
Next Scheduled EDR Contact: 11/10/2014  
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: 05/06/2014  
Date Data Arrived at EDR: 05/16/2014  
Date Made Active in Reports: 06/17/2014  
Number of Days to Update: 32

Source: Environmental Protection Agency  
Telephone: 202-564-5088  
Last EDR Contact: 10/10/2014  
Next Scheduled EDR Contact: 01/26/2015  
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  
Date Data Arrived at EDR: 07/17/2013  
Date Made Active in Reports: 11/01/2013  
Number of Days to Update: 107

Source: EPA  
Telephone: 202-566-0500  
Last EDR Contact: 10/15/2014  
Next Scheduled EDR Contact: 01/26/2015  
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  
Date Data Arrived at EDR: 08/02/2013  
Date Made Active in Reports: 11/01/2013  
Number of Days to Update: 91

Source: Nuclear Regulatory Commission  
Telephone: 301-415-7169  
Last EDR Contact: 09/08/2014  
Next Scheduled EDR Contact: 12/22/2014  
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.

Date of Government Version: 10/07/2014  
Date Data Arrived at EDR: 10/08/2014  
Date Made Active in Reports: 10/20/2014  
Number of Days to Update: 12

Source: Environmental Protection Agency  
Telephone: 202-343-9775  
Last EDR Contact: 10/08/2014  
Next Scheduled EDR Contact: 01/19/2015  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 08/16/2014	Source: EPA
Date Data Arrived at EDR: 09/10/2014	Telephone: (206) 553-1200
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 09/10/2014
Number of Days to Update: 40	Next Scheduled EDR Contact: 12/22/2014
	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	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	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: 04/01/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/23/2014	Telephone: 202-564-8600
Date Made Active in Reports: 07/28/2014	Last EDR Contact: 07/22/2014
Number of Days to Update: 66	Next Scheduled EDR Contact: 11/10/2014
	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	Source: EPA/NTIS
Date Data Arrived at EDR: 02/26/2013	Telephone: 800-424-9346
Date Made Active in Reports: 04/19/2013	Last EDR Contact: 08/29/2014
Number of Days to Update: 52	Next Scheduled EDR Contact: 12/08/2014
	Data Release Frequency: Biennially

## UIC: Underground Injection Wells Listing

A listing of underground injection wells.

Date of Government Version: 08/18/2014	Source: Department of Ecology
Date Data Arrived at EDR: 08/20/2014	Telephone: 360-407-6143
Date Made Active in Reports: 09/08/2014	Last EDR Contact: 08/20/2014
Number of Days to Update: 19	Next Scheduled EDR Contact: 12/01/2014
	Data Release Frequency: Varies



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## WA MANIFEST: Hazardous Waste Manifest Data

Hazardous waste manifest information.

Date of Government Version: 12/31/2013  
Date Data Arrived at EDR: 05/23/2014  
Date Made Active in Reports: 06/04/2014  
Number of Days to Update: 12

Source: Department of Ecology  
Telephone: N/A  
Last EDR Contact: 10/17/2014  
Next Scheduled EDR Contact: 02/02/2015  
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: 12/31/2013  
Date Data Arrived at EDR: 05/23/2014  
Date Made Active in Reports: 06/04/2014  
Number of Days to Update: 12

Source: Department of Ecology  
Telephone: 360-407-6732  
Last EDR Contact: 10/17/2014  
Next Scheduled EDR Contact: 02/02/2015  
Data Release Frequency: Varies

## NPDES: Water Quality Permit System Data

A listing of permitted wastewater facilities.

Date of Government Version: 07/21/2014  
Date Data Arrived at EDR: 07/22/2014  
Date Made Active in Reports: 09/09/2014  
Number of Days to Update: 49

Source: Department of Ecology  
Telephone: 360-407-6073  
Last EDR Contact: 07/22/2014  
Next Scheduled EDR Contact: 11/03/2014  
Data Release Frequency: Quarterly

## AIRS (EMI): Washington Emissions Data System

Emissions inventory data.

Date of Government Version: 12/31/2012  
Date Data Arrived at EDR: 03/28/2014  
Date Made Active in Reports: 04/22/2014  
Number of Days to Update: 25

Source: Department of Ecology  
Telephone: 360-407-6040  
Last EDR Contact: 09/22/2014  
Next Scheduled EDR Contact: 01/05/2015  
Data Release Frequency: Annually

## INACTIVE DRYCLEANERS: Inactive Drycleaners

A listing of inactive drycleaner facility locations.

