



Alaska Department of Environmental Conservation

Reuse & Redevelopment Initiative

**Brownfield Assessment**



**Phase I Environmental Site Assessment**  
*Whittier Small Boat Harbor and  
Head of Passage Canal*  
Whittier, Alaska

Submitted to:  
Department of Environmental Conservation  
Brownfield Program



By:  
Hart Crowser, Inc  
June 29, 2007

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Whittier Small Boat Harbor and  
Head of Passage Canal  
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***Prepared for  
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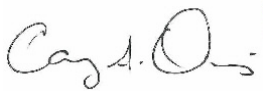
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8969-06***

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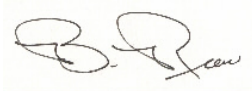
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## ABBREVIATIONS AND ACRONYMS

AST	Aboveground storage tank
ASTM	American Society for Testing and Materials
ARRC	Alaska Railroad Corporation
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
DCCED	Alaska Department of Community, Commerce, and Economic Development
DEC	Alaska Department of Environmental Conservation
DFSP	Defense Fuel Support Point
DNR	Alaska Department of Natural Conservation
DOD	U.S. Department of Defense
DOT&PF	Alaska Department of Transportation & Public Facilities
DRO	Diesel-range organics
EDR	Environmental Data Resources, Inc.
EPA	U.S. Environmental Protection Agency
ESA	Environmental Site Assessment
FEMA	Federal Emergency Management Agency
FINDS	Facility Index System
FIRM	Flood Insurance Rate Map
FUDS	Formerly Used Defense Site
IC	Institutional controls
LQG	Large-quantity generator
LUST	Leaking underground storage tank
NFRAP	No Further Remedial Action Planned
NPL	National Priorities List
PCB	Polychlorinated biphenyl
PUD	Planned Unit Development
RCRA	Resource, Conservation, and Recovery Act
RP	Responsible party
SHWS	State Hazardous Waste Sites
SQG	Small-quantity generator
SWF/LF	Solid Waste Facility/Landfill Facility
TSCA	Toxic Substances Control Act
USACE	U.S. Army Corps of Engineers
USGS	United States Geological Survey
UST	Underground storage tank
WCATWC	West Coast and Alaska Tsunami Warning Center

# **PHASE I ENVIRONMENTAL SITE ASSESSMENT WHITTIER SMALL BOAT HARBOR AND HEAD OF PASSAGE CANAL WHITTIER, ALASKA**

## **1.0 INTRODUCTION**

This report presents the results of Hart Crowser's Phase I Environmental Site Assessment (ESA) of the Whittier Small Boat Harbor (WSBH) and Head of Passage Canal (HOPC) properties located in Whittier, Alaska (Figure 1). This work was performed for the Alaska Department of Environmental Conservation (DEC) under Contract No. 18-9028-11. Notice to Proceed (NTP) No. 18902811-09 (dated February 2, 2007).

The Phase I ESA was performed in general accordance with our proposal (07-4-1200-031) dated January 12, 2007. Hart Crowser's standard Phase I ESA approach follows the requirements established by the American Society for Testing and Materials (ASTM) Standard Practice for Phase I ESAs (E 1527-05).

### **1.1 Purpose**

The purpose of this Phase I ESA is to provide information on current site conditions, as well as past practices, to assess whether it is likely that environmental contamination or other related conditions may exist on the subject properties.

### **1.2 Involved Parties**

Both the City of Whittier (City) and the Alaska Railroad Corporation (ARRC) own lands in the area of the WSBH. The HOPC property is owned by the ARRC. The City leases the property at the Head of Passage Canal from the ARRC.

### **1.3 Scope of Work**

A Phase I ESA was performed for the subject properties based on the reporting requirements established by the ASTM Standard Practice for ESAs (E 1527-05). Available sources of property and historic information were reviewed to identify significant former uses of the properties. Included in the Phase I ESA was a site visit to visually inspect the subject properties and surrounding facilities.

Historical aerial photograph reviews and literature searches were conducted to identify previous land use and local environmental regulatory agencies were contacted or visited during record review to identify contaminated sites and

underground storage tanks (USTs) in the area. Other reviews were conducted for title and land ownership and contacts were made to the fire department, recorder's office, public library, and utility companies. These tasks are summarized below:

- We obtained selected available historical aerial photographs from Aero-Metric, Inc;
- We conducted interviews with the City, Mr. Louis Howard of DEC, and Mr. Jeff Brownlee of DEC for institutional knowledge of past land use at the sites;
- The DEC Contaminated Sites database was searched to gather information about contaminated sites in and adjacent to the project areas;
- We conducted a regulatory agency environmental records search to identify contaminated sites and USTs in the areas;
- We contacted public utility services to verify utilities connected to the subject properties;
- We obtained environmental risk management information reports from Environmental Data Resources, Inc. (EDR), for the subject properties;
- The Whittier Fire and Rescue Department was contacted to determine if they have record of hazardous materials incidents at subject properties; and
- We conducted a site reconnaissance visit to observe existing conditions on and adjacent to the subject properties.

Additional sources of background materials were reviewed to evaluate the geological, hydrogeological, and topographical information of the region.

## **2.0 GENERAL SITE CHARACTERISTICS**

The city of Whittier is located at the head of Passage Canal, a fjord of Prince William Sound. Whittier is approximately 47 air miles and 62 road/rail miles southeast of Anchorage, Alaska. The WSBH consists of a small boat harbor located in the Port of Whittier (Figure 2). The other subject property consists of 105 acres of lands located at the HOPC (Figure 3).

## ***2.1 Legal Description***

The legal description for the WSBH is Tract D of the Alaska Tideland Survey (ATS) 1545, Section 14, Township 8 North, Range 4 East of the Seward Meridian. The U.S. Geological Survey (USGS) Seward (D-5) SE, Alaska Quadrangle (Figure 1) covers this property.

The legal property description for the HOPC is portions of Tracts A, B, and C of ATS 1545, located in Section 15, Township 8 North Range 4 East of the Seward Meridian. This property is covered by the U.S. Geological Survey (USGS) Seward (D-5) SW, Alaska Quadrangle (Figure 1).

## ***2.2 Adjacent Properties***

The WSBH is located in downtown Whittier (Figure 2), adjacent to a former Department of Defense (DOD) fuel storage facility, which was last operated in 1964. The WSBH encompasses an area of approximately 89 acres, and is zoned “public facility.” Immediately adjacent to the harbor facility are commercial businesses, a paved parking area, and the ARRC Whittier yard.

The other subject property consists of 105 acres of land located at the Head of Passage Canal (Figure 3), adjacent to the former Whittier Fuel Terminal (Defense Energy Support Point), which last operated in 1995. This property is currently undeveloped and is undergoing reclassification by the City as a Planned Unit Development, but is currently zoned as “industrial.”

## ***2.3 Site Description and Current Site Uses/Operations***

The WSBH consists of a small boat harbor located in the city of Whittier. This facility was constructed in two phases, in 1971 and in 1981. Recreational boaters are the primary users of the WSBH. There are 350 slips in the WSBH for both transient and permanent berth holders, to lengths of 54 feet. Services offered at the WSBH include a boatlift, sewer pump out station, two launch ramps, moorage, a used oil disposal facility, fish cleaning stations, a public shower facility, and storage.

The HOPC property consists of 105 acres of undeveloped lands, situated between the former Defense Fuel Support Point – Whittier (DFSP-Whittier) and the Whittier Airport. Currently the HOPC area supports limited recreational activities and gravel extraction.

## **2.4 Past Site Uses/Operations**

Based on information obtained from DEC, the City, the Alaska Department of Natural Resources (DNR) Records Office, and from historical aerial photographs, the WSBH was undeveloped prior to construction of the harbor facilities in 1971. This facility was constructed in two phases, in 1971 and 1981. The following chronology lists past uses of the property since the 1940s:

- 1940s – 1969: U.S. DOD (port facility); and
- 1969 –Present: City of Whittier and ARRC (small boat harbor).

Information obtained from DEC, the City, the DNR Records Office, and from historical aerial photographs indicate that the subject property at the HOPC was undeveloped prior to the 1940's. Past uses of this property since the 1940's are as follows:

- 1940s – 1974: U.S. DOD (undeveloped);
- 1974 – 1977: U.S. DOD (Sawmill); and
- 1977 – Present: ARRC (undeveloped).

## **3.0 USER PROVIDED INFORMATION**

### **3.1 Title Records**

An informal title search identified one previous owner of the WSBH property. Owners and dates of ownership are as follows:

- 1940s – 1969: U.S. DOD; and
- 1969 –Present: City of Whittier and ARRC.

One previous owner was also identified for the HOPC property. Owners and dates of ownership are as follows:

- 1940s – 1977: U.S. DOD; and
- 1977 – Present: ARRC.

### ***3.2 Environmental Liens or Activity and Use Limitations***

A search of relevant State of Alaska databases showed no environmental liens or activity and use limitations for the subject properties.

### ***3.3 Specialized Knowledge***

The DEC provided information regarding reported releases of petroleum hydrocarbons in the vicinity of both subject properties. Information regarding clean up efforts and responsible parties for these releases was also provided by the DEC.

The City provided information pertaining to proposed development plans for both subject properties.

### ***3.4 Commonly Known or Reasonably Ascertainable Information***

It is commonly known that both subject properties were impacted by a tsunami that resulted from the 1964 Alaska Earthquake.