Date of Government Version: 12/31/2013  
Date Data Arrived at EDR: 05/23/2014  
Date Made Active in Reports: 06/04/2014  
Number of Days to Update: 12

Source: Department of Ecology  
Telephone: 360-407-6732  
Last EDR Contact: 10/17/2014  
Next Scheduled EDR Contact: 02/02/2015  
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: 10/15/2014  
Next Scheduled EDR Contact: 01/26/2015  
Data Release Frequency: Semi-Annually

## SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/07/2011  
Date Data Arrived at EDR: 03/09/2011  
Date Made Active in Reports: 05/02/2011  
Number of Days to Update: 54

Source: Environmental Protection Agency  
Telephone: 615-532-8599  
Last EDR Contact: 10/20/2014  
Next Scheduled EDR Contact: 02/02/2015  
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: 08/30/2013  
Date Data Arrived at EDR: 03/21/2014  
Date Made Active in Reports: 06/17/2014  
Number of Days to Update: 88

Source: Environmental Protection Agency  
Telephone: 617-520-3000  
Last EDR Contact: 08/15/2014  
Next Scheduled EDR Contact: 11/24/2014  
Data Release Frequency: Quarterly

## 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: 08/15/2014  
Next Scheduled EDR Contact: 12/01/2014  
Data Release Frequency: Varies

## 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: 08/15/2014  
Next Scheduled EDR Contact: 11/24/2014  
Data Release Frequency: Varies

## LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 06/04/2014  
Date Data Arrived at EDR: 06/12/2014  
Date Made Active in Reports: 07/28/2014  
Number of Days to Update: 46

Source: Environmental Protection Agency  
Telephone: 703-603-8787  
Last EDR Contact: 10/06/2014  
Next Scheduled EDR Contact: 01/19/2015  
Data Release Frequency: Varies

## 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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 10/17/2014	Telephone: 202-564-6023
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 09/30/2014
Number of Days to Update: 3	Next Scheduled EDR Contact: 01/12/2015
	Data Release Frequency: Quarterly

## FEDLAND: Federal and Indian Lands

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

Date of Government Version: 12/31/2005	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 10/15/2014
Number of Days to Update: 339	Next Scheduled EDR Contact: 01/26/2015
	Data Release Frequency: N/A

## 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	Source: EPA
Date Data Arrived at EDR: 11/06/2013	Telephone: 202-564-2496
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 09/29/2014
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/12/2015
	Data Release Frequency: Annually

## US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/23/2013	Source: EPA
Date Data Arrived at EDR: 11/06/2013	Telephone: 202-564-2496
Date Made Active in Reports: 12/06/2013	Last EDR Contact: 09/29/2014
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/12/2015
	Data Release Frequency: Annually

## 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: 09/04/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/04/2014	Telephone: 202-566-1917
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 08/14/2014
Number of Days to Update: 46	Next Scheduled EDR Contact: 12/01/2014
	Data Release Frequency: Quarterly

## PCB TRANSFORMER: PCB Transformer Registration Database

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

Date of Government Version: 02/01/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 08/01/2014
Number of Days to Update: 83	Next Scheduled EDR Contact: 11/10/2014
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 07/01/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2014	Telephone: N/A
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 09/10/2014
Number of Days to Update: 40	Next Scheduled EDR Contact: 12/22/2014
	Data Release Frequency: Varies

## COAL ASH: Coal Ash Disposal Site Listing

A listing of coal ash disposal site locations.

Date of Government Version: 09/10/2014	Source: Department of Ecology
Date Data Arrived at EDR: 09/11/2014	Telephone: 360-407-6933
Date Made Active in Reports: 10/15/2014	Last EDR Contact: 09/08/2014
Number of Days to Update: 34	Next Scheduled EDR Contact: 12/22/2014
	Data Release Frequency: Varies

## 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: 08/15/2014
Number of Days to Update: 32	Next Scheduled EDR Contact: 12/01/2014
	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	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 10/17/2014
Number of Days to Update: 76	Next Scheduled EDR Contact: 01/26/2015
	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	Source: Department of Ecology
Date Data Arrived at EDR: 03/06/2007	Telephone: 360-407-6136
Date Made Active in Reports: 04/19/2007	Last EDR Contact: 08/18/2014
Number of Days to Update: 44	Next Scheduled EDR Contact: 12/01/2014
	Data Release Frequency: Varies

## **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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 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. Compiled from Records formerly available from the Department of Ecology in Washington.

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 12/24/2013  
Number of Days to Update: 176

Source: Department of Ecology  
Telephone: N/A  
Last EDR Contact: 06/01/2012  
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. Compiled from Records formerly available from the Department of Ecology in Washington.

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 01/10/2014  
Number of Days to Update: 193

Source: Department of Ecology  
Telephone: N/A  
Last EDR Contact: 06/01/2012  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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. Compiled from Records formerly available from the Department of Ecology in Washington.

Date of Government Version: N/A

Source: Department of Ecology

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

## 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:

#### 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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/16/2011  
Date Data Arrived at EDR: 03/29/2012  
Date Made Active in Reports: 05/03/2012  
Number of Days to Update: 35

Source: Snohomish Health District  
Telephone: 206-339-5250  
Last EDR Contact: 09/23/2014  
Next Scheduled EDR Contact: 01/05/2015  
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  
Date Data Arrived at EDR: 03/24/2003  
Date Made Active in Reports: 05/14/2003  
Number of Days to Update: 51

Source: Tacoma-Pierce County Health Department  
Telephone: 206-591-6500  
Last EDR Contact: 03/19/2003  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## OTHER DATABASE(S)

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

### CT MANIFEST: Hazardous Waste Manifest Data

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

Date of Government Version: 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: 08/19/2014  
Next Scheduled EDR Contact: 12/01/2014  
Data Release Frequency: No Update Planned

### 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: 08/01/2014  
Date Data Arrived at EDR: 08/07/2014  
Date Made Active in Reports: 10/17/2014  
Number of Days to Update: 71

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 08/07/2014  
Next Scheduled EDR Contact: 11/17/2014  
Data Release Frequency: Annually

### PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2013  
Date Data Arrived at EDR: 07/21/2014  
Date Made Active in Reports: 08/25/2014  
Number of Days to Update: 35

Source: Department of Environmental Protection  
Telephone: 717-783-8990  
Last EDR Contact: 10/20/2014  
Next Scheduled EDR Contact: 02/02/2015  
Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2013

Date Data Arrived at EDR: 06/20/2014

Date Made Active in Reports: 08/07/2014

Number of Days to Update: 48

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 09/15/2014

Next Scheduled EDR Contact: 12/29/2014

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.

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

### AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

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

### Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

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

### Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

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

### Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

### Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

### Daycare Centers: Daycare Center Listing

Source: Department of Social & Health Services

Telephone: 253-383-1735

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 2003 & 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.



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## STREET AND ADDRESS INFORMATION

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## GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM

### TARGET PROPERTY ADDRESS

RAVENSDALE PARCELS  
28130 AND 28131 BLACK DIAMOND-RAVENSDALE ROAD SE  
BLACK DIAMOND, WA 98051

### TARGET PROPERTY COORDINATES

Latitude (North):	47.3422 - 47° 20' 31.92"
Longitude (West):	121.9906 - 121° 59' 26.16"
Universal Transverse Mercator:	Zone 10
UTM X (Meters):	576250.9
UTM Y (Meters):	5243468.0
Elevation:	853 ft. above sea level

### USGS TOPOGRAPHIC MAP

Target Property Map:	47121-C8 CUMBERLAND, WA
Most Recent Revision:	1993
West Map:	47122-C1 BLACK DIAMOND, 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).