### ***3.5 Valuation Reduction for Environmental Issues***

We found insufficient evidence to devalue the subject properties on the basis of any identified environmental issues.

### ***3.6 Reason for Performing Phase I ESA***

This Phase I ESA is being performed as part of a DEC Brownfield Assessment for the subject properties. Brownfield assessments are conducted in an effort to reduce environmental uncertainties that may hinder the reuse or redevelopment of a property.

## **4.0 ENVIRONMENTAL SETTING**

The subject properties are located in Whittier, Alaska, at the head of Passage Canal, a fjord of western Prince William Sound. Whittier is approximately 47 air miles and 62 road miles from Anchorage, Alaska (Figure 1). The City of Whittier is a year round ice-free port and is a focal point for marine activity and freight transfer from sea-train barge serving South Central Alaska.

Climate in the Whittier is classified as Transitional (between continental and maritime regimes) and is directly influenced by local topographic factors. Wind

typically blows from the southwest or from the northeast, depending on the season. Winds ranging from 40 to 50 miles per hour (mph) are not uncommon in Whittier. Average annual precipitation includes 66 inches of rain and 80 inches of snow (DNR 2007). Winter temperatures range from 17 degrees Fahrenheit (°F) to 20 °F and summer temperatures range from 49 °F to 63 °F.

#### **4.1 Regional Geology**

The city town site lies on a fan-shaped delta on the south shore of Passage Canal. The delta is approximately one square mile in area, and is bordered by Whittier Creek on the west and by a Maynard Mountain on the east. At the west end of Passage Canal is a delta, commonly known as “West Camp” or the “Head of the Bay,” that is about one and one-half square miles in area. This delta is formed by creeks flowing from Portage Pass, Shakespeare Glacier, and Learnard Glacier (City 2007).

With the exception of the Whittier and West Camp deltas, the topography of the area generally rises abruptly from the shoreline at grades of 30 percent to 60 percent, to mountain altitudes ranging from 3,500 to 4,600 feet (City 2007). Protrusions of bedrock and rock faces are numerous throughout the area. Surface drainage is influenced by local factors; however, the general direction of major stream flow is from east to west.

Whittier is situated in a tectonically active area and earthquakes are common. On March 27, 1964, the largest earthquake in North America shook South Central Alaska at reported Richter magnitudes ranging from 8.4 to 8.6 (West Coast and Alaska Tsunami Warning Center [WCATWC] 2007). The epicenter was located in Northern Prince William Sound, less than 40 miles northeast of Whittier. This earthquake caused a land subsidence of 5.3 feet, terrestrial and submerged landslides, and snow avalanches, leading to extensive destruction of property in Whittier (City 2007).

The subject properties are situated in a high-risk area, with a possibility of landslides and tsunamis resulting from large earthquakes. Within this zone, risks are considered greater than are normally expected in the construction industry, where structures are built on a thick sequence of unconsolidated sediments.

#### **4.2 Regional Hydrogeology**

Several glacially-fed streams and rivers, including Whittier Creek, Shakespeare Creek, and the Learnard Glacier Drainage, are located in the Whittier area (DNR 2007).



We were unable to locate a source of published information on the regional hydrogeology of Whittier. Given its proximity to Passage Canal it is likely that groundwater is relatively shallow and that localized flow direction in the HOPC property area is to the east, toward Passage Canal. Localized groundwater flow direction in the WSBH area is most likely to the north, toward Passage Canal.

### **4.3 Wetlands**

Data for Whittier, Alaska, was available on the National Wetlands Inventory (NWI) Map (NWI 2007). The subject properties are not currently designated as wetland areas.

### **4.4 Flood Zone**

Federal Emergency Management Agency (FEMA) Flood Insurance Rate Maps were not available for Whittier. The U.S. Army Corps of Engineers (USACE) website indicates that there are no reported flooding incidents for the community of Whittier, Alaska (USACE 2007).

### **4.5 Local Subsurface Conditions**

The natural subsurface composition in the Whittier area consists mainly of Cretaceous age slate and greywacke, locally overlain by unconsolidated Quaternary age deposits consisting of glacial moraine, reworked outwash and stream gravel, and artificial fill in the developed areas. Both the Whittier delta and the Head of Bay are formed of unconsolidated deposits of outwash and stream gravel. The composition of the Whittier delta is mostly coarse gravel in a matrix of coarse sand. The maximum depth of this gravel deposit is unknown, however it is at least 44 feet deep beneath the Begich Towers (City 2007). The sediments composing the Head of Bay are similar to those of the Whittier delta however; the deposits on the northern part of this delta are overlain by a moraine from the Learnard Glacier.

Due to the porous nature of the subsurface soils, there is a potential for the transport of contaminants via shallow groundwater onto the subject properties. The site's ground surface is reported to be compacted gravel.

There are several groundwater monitoring wells in the vicinity of the HOPC property that are associated with on-going cleanup activities at the DFSP-Whittier. Depths to groundwater for these wells is unknown. There were no drinking water wells in the vicinity of either of the subject properties (EDR 2007a; EDR 2007b).

The EDR reports did not list any public water supply systems within a 1-mile radius of the subject properties (EDR 2007a; EDR 2007b), however, all residents and commercial buildings in Whittier are connected to a public water system maintained and operated by the city of Whittier Water and Wastewater Department (Interview with Mark Earnest 2007). Water supply is provided by 3 deep groundwater wells, which pump into a manifold pipe (City 2007). A 10-inch water supply line runs from the manifold pipe through the City of Whittier. This line is reduced to a 6-inch line that feeds into a water storage tank with a capacity of over a million gallons.

## **5.0 RECORDS REVIEW**

Hart Crowser contracted with EDR to review regulatory agency database lists for the subject properties in accordance with current ASTM Standards (E 1527-05). EDR acquires data from government agencies on various media such as magnetic tape, disk, electronic, and hard copy. The agency-published databases are screened for documented sites of potential concern. The EDR reports were referenced for governmental records search. Governmental records searched include DEC's UST and Contaminated Sites database, EPA Region 10 Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) list, and Resource Conservation Recovery Act (RCRA) list to evaluate past incidents involving contaminated sites, UST, and LUST sites within a 1/4-mile radius of the subject properties (Appendix A).

### ***5.1 Results of Agency List Review and File Search***

**RCRA Small Quantity Generators (RCRA-SQG).** The EDR reports list sites that generate, transport, store, treat, and/or dispose of hazardous waste as defined by RCRA. Conditionally exempt small quantity generators (CESQG) generate less than 100 kilograms (kg) of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators generate over 1,000 kg of hazardous waste, or over 1 kg of acutely hazardous waste per month. The EDR report for the WSBH indicated that there is one RCRA-SQG site within a 1/4-mile radius of the subject property (EDR 2007b). This facility is located at the WSBH and is a collection facility for used oil, used batteries, and other hazardous waste. This facility is designated as a CESQG by the EPA and, therefore, a permit is not necessary for operation. An application for a wastewater disposal permit for the discharge of treated effluent from the Whittier EVOS Station was submitted to the DEC in September 1997. At this time, DEC determined that given the volume and nature of the discharge, a

permit was not required (Appendix B). RCRA-SQG sites listed on the orphan summary are not in the vicinity of either of the subject properties.

**Formerly Used Defense Sites (FUDS).** The EDR reports list locations of FUDS properties where the USACE is actively working or will take necessary cleanup actions. One FUDS property was listed in the EDR reports for both subject properties, the Port of Whittier (EDR 2007a; EDR 2007b). This site is a former DOD fuel storage facility, from which approximately 10 million gallons of diesel fuel spilled during the 1964 Alaska Earthquake, which was also identified in DEC's Contaminated Sites Database (DEC 2007). Extensive petroleum hydrocarbon impacts to soil, sediment, and groundwater have been identified for this site (DEC 2007). A Remedial Investigation and Feasibility Study completed in 1997 notes a potential for human and ecological exposure due to contaminated soil, sediment, and groundwater at this site (DEC 2007). Extensive efforts to fully characterize and mitigate the petroleum hydrocarbon contamination at this site have not been taken to date. Historical aerial photographs show that a portion of this site underlies the current location of the WSBH (Figure 2).

**State Hazardous Waste Sites (SHWS).** The EDR report uses the notation of SHWS. These sites are those that are listed in the DEC Contaminated Sites Program Database. State contaminated sites are not RCRA hazardous waste sites. One SHWS is listed in the EDR reports (EDR 2007a; EDR 2007b) and on the DEC Contaminated Sites Database as being within one mile of the subject properties. This site is the UHRO Barge Spill site, which is located west of the WSBH. In 1991, a tanker truck aboard a UHRO barge caught its hoses on the deck hardware and 900 to 1,500 gallons of diesel fuel were released to the water and onto the beach as a result. The U.S. Coast Guard (USCG) participated in the cleanup of water-borne fuel. According to the DEC Contaminated Sites Database, contaminated soils on the beach were excavated and stockpiled for treatment (DEC 2007). This site is currently listed as closed by the DEC. A review of the DEC Contaminated Sites Database indicated that none of the sites listed on the orphan summary as SHWS are in the immediate vicinity of either of the subject properties.

**Current UST Sites.** The EDR reports list sites that currently have USTs registered with the DEC. There are 5 "orphan" UST sites listed in the EDR report for both WSBH and HOPC (EDR 2007a; EDR 2007b). None of these sites are in the vicinity of the WSBH and HOPC properties.