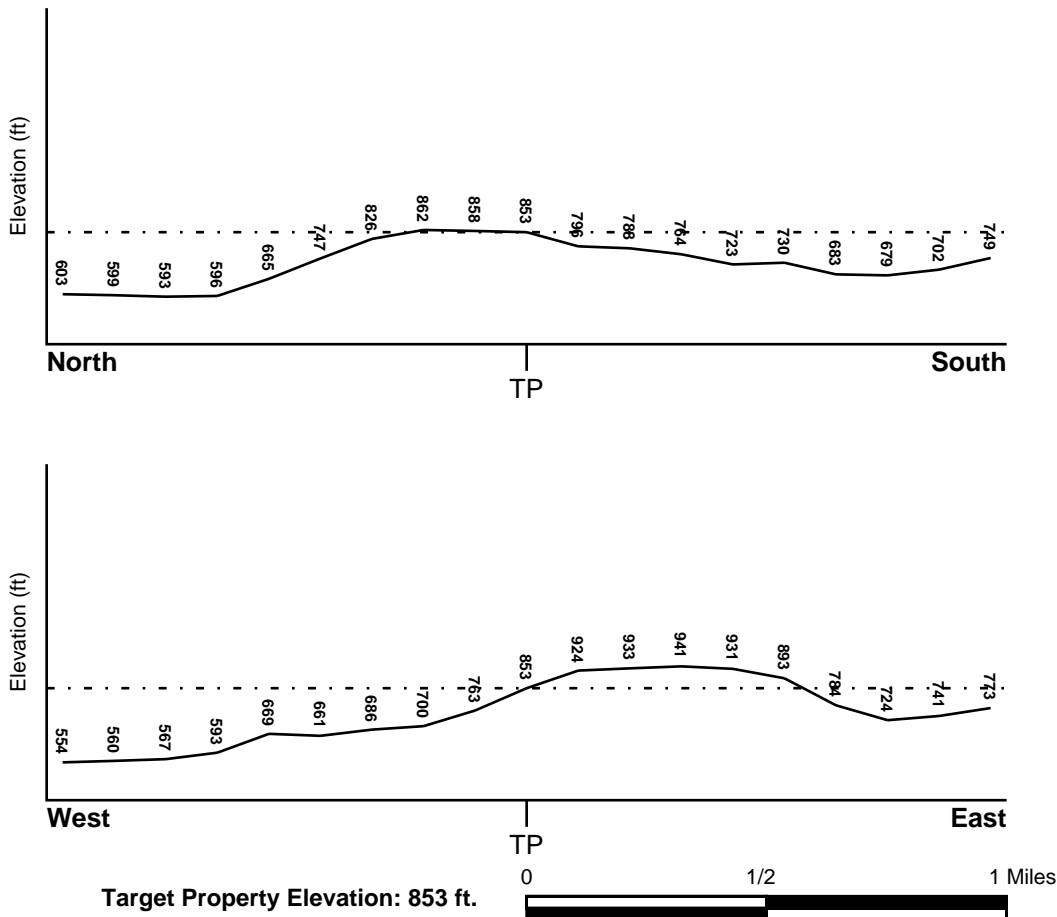
## TOPOGRAPHIC INFORMATION

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 WSW

## SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## **HYDROLOGIC INFORMATION**

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

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

## **FEMA FLOOD ZONE**

<u>Target Property County</u> KING, WA	<u>FEMA Flood Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	53033C1325F - FEMA Q3 Flood data
Additional Panels in search area:	53033C1285F - FEMA Q3 Flood data

## **NATIONAL WETLAND INVENTORY**

<u>NWI Quad at Target Property</u> CUMBERLAND	<u>NWI Electronic Data Coverage</u> 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**

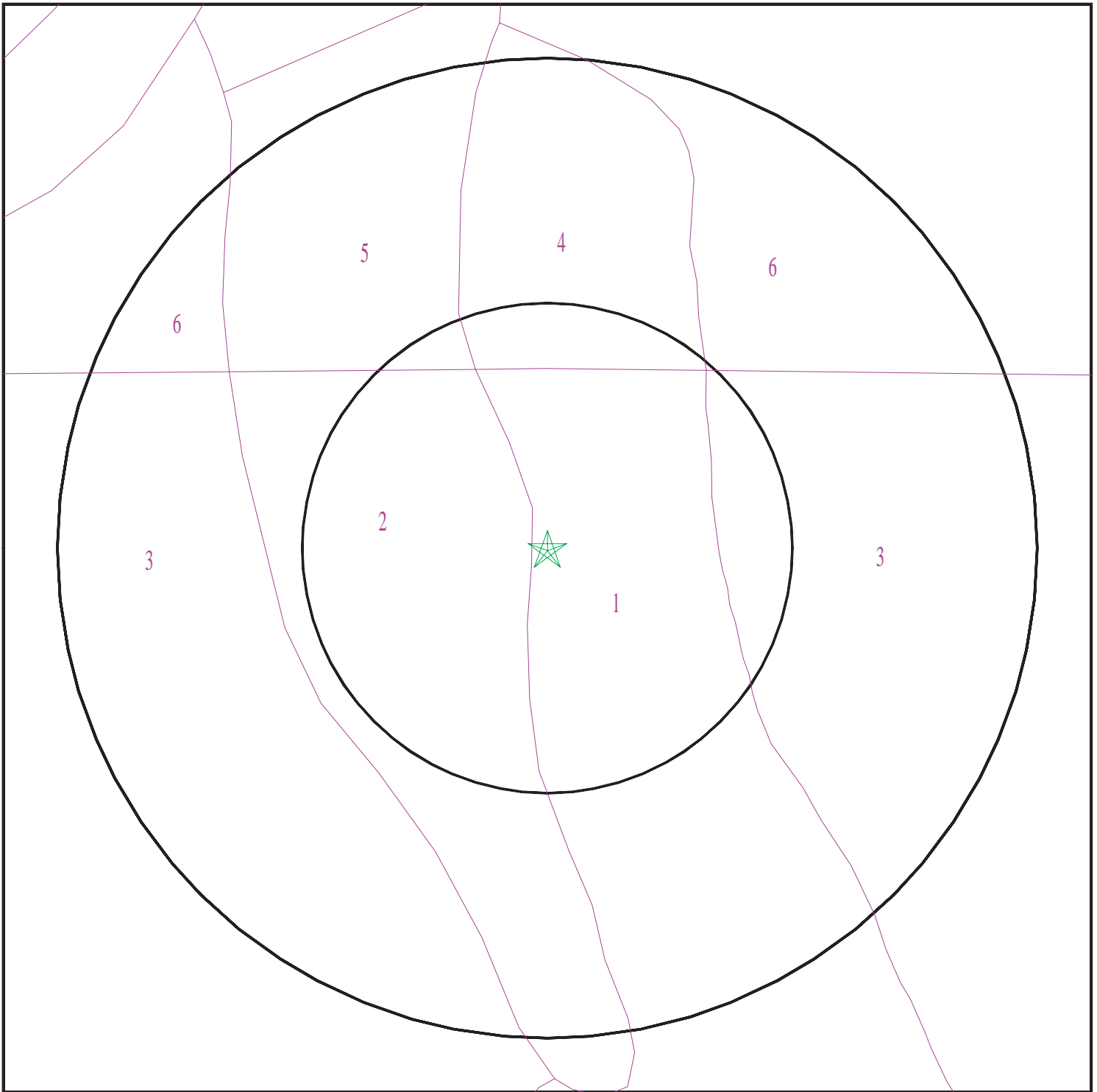
Era:	Cenozoic
System:	Tertiary
Series:	Eocene
Code:	Tec ( <i>decoded above as Era, System &amp; Series</i> )