**Leaking Underground Storage Tank (LUST) Sites.** The EDR reports listed one LUST site located within a ½-mile radius of the WSBH (EDR 2007b). Three LUST sites were listed on the orphan summaries for both subject properties (EDR

2007a; EDR 2007b). These sites are also listed in the DEC Contaminated Sites Database. The LUST site listed in the vicinity of the WSBH is the Begich Towers site (EDR 2007b), which is located approximately ½-mile southeast of the WSBH. A 15,000-gallon diesel UST was removed from this site on September 25, 1999 (DEC 2007). Diesel-range organics (DRO) contamination was encountered in the soils during the tank removal (DEC 2007). Approximately 300 cubic yards of contaminated soil was removed from the site and transported to Anchorage, Alaska, for treatment at Alaska Soil Recycling. This site is still listed as active in the DEC Contaminated Sites Database (DEC 2007). The LUST sites listed on the orphan summaries are located over 100 miles away from Whittier, Alaska, and the subject properties.

## ***5.2 Results of Site History/Land Use Review***

Publicly available aerial photographs, historical maps, and other relevant sources of literature were investigated for historical land use of the subject properties. Aerial photographs and historical information reviewed indicated that historically, both subject properties were used in some capacity by the DOD. The WSBH has been a small boat harbor since 1971. A portion of the HOPC property was used for a sawmill from approximately 1974 to 1977.

## ***5.3 Other Agency Review***

**DEC Contaminated Sites Database.** A search of the DEC Contaminated Sites Database identified 4 sites in the vicinity of the subject properties that were not listed in either of the EDR reports (DEC 2007). Two of these sites are LUST sites, one site is a Contaminated Site and a LUST site, and one site is a release of petroleum products from a storm drain in which the source of the petroleum is unknown. Brief descriptions of these sites are as follows:

- **DFSP-Whittier:** From 1956 to 1995, the Whittier Fuel Terminal has served as a fuel storage facility for the DOD. This facility is comprised of 85 acres and at one time had 19 ASTs and 6 USTs. A pipeline connecting the DFSP-Whittier to Anchorage Fuel Terminal in Anchorage, Alaska, was completed in 1967. Releases from tanks, pipelines, and during fuel handling operations have resulted in subsurface contamination at the facility and in the adjacent HOPC area. Petroleum hydrocarbon impacts to soils on the tank farm were noted during UST removal activities in 1991. Some contaminated soils were removed from the site in 2005 and transported to Anchorage, Alaska, for thermal remediation. Information obtained from the DEC Contaminated Sites Database and from Mr. Louis Howard indicate petroleum hydrocarbon impacts to groundwater in monitoring wells on the Former DFSP-Whittier property and the adjacent HOPC property. Monitoring wells showing

hydrocarbon impacts on the HOPC property are those immediately downgradient of the tank farm. Free-phase hydrocarbons were measured in groundwater in several wells on the subject property in the first quarter of 2007. Soil contamination is not specifically noted for the HOPC property, however given the presence of groundwater contamination, it is likely to be present in areas immediately downgradient of the tank farm. Long-term quarterly monitoring of groundwater and is ongoing. DEC has requested that the Defense Energy Support Center perform additional excavation to remove contaminated soils on the DFSP-Whittier property.

- **Alaska Department of Transportation & Public Facilities (DOT&PF) WSBH Dry Dock No. 1:** This site is a fuel-dispensing facility for the DOT&PF Whittier Dry Storage Area, located at the WSBH. Three USTs were removed from the site in 1999. Soil contamination was encountered during tank removal. Contaminated soils were delineated, however, were not removed from the excavation area. This site is listed as active by the DEC.
- **Whittier Power Plant, UST, and Utilidor:** A 1.5-million gallon UST that supplied fuel to a former power plant constructed in the 1940s was removed in 1998. DRO contaminated soil was discovered at the site during tank removal. This soil was excavated and transported to Anchorage, Alaska, for thermal remediation. The utilidor and UST piping were removed in 2003. Groundwater monitoring and site characterization is ongoing.
- **Whittier Storm Drain:** In 1999, a petroleum product, possibly kerosene or some sort of diesel type product, was observed exiting a storm drain near the WSBH. It is possible that this incident was the result of tidally mobilized fuel from the soils contaminated by the 1964 spill. This site is listed as active by the DEC.

**Chugach Electric Association.** The Chugach Electric Association was contacted regarding the polychlorinated biphenyl (PCB) content of the electrical transformers at the WSBH. According to Mr. Greg Arthur of the Chugach Electric Association, the transformers at the WSBH do not contain oil with PCBs (Appendix B).

**Whittier Fire and Rescue Department.** The Whittier Fire and Rescue Department was contacted regarding hazardous materials incidents at the subject properties. Aside from the previously mentioned 1964 spill at the former DOD fuel storage facility, there have been no hazardous materials incidents at either of the subject properties.

## **5.4 Aerial Photograph Review**

Several aerial photographs were reviewed to identify land use in the general area of the subject properties. Two aerial photographs that illustrate land use patterns for each were chosen. Photograph years for the WSBH include 1964 and 1997. Photographs from 1980 and 1997 were chosen for the HOPC.

### **5.4.1 WSBH Aerial Photographs**

The two aerial photographs purchased from Aero-Metric, Inc., are dated April 15, 1964 (Aero-Metric 1964) and September 3, 1997 (Aero-Metric 1997b). These photographs are included in Appendix C.

The 1964 aerial photograph shows the WSBH shortly after the 1964 Alaska Earthquake. Approximately 10 million gallons of diesel fuel was released from the former DOD fuel storage facility shown in the 1964 photograph (Figure C-1). Damage to the tanks in the tank farm as a result of the earthquake is apparent. It also appears as though the land on which the tank farm was situated experienced subsidence during the earthquake and is now below the high tide line. Stained soils resulting from the fuel release are not visible in the photograph, most likely because of tidal influences.

The 1997 photograph shows the WSBH after construction (Figure C-2). The road system and infrastructure in the vicinity of the WSBH have been expanded since 1964. Many of the visible roads appear to be paved in 1997. There are no ASTs or drum storage areas visible in the 1997 photograph. Areas of stained soils are not visible on the subject property or in its vicinity in this photograph.

It is evident when comparing the 1964 photograph to the 1997 photograph, that a small portion of land, approximately 150 feet wide and 1,000 feet long, was removed to create the WSBH. Changes to the shoreline from 1964 to 1997 appear to be predominantly man-made. We were unable to assess differences in vegetative cover due to the presence of snow in the 1964 photograph.

### **5.4.2 HOPC Aerial Photographs**

The two aerial photographs purchased from Aero-Metric, Inc., are dated July 2, 1980 (Aero-Metric 1980) and September 3, 1997 (Aero-Metric 1997a). These photographs are included in Appendix C.

The 1980 photograph (Figure C-3), shows the HOPC property after the 1964 Alaska Earthquake and during the time that the DFSP-Whittier was active. The sawmill is visible in this photograph. There are six structures in the subject

property area, all of which appear to have been part of the sawmill operation. A large amount of uncut timber is also visible in the photograph. Some stained soils are visible along the shoreline at the HOPC property, however, we were unable to determine whether these dark areas indicate wet soils or soils impacted by contamination. Several of the drainage areas and bodies of water in the center of the 1980 photograph show reddish-brown staining, possibly indicative of rusting metal. There are 10 ASTs visible at the adjacent DFSP-Whittier in this photograph.

1997 photograph (Figure C-4), shows the HOPC property after the majority of the sawmill buildings have been removed and after closure of the DFSP-Whittier. One building is still visible in the location of the former sawmill operation. A large amount of uncut lumber is still present in this area. Two small areas of stained soils are visible in the footprint of the former sawmill. It is unclear as to whether they represent wet soils or surface contamination. The reddish-brown stained areas are no longer present in this photograph. There is an abandoned barge at the northeast end of the Whittier airstrip.

Changes to the drainage from Learnard Glacier are evident in the upper portion of the photograph (Figure C-4). It is possible that some of these changes were man-induced in an effort to re-direct the stream channel around the tank farm. Changes to the shoreline from 1980 to 1997 are also apparent and are most likely due to changes in the stream channels and tidal differences. There are 13 visible ASTs at the adjacent DFSP-Whittier in this photograph.

## **5.5 Fire Insurance Maps**

Archival fire maps from either Sanborn or other fire insurance map companies do not cover the subject properties.

## **6.0 SITE RECONNAISSANCE**

As part of the Phase I ESA, Hart Crowser personnel performed a site reconnaissance of the subject properties. The locations of significant site features and topics of concern are discussed below. Selected photographs taken at the time of the site visit are included in Appendix D.

### **6.1 Site Reconnaissance Observations**

On May 24, 2007, Ms. Caryn Orvis of Hart Crowser conducted a site reconnaissance of the subject properties. Ms. Orvis inspected all accessible areas of the subject properties. Items noted in the site reconnaissance (the

Whittier EVOS Station at the WSBH, temporary storage of scrap metal and wood debris at the HOPC, etc.) were corroborated by information from the City.

### **6.1.1 PCBs**

Several electrical transformers are located at the WSBH. Mr. Greg Arthur of the Chugach Electric Association provided information regarding the PCB content of these transformers. All transformers at the WSBH do not contain PCBs. Documentation is provided in Appendix B.

There were no electrical transformers noted at the HOPC property.