#### **GEOLOGIC AGE IDENTIFICATION**

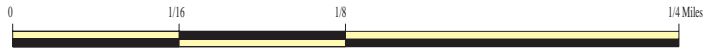
Category: Continental Deposits

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 - 4112198.2s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: Ravensdale Parcels  
ADDRESS: 28130 and 28131 Black Diamond-Ravensdale Road SE  
Black Diamond WA 98051  
LAT/LONG: 47.3422 / 121.9906

CLIENT: Farallon Consulting, LLC  
CONTACT: Emerald Erickson-Mulanax  
INQUIRY #: 4112198.2s  
DATE: October 22, 2014 7:58 am

# 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: Alderwood

Soil Surface Texture: gravelly sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 84 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	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 42 Min: 14	Max: 6 Min: 5.1
2	11 inches	40 inches	very gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 42 Min: 14	Max: 6 Min: 5.1
3	40 inches	59 inches	very gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 0.42 Min: 0.01	Max: 6 Min: 5.1

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**Soil Map ID: 2**

Soil Component Name: Alderwood

Soil Surface Texture: gravelly sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 69 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	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 42 Min: 14	Max: 6 Min: 5.1
2	11 inches	26 inches	very gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 42 Min: 14	Max: 6 Min: 5.1
3	26 inches	59 inches	very gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 0.42 Min: 0.01	Max: 6 Min: 5.1



## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**Soil Map ID: 3**

Soil Component Name: Alderwood

Soil Surface Texture: gravelly sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 84 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	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 42 Min: 14	Max: 6 Min: 5.1
2	11 inches	26 inches	very gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 42 Min: 14	Max: 6 Min: 5.1
3	26 inches	59 inches	very gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 0.42 Min: 0.01	Max: 6 Min: 5.1

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### Soil Map ID: 4

Soil Component Name: Alderwood

Soil Surface Texture: gravelly loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 69 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	5 inches	gravelly loam	Not reported	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 14 Min: 4	Max: 6.5 Min: 5.1
2	5 inches	33 inches	very gravelly loam	Not reported	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 42 Min: 14	Max: 6.5 Min: 5.1
3	33 inches	59 inches	very gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 4 Min: 0.42	Max: 6.5 Min: 5.1

### Soil Map ID: 5

Soil Component Name: Typic Haplorthods

Soil Surface Texture: very gravelly 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

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

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	3 inches	very gravelly loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 14 Min: 4	Max: 5.5 Min: 5.1
2	3 inches	44 inches	very gravelly loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 14 Min: 4	Max: 6 Min: 5.1
3	44 inches	59 inches	extremely gravelly loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 0.42 Min: 0.01	Max: 6.5 Min: 5.1

**Soil Map ID: 6**

Soil Component Name: Alderwood

Soil Surface Texture: gravelly loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 69 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	5 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 14 Min: 4	Max: 6.5 Min: 5.1
2	5 inches	33 inches	very gravelly loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 42 Min: 14	Max: 6.5 Min: 5.1
3	33 inches	59 inches	very gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 4 Min: 0.42	Max: 6.5 Min: 5.1

### 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

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS40001255772	1/2 - 1 Mile NNE
A4	USGS40001255013	1/2 - 1 Mile SSW
A5	USGS40001255012	1/2 - 1 Mile SSW

### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

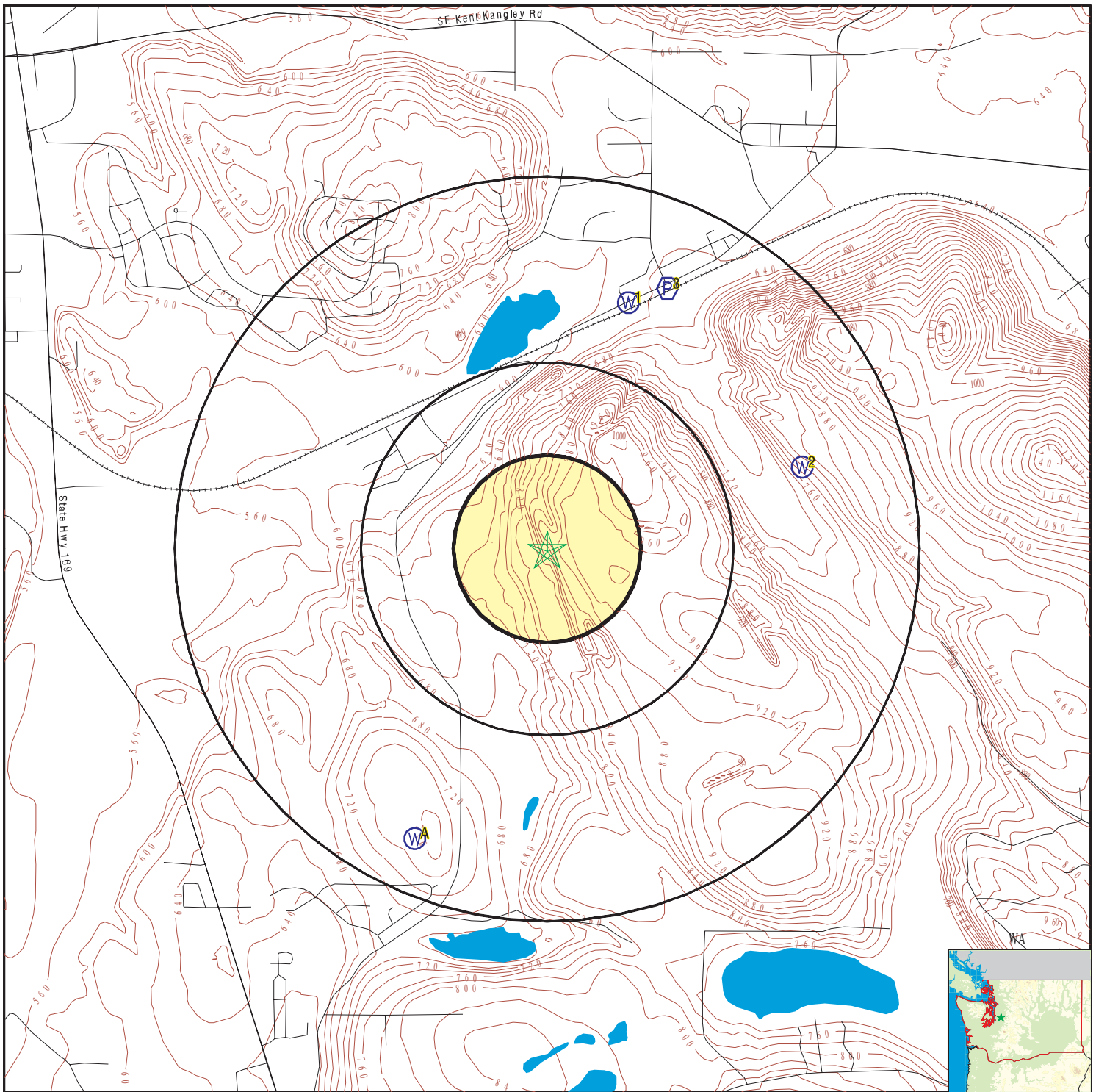
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
3	WA5303139	1/2 - 1 Mile NNE








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>
2	WA7000000010340	1/2 - 1 Mile ENE

# PHYSICAL SETTING SOURCE MAP - 4112198.2s



-  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:** Ravensdale Parcels  
**ADDRESS:** 28130 and 28131 Black Diamond-Ravensdale Road SE  
 Black Diamond WA 98051  
**LAT/LONG:** 47.3422 / 121.9906

**CLIENT:** Farallon Consulting, LLC  
**CONTACT:** Emerald Erickson-Mulanax  
**INQUIRY #:** 4112198.2s  
**DATE:** October 22, 2014 7:58 am

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**1**  
**NNE**      **FED USGS**      **USGS40001255772**  
**1/2 - 1 Mile**  
**Lower**

Org. Identifier:	USGS-WA		
Formal name:	USGS Washington Water Science Center		
Monloc Identifier:	USGS-472107121590501		
Monloc name:	22N/06E-36F01		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	17110013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	47.351768
Longitude:	-121.9859474	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	610
Vert measure units:	feet	Vertacc measure val:	10
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:	19840827	Welldepth:	37
Welldepth units:	ft	Wellholedepth:	37
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 2

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
-----			-----		
1987-04-15	16.58		1986-06-16	18.68	