### **6.1.2 Above/Underground Fuel Storage Tanks**

One small portable double-walled AST was observed at the WSBH during the site visit (Appendix D; page D-5). This AST is owned by the City and is used for fuel storage for portable generators at the WSBH. There was no evidence of spills noted during the site visit and the City reported that there have been no known releases of fuel from this AST.

Two USTs, one 21,000-gallon gasoline tank and one 21,000-gallon diesel tank, are located at the WSBH. These tanks belong to Shoreside Petroleum, Inc., and are used for fuel storage for the boat re-fueling dock at the WSBH (Appendix D; page D-6). Both USTs are double-walled and have double-walled piping. There have been no reported incidents of spills or leaks from these tanks.

There were no ASTs or USTs observed at the HOPC property during the site visit.

### **6.1.3 Stained Surface Soils**

Stained soils were not observed at either of the subject properties during the site visit.

### **6.1.4 Air Emissions**

There is one permitted SmartAsh<sup>®</sup> burner at the Hazardous Waste collection facility at the WSBH (Appendix D; page D-4). This unit is used for disposal of oil-soaked rags, etc.



### **6.1.5 Wastewater**

The WSBH is connected to the Whittier sanitary sewer system. Wastewater is collected in sewer mains and channeled to the Whittier Wastewater Treatment Facility. This facility is owned and operated by the Whittier Department of Public Works.

There were no sewer or wastewater disposal systems at the HOPC property at the time of the site visit.

### **6.1.6 Pesticides/Herbicides**

No stored pesticides or herbicides were observed on the subject properties.

### **6.1.7 Asbestos Containing Building Materials (ACBM)**

The majority of the buildings and infrastructure at the WSBH were constructed after 1980. It is possible that some of the buildings do contain ACBM.

There are no buildings at the HOPC property.

### **6.1.8 Drycleaners**

No dry cleaning chemicals are known to have been used on the properties. There are no dry cleaners located in the immediate vicinity of the subject properties.

### **6.1.9 Landfills, Waste Generation, and Disposal**

Currently there is no landfill in Whittier. All waste generated in Whittier is collected at a transfer station and transported to Anchorage, Alaska, for disposal at the Anchorage Municipal Landfill.

No evidence of historic landfill operations was found for either of the subject properties. There was no evidence of dumping or disposal of solid waste occurring on the subject properties.

There is a hazardous materials collection facility at the WSBH, the Whittier EVOS Station. This facility is operated by the City and is a CESQG. Hazardous materials such as used oil, used batteries, etc. are collected at this facility and transported to Anchorage, Alaska, for disposal or recycling at appropriate facilities. Per Mr. Mark Earnest, there have been no spills or hazardous materials incidents associated with this facility.

A large amount of scrap metal was staged at the HOPC property at the time of the site visit (Appendix D; pages D-10). The City is using this area as a staging area for these materials prior to transport to Anchorage, Alaska, for disposal.

#### **6.1.10 Water Supply**

Water supply to the WSBH is provided by three public wells (City 2007). There is no public water supply system at the HOPC property. Private drinking water wells were not observed at either property during the site visit.

#### **6.1.11 Lead-Based Paint (LBP)**

Given the ages of the structures, is possible that some of the painted surfaces of buildings at the WSBH could contain lead. There are no buildings at the HOPC property.

#### **6.1.12 Miscellaneous Observations**

**Hydrocarbon Sheen on Surface Water.** A hydrocarbon sheen was not observed on any of the surface water bodies in the subject properties.

**General Debris.** A large amount of metal and wood debris was noted on the HOPC property in the former sawmill area. Some household trash and evidence of campfire rings were also observed at the HOPC. Photographs of these materials are included in Appendix D.

### ***6.2 Adjacent Site and Vicinity Observations***

The WSBH is adjacent to a former DOD fuel storage facility, from which approximately 10 million gallons of diesel fuel spilled during the 1964 Alaska Earthquake. No evidence of this former facility was visible at the time of the site visit. Much of the property on which this facility was formerly situated is now paved, thus preventing inspection for surface staining. No environmental concerns were noted for properties adjacent to the WSBH during the site visit.

The property adjacent to the HOPC, the DFSP-Whittier, did contain several visible ASTs and reportedly contains USTs (Appendix D; pages D-8, D-13, and D-14). Cleanup activities and long-term monitoring are ongoing at this property (DEC 2007). Reportedly there was an unpermitted landfill that was used by the DOD on an adjacent property to the south of the HOPC property (Interview with Mark Earnest 2007). This area was inspected during the site visit. Some metal and wood debris was observed (Appendix D; pages D-8 and D-9). No soil staining was noted and a hydrocarbon sheen on the surface water bodies was

not observed. It is possible that items deposited in this landfill were buried in place. There are no recorded cleanup activities in this area.

## **7.0 PERSONNEL INTERVIEWS**

On May 24, 2007, Mr. Mark Earnest and Mr. Michael Davidson, City of Whittier staff and long-term residents, were interviewed at the subject properties. Both provided information regarding past and current uses of the subject properties.

Mr. Louis Howard of DEC, was interviewed via email on June 19, 2007. Mr. Howard provided information regarding cleanup efforts at the former DFSP-Whittier.

Mr. Jeff Brownlee of DEC, was interviewed via email on June 22, 2007. Mr. Brownlee provided information regarding institutional controls (IC) and responsible parties (RP) for the 1964 spill of diesel fuel at the former DOD fuel storage facility.

We attempted to contact the ARRC, but were unsuccessful.

## **8.0 CONCLUSIONS AND RECOMMENDATIONS**

We have performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-05 and in accordance with our approved proposal (07-4-1200-031) dated January 12, 2007, of the subject properties as identified in the introduction in Whittier, Alaska. Any exceptions to, or deletions from this practice are described in this report.

We declare that to the best of our professional knowledge that, Ms. Orvis meets the definition of environmental professional as defined in 40 Code of Federal Regulations (CFR), Part 312, Section 10 (40 CFR 312.10) (EPA 2005) and that Ms. Orvis has the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR 312.

This assessment has revealed no evidence of recognized environmental conditions in connection with the property, except for the following:

- The EDR search of government records and DEC records indicate that soil, sediment, and groundwater contamination is present on the WSBH property

due to a 1964 release of 10 million gallons of diesel fuel from a former DOD fuel storage facility. **Recommendation:** Future development of the WSBH shoreline should consider the high potential for petroleum impacts. An assessment of contaminant concentrations in soils, sediments, and groundwater in areas targeted for future development activities should be conducted to identify appropriate and required contaminant management methods. Costs associated with management of contaminated soils, sediments, and groundwater should be determined and factored into future development costs for the WSBH property.

- The EDR report and DEC records identified one SHWS, the UHRO Barge Spill Site, within a 1-mile radius of the WSBH and HOPC. **Recommendation:** This site is cross-gradient to both the WSBH and HOPC and is therefore not likely to impact the subject properties.
- A search of the DEC Contaminated Sites database identified one contaminated site/LUST site, the Former DFSP-Whittier Site, in the vicinity of the HOPC property. Several releases from both ASTs and USTs have been documented for this site. Petroleum hydrocarbon impacts to soil and groundwater contamination have been identified at the Former DFSP-Whittier site and on the adjacent HOPC property in the areas down gradient of the Former DFSP-Whittier. Future excavations or subsurface investigations on the HOPC property down gradient of the Former DFSP-Whittier site are likely to encounter soil and/or groundwater contamination.  
**Recommendation:** Future development plans at the HOPC property need to consider the high potential for petroleum impacts in soils and groundwater in areas immediately downgradient of the Former DFSP-Whittier site. An assessment of soil and groundwater contaminant concentrations in areas targeted for future development activities should be conducted to identify appropriate and required contaminant management methods. Costs associated with management of contaminated soil and groundwater should be determined and factored into future development costs for the HOPC property. Hart Crowser also recommends placing interim controls or notices as conditions of future development activities for subsurface work on the HOPC property until site-specific conditions can be evaluated further.
- The EDR search of government records and DEC records identified three LUST sites in the vicinity of the WSBH. These sites are either located at the WSBH or upgradient of the WSBH and, therefore, it is likely that contamination has migrated onto the WSBH property from these sites.  
**Recommendation:** An assessment of soil and groundwater contaminant concentrations in targeted for future development and expansion activities at

the WSBH should be conducted to identify appropriate and required contaminant management methods. Contamination assessment and management of contaminants should be determined and factored into future development costs for the WSBH property.

- A search of the DEC Contaminated Sites database identified one spill site, the Whittier Storm Drain Site, in the vicinity of the WSBH. The source of this release and an RP have not been identified, however, it is possible that this release is related to the 1964 spill of 10 million gallons of diesel fuel from the former DOD fuel storage facility. **Recommendation:** Additional efforts to fully characterize the extent of petroleum hydrocarbon impacts to soils, sediment, and groundwater at the WSBH are necessary. An assessment of contaminant concentrations in areas targeted for future development and expansion activities at the WSBH should be conducted to identify appropriate and required contaminant management methods. Costs associated with management of contaminated soils, sediments and groundwater should be determined and factored into future development costs for the WSBH property.
- A review of historic aerial photographs and the interview with Mr. Mark Earnest identified a former sawmill operation at the HOPC property. This review did not identify any recorded spills or hazardous materials incidents associated with this facility. Physical evidence of a release such as stained soils and stressed vegetation, in the area of the former sawmill was not observed during the site visit. It is possible that solvents, degreasers, petroleum products, and creosote were stored and used at this site when the sawmill was active. It is also possible that releases of these substances occurred while the sawmill was active that were not reported. **Recommendation:** An assessment of soil groundwater contaminant concentrations in areas targeted for future development activities in the vicinity of the former sawmill should be conducted to identify appropriate and required contaminant management methods. Costs associated with management of contaminants should be determined and factored into future development costs for the HOPC property.
- The interviews with Mr. Mark Earnest and Mr. Michael Davidson identified a former landfill adjacent to the HOPC property. This landfill is located cross-gradient to the HOPC property and, therefore, it is unlikely that any contamination associated with this landfill would affect the subject property. **Recommendation:** No action is necessary.
- One portable AST and two USTs were noted at the WSBH during the site visit. There was no evidence of releases from these tanks noted during the

site visit and there are no reported spills from these tanks. These tanks are double-walled and are in use. The USTs are in compliance with DEC monitoring requirements. **Recommendation:** No action is necessary.

## 9.0 LIMITATIONS

Work for this project was performed, and this Phase I report was prepared in accordance with generally accepted professional practices for the nature and conditions of the work completed in the same or similar localities, at the time the work was performed. It is intended for the exclusive use of DEC for specific application to the referenced subject properties. This report is not meant to represent a legal opinion. No other warranty, express or implied, is made.

We contracted with EDR to review regulatory agency database lists for the subject properties and nearby areas for sites that suggest a potential for environmental concern to the properties. EDR acquires data from government agencies on various media such as magnetic tape, disk, and hard copy. The agency-published databases are screened for documented sites of potential concern in general accordance with current ASTM Standards (E 1527-05). In reviewing their work, be advised that the regulatory agency database search is based on agency records, and is thus only as accurate as these records. As such, our review is strictly limited to the information provided to us by agency databases.

Our work for this report did not include testing of drinking water for lead content, sampling for air quality, assessment of storm or sanitary and sewer systems, sampling for radon vapor, nor identification hazardous building materials (HBM).

Questions regarding our work and this report, the presentation of the information, and the interpretation of the data are welcome and should be referred to the project manager at (907) 276-7475.

## 10.0 REFERENCES

The following sources were consulted during this Phase I ESA.

### 10.1 *Published References*

Aero-Metric, Inc., 1964. April 15, 1964 Aerial Photograph, Roll No. 64-21, Exposure No. 1-4.

Aero-Metric, Inc., 1980. July 2, 1980 Aerial Photograph, Roll No. 7961OR11, Exposure No. 9A-2.

Aero-Metric, 1997a. September 3, 1997 Aerial Photograph, Roll No. 97-7C, Exposure No. 117-5.

Aero-Metric, 1997b. September 3, 1997 Aerial Photograph, Roll No. 97-7C, Exposure No. 117-4.

American Society for Testing and Materials (ASTM), 2005. Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, E 1527-05. November 1, 2005.

Environmental Data Resources, Inc. (EDR), 2007a. Head of Passage Canal, End of West Camp Road, Whittier, AK 99686. March 27, 2007.

Environmental Data Resources, Inc. (EDR), 2007b. Whittier Small Boat Harbor, Harbor Road, Whittier, AK 99686. March 27, 2007.

U.S. Environmental Protection Agency (EPA), 2005. Title 40, Code of Federal Regulations (CFR), Protection of the Environment, Part 312 (40 CFR 312). November 1, 2005.

U.S. Geological Survey (USGS), 1984. Seward (D-5), Alaska Quadrangle Map.

USGS, 1995. Seward (D-5), Alaska Quadrangle Map.

## **10.2 Additional References**

1964 Alaska Earthquake information was accessed on March 27, 2007, at <http://wcatwc.arh.noaa.gov/about/64quake.htm> with information provided by the West Coast and Alaska Tsunami Warning Center (WCATWC).

Alaska Contaminated Sites Information was accessed on March 27, 2007, at [http://www.dec.state.ak.us/spar/csp/db\\_search.htm](http://www.dec.state.ak.us/spar/csp/db_search.htm) with information provided by the Alaska Department of Environmental Conservation (DEC).

City information, including environmental setting and geology, for the city of Whittier was accessed on March 27, 2007, at <http://www.ci.whittier.ak.us/about.html>.

Climate and Hydrogeologic Information for Whittier, Alaska was accessed on May 16, 2007, at [http://www.commerce.state.ak.us/dca/commdb/CF\\_BLOCK.cfm](http://www.commerce.state.ak.us/dca/commdb/CF_BLOCK.cfm) with information provided by DNR.

Floodplain Information for Whittier was accessed on June 14, 2007, at [http://www.poa.usace.army.mil/en/cw/fld\\_haz/whittier.htm](http://www.poa.usace.army.mil/en/cw/fld_haz/whittier.htm) with information provided by the U.S. Army Corps of Engineers (USACE).

Interview with Mark Earnest, City Manager, Whittier, Alaska on May 24, 2007.

Interview with Mike Davidson, Harbormaster, Whittier, Alaska on May 24, 2007.

National Wetlands Inventory (NWI) Map for Whittier accessed on June 14, 2007, at <http://wetlandsfws.er.usgs.gov/NWI/index.html> with information provided by the U.S. Fish and Wildlife Service (USFWS).

Water supply information for Whittier was accessed on June 14, 2007, at [http://www.ci.whittier.ak.us/water\\_service.html](http://www.ci.whittier.ak.us/water_service.html) with information provided by the Whittier Water and Wastewater Department.

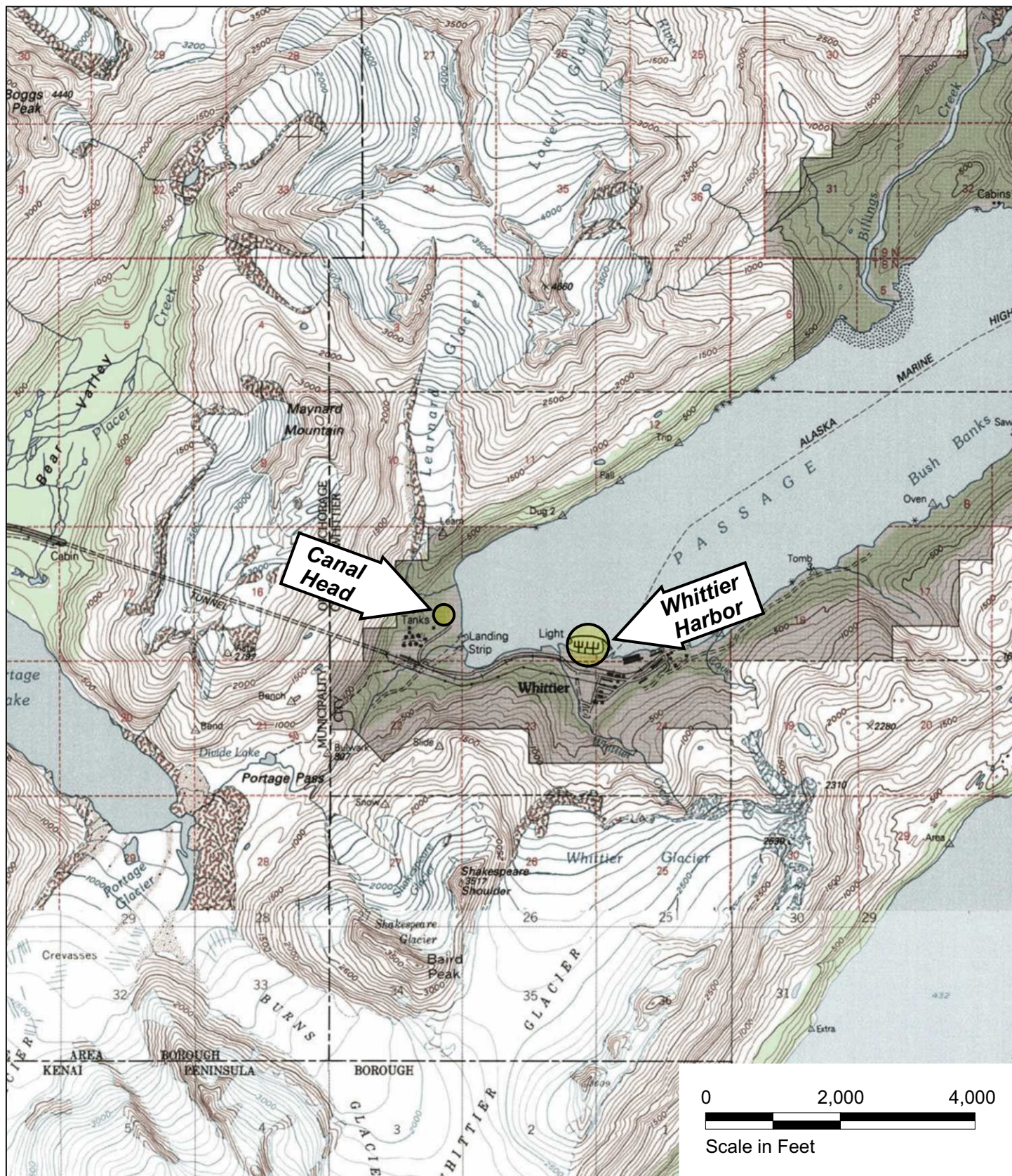
Whittier Conditionally Exempt SQG information was accessed on June 21, 2007, at <http://yosemite.epa.gov/R10/OWCM.NSF/info/rcrainfo> with information provided by the EPA.