**2**  
**ENE**      **WA WELLS**      **WA700000010340**  
**1/2 - 1 Mile**  
**Lower**

Objectid:	18470	Pwsid:	11121
Srcnum:	01	Pwssrcid:	1112101
Systemname:	INDUSTRIAL MINERAL PRODUCTS WELL		
Systemgrou:	B		
Systemtype:	GRPB	Region:	NW
County:	KING	Smaid:	Not Reported
Ftrespopul:	5	Resconnect:	2
Totalconne:	2	Srcname:	I.M.P. WELL
Srctype:	W	Srcusecode:	P
Srcwelldep:	25	Township:	22
Range:	06	Section:	36
Qtrqtrsect:	SWSW		
Longitude:	-121.976		
Latitude:	47.34538		
Latlongmet:	QtrQtrSection	Srcsuscept:	U
Srcvulnioc:	Not Reported	Srcvulnvoc:	Not Reported
Srcvulnsoc:	Not Reported	Doewelltag:	Not Reported
Srctot6mo:	0	Srctot1yr:	0

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Srctot5yr:	0	Srctot10yr:	0
Protection:	Assigned	Pricontact:	0004323910
Priconta 1:	Not Reported	Priconta 2:	PO BOX 95
Priconta 3:	RAVENSDALE	Priconta 4:	WA
Priconta 5:	98051		
Priconta 6:	Not Reported		
Pwseffecti:	01-APR-82	Srceffecti:	01-JAN-70
Internalon:	N	Site id:	WA7000000010340

**3**  
**NNE**  
**1/2 - 1 Mile**  
**Lower**

**FRDS PWS    WA5303139**

Epa region:	10	State:	WA
Pwsid:	WA5303139		
Pwsname:	BLACKWATER CO-OP		
City served:	Not Reported	State served:	WA
Zip served:	Not Reported	Fips county:	53033
Status:	Closed	Pop srvd:	30
Pwssvconn:	15	Source:	Groundwater
Pws type:	CWS	Owner:	Private
Contact:	BLACKWATER CO-OP		
Contact or gname:	Not Reported		
Contact phone:	Not Reported	Contact address1:	Not Reported
Contact address2:	Not Reported	Contact city:	RAVENSDALE
Contact state:	WA	Contact zip:	98051
Activity code:	I		

**Location Information:**

Name:	BLACKWATER CO-OP		
Pwstypcd:	CWS	Primsrccd:	GW
Popserved:	30		
Add1:	Not Reported		
Add2:	Not Reported		
City:	RAVENSDALE	State:	WA
Zip:	98051	Phone:	Not Reported
Cityserv:	Not Reported	Cntyserv:	Not Reported
Stateserv:	WA	Zipserv:	Not Reported

PWS ID: WA5303139  
 Date Initiated: Not Reported      Date Deactivated: Not Reported  
 PWS Name: BLACKWATER CO-OP  
 RAVENSDALE, WA 98051

Addressee / Facility: Not Reported

Facility Latitude:	47 21 09	Facility Longitude:	121 58 57
City Served:	Not Reported		
Treatment Class:	Treated	Population:	00000030

PWS currently has or had major violation(s) or enforcement: YES

**VIOLATIONS INFORMATION:**

Violation ID:	9375122	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	07/01/93	Vio. end Date:	07/31/93	Vio. Period:	001 Months
Num required Samples:	Not Reported	Number of Samples Taken:	Not Reported		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Routine Major (TCR)				
Contaminant:	COLIFORM (TCR)				
Vio. Awareness Date:	073193				



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Violation ID:	9375123	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	08/01/93	Vio. end Date:	08/31/93	Vio. Period:	001 Months
Num required Samples:	Not Reported	Number of Samples Taken:	Not Reported		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Routine Major (TCR)				
Contaminant:	COLIFORM (TCR)				
Vio. Awareness Date:	083193				
Violation ID:	9375124	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	09/01/93	Vio. end Date:	09/30/93	Vio. Period:	001 Months
Num required Samples:	Not Reported	Number of Samples Taken:	Not Reported		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Routine Major (TCR)				
Contaminant:	COLIFORM (TCR)				
Vio. Awareness Date:	093093				
Violation ID:	9400137	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	10/01/93	Vio. end Date:	10/31/93	Vio. Period:	001 Months
Num required Samples:	Not Reported	Number of Samples Taken:	Not Reported		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Routine Major (TCR)				
Contaminant:	COLIFORM (TCR)				
Vio. Awareness Date:	103193				
Violation ID:	9325129	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	03/01/93	Vio. end Date:	03/31/93	Vio. Period:	001 Months
Num required Samples:	Not Reported	Number of Samples Taken:	Not Reported		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Routine Major (TCR)				
Contaminant:	COLIFORM (TCR)				
Vio. Awareness Date:	033193				
Violation ID:	9325128	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	02/01/93	Vio. end Date:	02/28/93	Vio. Period:	001 Months
Num required Samples:	Not Reported	Number of Samples Taken:	Not Reported		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Routine Major (TCR)				
Contaminant:	COLIFORM (TCR)				
Vio. Awareness Date:	022893				
Violation ID:	9375122	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	07/01/93	Vio. end Date:	07/31/93	Vio. Period:	001 Months
Num required Samples:	Not Reported	Number of Samples Taken:	Not Reported		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Routine Major (TCR)				
Contaminant:	COLIFORM (TCR)				
Vio. Awareness Date:	073193				