Whittier information was accessed on June 14, 2007, at [http://www.commerce.state.ak.us/dca/commdb/CF\\_BLOCK.cfm](http://www.commerce.state.ak.us/dca/commdb/CF_BLOCK.cfm), with information provided by the DCCED.



JAB 6/20/07

896906 01 (Site Location).cdr



Source: Base map prepared from the USGS 7.5-minute quadrangle of Seward Alaska.

Whittier Small Boat Harbor and Head of Passage Canal  
Whittier, Alaska

Site Location Map

8969-06

6/07

**HARTCROWSER**

Figure

1



JAB 6-21-07

L:\ACAD-DWG\8900SERIES\8969-06\896906 02 (Site - Boat Harbor).dwg



0 200 400  
Approximate Scale in Feet



Whittier Small Boat Harbor and Head of Passage Canal  
Whittier Alaska

**Site Plan - Whittier Small Boat Harbor**

8969-06

6/07



Figure

**2**

Source: Aerial Photograph provided by Aero-Metric Inc., dated 9/3/97.



JAB 6-21-07

L:\ACAD-DWG\8900SERIES\8969-06\896906 03 (Site - Passage Canal).dwg



0 400 800  
Approximate Scale in Feet



Whittier Small Boat Harbor and Head of Passage Canal  
Whittier Alaska

**Site Plan - Head of Passage Canal**

8969-06

6/07



Figure

**3**

**Source:** Aerial Photograph provided by Aero-Metric Inc., dated 9/3/97.

**APPENDIX A**  
**EDR REGULATORY AGENCY REVIEW REPORT**



## **The EDR Radius Map with GeoCheck®**

**Head of Passage Canal  
End of West Camp Road  
Whittier, AK 99686**

**Inquiry Number: 1888514.6s**

**March 27, 2007**

## **The Standard in Environmental Risk Information**

440 Wheelers Farms Road  
Milford, Connecticut 06461

### **Nationwide Customer Service**

Telephone: 1-800-352-0050  
Fax: 1-800-231-6802  
Internet: [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.

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## EXECUTIVE SUMMARY

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

### TARGET PROPERTY INFORMATION

#### ADDRESS

END OF WEST CAMP ROAD  
WHITTIER, AK 99686

#### COORDINATES

Latitude (North):	60.780200 - 60° 46' 48.7"
Longitude (West):	148.717600 - 148° 43' 3.4"
Universal Tranverse Mercator:	Zone 6
UTM X (Meters):	406464.6
UTM Y (Meters):	6739324.5
Elevation:	31 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	N/A
Source:	USGS 7.5 min quad index

### TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

### DATABASES WITH NO MAPPED SITES

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

#### FEDERAL RECORDS

<b>NPL</b> .....	National Priority List
<b>Proposed NPL</b> .....	Proposed National Priority List Sites
<b>Delisted NPL</b> .....	National Priority List Deletions
<b>NPL RECOVERY</b> .....	Federal Superfund Liens
<b>CERCLIS</b> .....	Comprehensive Environmental Response, Compensation, and Liability Information System
<b>CERC-NFRAP</b> .....	CERCLIS No Further Remedial Action Planned
<b>CORRACTS</b> .....	Corrective Action Report
<b>RCRA-TSDF</b> .....	Resource Conservation and Recovery Act Information
<b>RCRA-LQG</b> .....	Resource Conservation and Recovery Act Information



## EXECUTIVE SUMMARY

<b>RCRA-SQG</b>	Resource Conservation and Recovery Act Information
<b>ERNS</b>	Emergency Response Notification System
<b>HMIRS</b>	Hazardous Materials Information Reporting System
<b>US ENG CONTROLS</b>	Engineering Controls Sites List
<b>US INST CONTROL</b>	Sites with Institutional Controls
<b>DOD</b>	Department of Defense Sites
<b>US BROWNFIELDS</b>	A Listing of Brownfields Sites
<b>CONSENT</b>	Superfund (CERCLA) Consent Decrees
<b>ROD</b>	Records Of Decision
<b>UMTRA</b>	Uranium Mill Tailings Sites
<b>ODI</b>	Open Dump Inventory
<b>TRIS</b>	Toxic Chemical Release Inventory System
<b>TSCA</b>	Toxic Substances Control Act
<b>FTTS</b>	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
<b>SSTS</b>	Section 7 Tracking Systems
<b>ICIS</b>	Integrated Compliance Information System
<b>RADINFO</b>	Radiation Information Database
<b>US CDL</b>	Clandestine Drug Labs
<b>LUCIS</b>	Land Use Control Information System
<b>PADS</b>	PCB Activity Database System
<b>MLTS</b>	Material Licensing Tracking System
<b>MINES</b>	Mines Master Index File
<b>FINDS</b>	Facility Index System/Facility Registry System
<b>RAATS</b>	RCRA Administrative Action Tracking System

### STATE AND LOCAL RECORDS

<b>SWF/LF</b>	Solid Waste Facilities
<b>LUST</b>	Leaking Underground Storage Tank Database
<b>UST</b>	Underground Storage Tank Database
<b>AST</b>	Regulated Aboveground Storage Tanks
<b>AK Spills</b>	Spills Database
<b>Inst Control</b>	Contaminated Sites with Institutional Controls
<b>VCP</b>	Voluntary Cleanup Program sites
<b>DRYCLEANERS</b>	Drycleaner Facility Listing
<b>BROWNFIELDS</b>	Identified and/or Proposed Brownfields Sites
<b>CDL</b>	Illegal Drug Manufacturing Sites
<b>NPDES</b>	Wastewater Discharge Permit Listing
<b>AIRS</b>	AIRS Facility Listing

### TRIBAL RECORDS

<b>INDIAN RESERV</b>	Indian Reservations
<b>INDIAN LUST</b>	Leaking Underground Storage Tanks on Indian Land
<b>INDIAN UST</b>	Underground Storage Tanks on Indian Land

### EDR PROPRIETARY RECORDS

**Manufactured Gas Plants**... EDR Proprietary Manufactured Gas Plants

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.



## EXECUTIVE SUMMARY

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.

### FEDERAL RECORDS

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

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

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
PORT OF WHITTIER		1/2 - 1 ESE	2	8

### STATE AND LOCAL RECORDS

**SHWS:** 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 where cleanup will be paid for by potentially responsible parties.

A review of the SHWS list, as provided by EDR, and dated 12/11/2006 has revealed that there is 1 SHWS site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b><i>UHRO BARGE SPILL</i></b>	<b><i>BEACH NEAR WHITTIER</i></b>	<b><i>1/4 - 1/2 SSE</i></b>	<b><i>1</i></b>	<b><i>6</i></b>

A listing of sites with engineering controls in place included in the Contaminated Sites.

A review of the ENG CONTROLS list, as provided by EDR, and dated 12/11/2006 has revealed that there is 1 ENG CONTROLS site within approximately 0.5 miles of the target property.

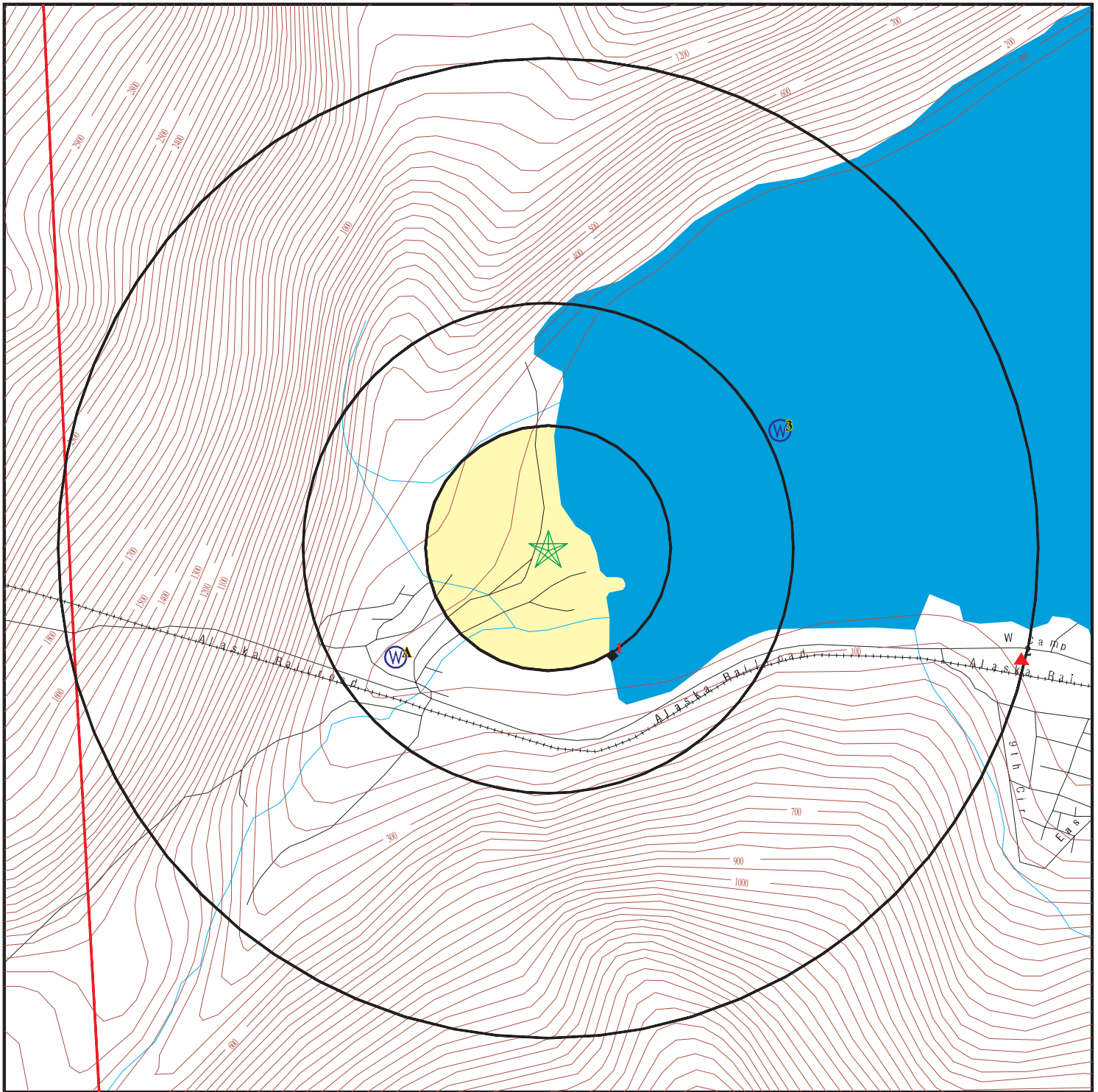
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b><i>UHRO BARGE SPILL</i></b>	<b><i>BEACH NEAR WHITTIER</i></b>	<b><i>1/4 - 1/2 SSE</i></b>	<b><i>1</i></b>	<b><i>6</i></b>

## EXECUTIVE SUMMARY

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

<u>Site Name</u>	<u>Database(s)</u>
ALYESKA VMT TUG DOCK UST CLOSURE	SHWS, ENG CONTROLS
ALYESKA VMT BERTH 3 BWH SPILL	SHWS, Inst Control, ENG CONTROLS
SOLOMON GULCH HATCHERY	SHWS, ENG CONTROLS
RAINBOW SERVICE STATION	SHWS, ENG CONTROLS
CITY OF VALDEZ LIFT STATION #1	SHWS, ENG CONTROLS
CITY OF VALDEZ FIRE STATION #4	SHWS, Inst Control, ENG CONTROLS
CITY OF VALDEZ ANIMAL SHELTER UST	SHWS, ENG CONTROLS
ADOT&PF MAINT. STN. THOMPSON PASS	SHWS, ENG CONTROLS
ADOTPF - VALDEZ MAINTENANCE STATIO	LUST
ADOTPF - ERNESTINE MAINTENANCE STA	LUST
BIG WHEEL TIRE ,INC.	LUST, UST
ERNESTINE MAINTENANCE STATION	UST
VALDEZ EQUIPMENT SHOP - STEAM PL	UST
THOMPSON PASS MAINTENANCE. STATION	UST
LIFT STATION #1	UST
ALPETCO REFINERY	RCRA-SQG, FINDS
ALASKA CONSTRUCTORS INC VALDEZ	RCRA-SQG, FINDS
ALASKA DOT & PF VALDEZ	RCRA-SQG, FINDS
RICHARDSON HWY #STP-071-162/67034	RCRA-SQG, FINDS
WHITTIER STORM DRAINS INTO PASSAGE	AK Spills

# OVERVIEW MAP - 1888514.6s



- ★ 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
- 🗑 Landfill Sites
- 🏢 Dept. Defense Sites



- 🏠 Indian Reservations BIA
- 📏 County Boundary

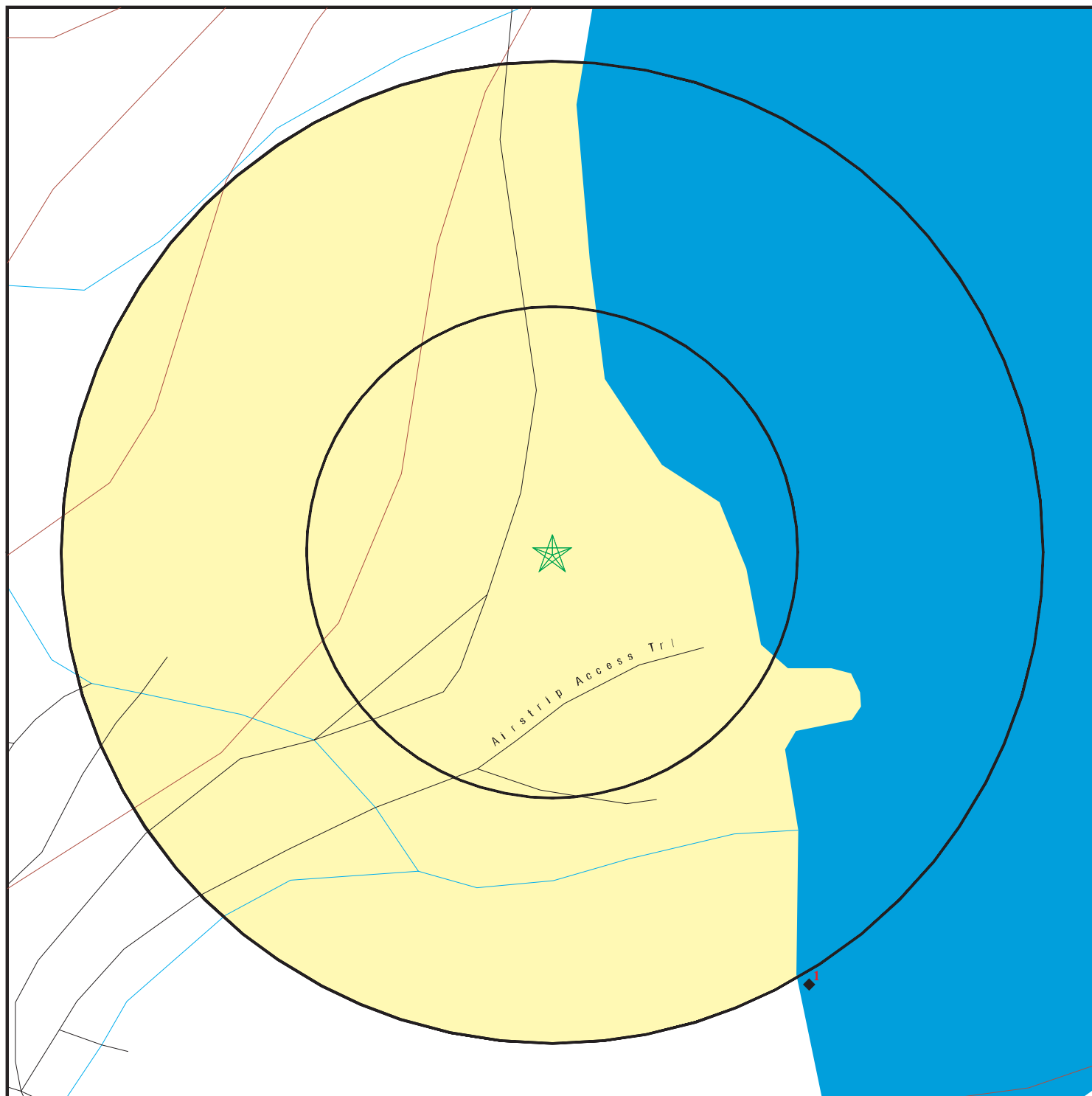


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Head of Passage Canal  
 ADDRESS: End of West Camp Road  
 Whittier AK 99686  
 LAT/LONG: 60.7802 / 148.7176

CLIENT: Hart Crowser, Inc.  
 CONTACT: Caryn Orvis  
 INQUIRY #: 1888514.6s  
 DATE: March 27, 2007 5:41 pm

# DETAIL MAP - 1888514.6s



- ★ 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
- 🗑 Landfill Sites
- 🏢 Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA



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: Head of Passage Canal  
 ADDRESS: End of West Camp Road  
 Whittier AK 99686  
 LAT/LONG: 60.7802 / 148.7176

CLIENT: Hart Crowser, Inc.  
 CONTACT: Caryn Orvis  
 INQUIRY #: 1888514.6s  
 DATE: March 27, 2007 5:41 pm

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b><u>FEDERAL RECORDS</u></b>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL RECOVERY	TP		NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	0	0	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRA TSD		0.500	0	0	0	NR	NR	0
RCRA Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRA Sm. Quan. Gen.		0.250	0	0	NR	NR	NR	0
ERNS	TP		NR	NR	NR	NR	NR	0
HMIRS	TP		NR	NR	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	1	NR	1
US BROWNFIELDS		0.500	0	0	0	NR	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
ODI		0.500	0	0	0	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
<b><u>STATE AND LOCAL RECORDS</u></b>								
State Haz. Waste		1.000	0	0	1	0	NR	1
State Landfill		0.500	0	0	0	NR	NR	0
LUST		0.500	0	0	0	NR	NR	0
UST		0.250	0	0	NR	NR	NR	0
AST		0.250	0	0	NR	NR	NR	0
AK Spills	TP		NR	NR	NR	NR	NR	0
ENG CONTROLS		0.500	0	0	1	NR	NR	1
Inst Control		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
BROWNFIELDS		0.500	0	0	0	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CDL		TP	NR	NR	NR	NR	NR	0
NPDES		TP	NR	NR	NR	NR	NR	0
AIRS		TP	NR	NR	NR	NR	NR	0
<b><u>TRIBAL RECORDS</u></b>								
INDIAN RESERV		1.000	0	0	0	0	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
<b><u>EDR PROPRIETARY RECORDS</u></b>								
Manufactured Gas Plants		1.000	0	0	0	0	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  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**1**  
**SSE**  
**1/4-1/2**  
**1351 ft.**