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Violation ID: 9375123      Source ID: Not Reported      PWS Phone: Not Reported  
 Vio. beginning Date: 08/01/93      Vio. end Date: 08/31/93      Vio. Period: 001 Months  
 Num required Samples: Not Reported      Number of Samples Taken: Not Reported  
 Analysis Result: Not Reported      Maximum Contaminant Level: Not Reported  
 Analysis Method: Not Reported  
 Violation Type: Monitoring, Routine Major (TCR)  
 Contaminant: COLIFORM (TCR)  
 Vio. Awareness Date: 083193

Violation ID: 9375124      Source ID: Not Reported      PWS Phone: Not Reported  
 Vio. beginning Date: 09/01/93      Vio. end Date: 09/30/93      Vio. Period: 001 Months  
 Num required Samples: Not Reported      Number of Samples Taken: Not Reported  
 Analysis Result: Not Reported      Maximum Contaminant Level: Not Reported  
 Analysis Method: Not Reported  
 Violation Type: Monitoring, Routine Major (TCR)  
 Contaminant: COLIFORM (TCR)  
 Vio. Awareness Date: 093093

Violation ID: 9400137      Source ID: Not Reported      PWS Phone: Not Reported  
 Vio. beginning Date: 10/01/93      Vio. end Date: 10/31/93      Vio. Period: 001 Months  
 Num required Samples: Not Reported      Number of Samples Taken: Not Reported  
 Analysis Result: Not Reported      Maximum Contaminant Level: Not Reported  
 Analysis Method: Not Reported  
 Violation Type: Monitoring, Routine Major (TCR)  
 Contaminant: COLIFORM (TCR)  
 Vio. Awareness Date: 103193

**ENFORCEMENT INFORMATION:**

System Name: BLACKWATER CO-OP  
 Violation Type: Monitoring, Routine Major (TCR)  
 Contaminant: COLIFORM (TCR)  
 Compliance Period: 1994-10-19 - 1994-11-18  
 Violation ID: 9500069  
 Enforcement Date: 1994-11-19      Enf. Action: State Violation/Reminder Notice

**A4**  
**SSW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40001255013**

Org. Identifier: USGS-WA  
 Formal name: USGS Washington Water Science Center  
 Monloc Identifier: USGS-471952121594922  
 Monloc name: 21N/06E-02R02  
 Monloc type: Well  
 Monloc desc: Not Reported  
 Huc code: 17110013      Drainagearea value: Not Reported  
 Drainagearea Units: Not Reported      Contrib drainagearea: Not Reported  
 Contrib drainagearea units: Not Reported      Latitude: 47.3309345  
 Longitude: -121.9981695      Sourcemap scale: Not Reported  
 Horiz Acc measure: 5      Horiz Acc measure units: seconds  
 Horiz Collection method: Interpolated from map  
 Horiz coord refsys: NAD83      Vert measure val: 9999.99  
 Vert measure units: feet      Vertacc measure val: 999  
 Vert accmeasure units: feet  
 Vertcollection method: Unknown  
 Vert coord refsys: NGVD29      Countrycode: US  
 Aquifername: Not Reported  
 Formation type: Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	80
Construction date:	Not Reported	Wellholeddepth:	Not Reported
Welldepth units:	ft		
Wellholeddepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

**A5**  
**SSW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS**

**USGS40001255012**

Org. Identifier:	USGS-WA		
Formal name:	USGS Washington Water Science Center		
Monloc Identifier:	USGS-471952121594921		
Monloc name:	21N/06E-02R01		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	17110013	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	47.3309345
Longitude:	-121.9981695	Sourcemap scale:	Not Reported
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	9999.99
Vert measure units:	feet	Vertacc measure val:	999
Vert accmeasure units:	feet		
Vertcollection method:	Unknown		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	22
Welldepth units:	ft	Wellholeddepth:	Not Reported
Wellholeddepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

Federal EPA Radon Zone for KING 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: 98010

Number of sites tested: 1

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	Not Reported	Not Reported	Not Reported	Not Reported

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

### USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

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

### 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<sup>R</sup> 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

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## STREET AND ADDRESS INFORMATION

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