**UHRO BARGE SPILL**  
**BEACH NEAR WHITTIER**  
**WHITTIER, AK 99693**

**SHWS**  
**ENG CONTROLS**

**S104894391**  
**N/A**

**Relative:**  
**Lower**

SHWS:

**Actual:**  
**24 ft.**

FS Facility Site ID: 65850  
Hazard Id: 1308  
Lat/Long: 60.77305 / -148.68389  
Date Lat Lon Collected: Not reported  
Horizontal Accuracy: Not reported  
Horizontal Accuracy Unit ID: Not reported  
Horizontal Description Code: Not reported  
Horizontal Source Code: Not reported  
Horizontal Datum Code: Not reported  
Horizontal Method Code: I1  
Vertical Method Code: Not reported  
Vertical Datum Code: Not reported  
Vertical Accuracy: Not reported  
Source Scale Code: Not reported  
Verification Code: Not reported  
Federal Identifier: Not reported  
Flag Mobile: 0  
Description: 1991240123401  
Near: No  
Country: USA  
Region DEC: Not reported  
State Senate District: R  
State Representative District: 35  
Point Line Area Code: P  
Meridian Code: S  
Range: 004  
Range Direction Code: E  
Township: 008  
Township Direction: N  
Section: Not reported  
Subdivision: Not reported  
Block: Not reported  
Log: Not reported  
Date Created: 11/14/2005 11:11:04 AM  
Hydrologic Unit: Not reported  
Vertical Measure: Not reported  
Quadrangle Id: Not reported  
Flag Parent: Not reported  
Fs Election District ID: 255  
Comments: Not reported  
Xref Location Id: 1308  
Generic Name: Barge  
Description: UHRO Barge Spill  
Lat/Long: 60.77305 / -148.68389  
Date Collected: Not reported  
Haccuracy: Not reported  
Haccuracy Unit Id: Not reported  
Description Code: Not reported  
Hdatum Code: Not reported  
Hmethod Code: I1  
Hsource Code: Not reported  
Vertical Measure: Not reported  
Vaccuracy: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UHRO BARGE SPILL (Continued)**

**S104894391**

Vdatum Code:	Not reported		
Vmethod Code:	Not reported		
Source Scale Code:	Not reported		
Verification Code:	Not reported		
Comment:	Not reported		
Near:	No		
DEC File #:	CS100.81	Spilldate:	8/22/1991
Region:	24	Categorycode:	Responsible Party Lead
Rp Contact Id:	478	Rp Programcode:	RP Willing and Able
Staff Id:	181	Statuscode:	Closed
Analyte1:	164	Analyte2 Id:	0
Analyte3 Id:	0		
Analyte Id:	Not reported	Analyte Name:	Not reported
Alternate Name:	Not reported	Class:	Not reported
Casrefnbr:	Not reported	CS Action Level:	Not reported
Drinking Water MCL:	Not reported		
Affiliate Contact ID:	1308		
Affiliate Address ID:	1468		
Contact:	Chuck Kim		
Contact Telephone:	9075624468		
Staff ID:	Not reported		
Staff User Name:	Not reported		
Staff Last Name:	Not reported		
Staff Phone:	Not reported		
Staff Extention:	Not reported		
Staff Fax:	Not reported		
Staff Email:	Not reported		
Staff Administrator:	Not reported		
Staff Sectionmanager:	Not reported		
Staff Inactive:	Not reported		
Staff Affiliation:	Not reported		
Problem Cmmnt:	Tanker truck aboard UHRO barge caught it's hoses on deck hardware and hoses were pulled off. 900 - 1500 gallons of diesel oil spilled out into the water and onto the beach.		
Comment:	Not reported		

**ENG CONTROLS:**

FS facility:	65850
Address2:	NW of Boat Harbor
Hazard id:	1308
Dec File No:	CS100.81
Generic Name:	Barge
Description:	UHRO Barge Spill
Latitude:	60.77305
Longitude:	-148.68389
IC Description ID:	Not reported
IC Desc ID:	Not reported
Other IC Desc:	Not reported
Action Taken:	Not reported
Act Date:	Not reported
Sql Username:	Not reported
IC Description ID:	2107
IC Desc ID:	4
Other IC Desc:	Not reported
IC Description ID:	2108
IC Desc ID:	13
Other IC Desc:	Not reported



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

UHRO BARGE SPILL (Continued)

EDR ID Number  
EPA ID Number

Database(s)

S104894391

IC Description ID: 2109  
IC Desc ID: 9  
Other IC Desc: Not reported  
IC Description ID: Not reported  
Detail: Not reported  
IC Description ID: 2107  
Detail2: ADEC must be notified prior to installation of drinking water wells or other groundwater extraction wells on or in the vicinity of this site.  
IC Description ID: 2108  
Detail2: ADEC approval shall be obtained prior to removal and/or disposal of soil or groundwater from this site to an off site location.  
IC Description ID: 2109  
Detail2: If excavation is planned for the area of the former USTs, a plan to address the contamination remaining there shall be submitted to ADEC for review and approval.  
IC Description ID: Not reported  
Reporting Requirements: Not reported  
IC Description ID: Not reported  
Reporting Requirements2: Not reported  
IC Type Info: 1407  
IC Type ID: 1  
IC Other: Not reported  
IC Type ID: Not reported  
Type Description: Not reported  
IC COC Id: 2301  
Analyte ID: 86  
Level ID: 1  
IC Coc Other: Not reported  
IC COC Id: 2302  
Analyte ID: 164  
Level ID: 3  
IC Coc Other: Not reported  
IC COC Id: 2303  
Analyte ID: 175  
Level ID: 1  
IC Coc Other: Not reported  
IC Impacted Media: 1604  
IC COC ID: 1308  
IC Media ID: 1  
Event ID: 20  
Hazard ID: Not reported  
Groundwater Use: No  
Offsite Groundwater: Unknown  
Offsite Soil: No  
Req Compliance: Yes  
Future Groundwater Use: No

2  
ESE  
1/2-1  
5236 ft.

PORT OF WHITTIER  
WHITTIER, AK

FUDS 1007212786  
N/A

Relative:  
Higher

FUDS:  
Federal Facility ID: AK9799F9068  
Facility Name: PORT OF WHITTIER  
City: WHITTIER  
State: AK  
EPA Region: 10

Actual:  
40 ft.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**PORT OF WHITTIER (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1007212786**

County: VALDEZ-CORDOVA  
Congressional District: 00  
US Army District: Alaska District (POA)  
Fiscal Year: 2005  
Telephone: 907-753-2520  
NPL Status: Not Listed  
Description: The Port of Whittier is located in the City of Whittier, at  
RAB: Not reported  
History: The site was originally acquired for use during World War II  
Current Owner: CITY; PRIVATE; STATE  
CTC: 14773.30  
Current Prog: Not reported  
Future Prog: Not reported  
Latitude: 60.7836111  
Longitude: -148.7002778

**FUDS Description Details:**

The Port of Whittier is located in the City of Whittier, at the head of Passage Canal, a fiord of Prince William Sound in south central Alaska. The Army used this 4,479.18-acre site as a port facility for the movement of supplies to Anchorage during World War II. Along with the docks and terminal facilities, two railroad tunnels were constructed between Portage and Whittier. This site is primarily in the north half of Sections 23 and 24 of Township 8 North, Range 4 East, Seward Meridian. The former site is currently owned by multiple parties, including the Alaska Railroad corporation, the U.S. Forest Service, the City of Whittier, a commercial real estate company, and private owners.

**FUDS History Details:**

The site was originally acquired for use during World War II by permit of 21 June 1943 from the Department of the Interior, then relinquished in 1946. A portion was then reacquired by the following Public Land Orders: 587 (May 1949), 1088 (8 March 1955), 1113 (5 April 1955), 2349 (24 April 1961), and 2667 (2 May 1962) for 725.71 acres. Another 1,030.52 acres were obtained by use permit from the Alaska Railroad, the U.S. Forest Service, and the Bureau of Land Management. The Army expanded the port during this period, including a powerhouse, petroleum, oil, and lubricant tanks, and guns. A 1,000,000-gal. underground storage tank was removed in FY98. A remedial investigation and feasibility study was conducted in FY00 concerning the pipelines running from the removed tank and the contaminated soil along the pipelines.

## ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
JUNEAU	U003140991	ERNESTINE MAINTENANCE STATION	MILE 62 RICHARDSON HWY	99686	UST
JUNEAU	U003141006	VALDEZ EQUIPMENT SHOP - STEAM PL	MILE .5 RICHARDSON HWY	99686	UST
JUNEAU	U003765388	THOMPSON PASS MAINTENANCE. STATION	MILE 27 RICHARDSON HWY	99686	UST
VALDEZ	S105246767	ADOTPF - VALDEZ MAINTENANCE STATIO	MI 0.5 RICHARDSON HWY	99686	LUST
VALDEZ	S105246763	ADOTPF - ERNESTINE MAINTENANCE STA	MILE 62 RICHARDSON HWY ERNESTI	99686	LUST
VALDEZ	S105555740	RAINBOW SERVICE STATION	MILE 4 RICHARDSON HIGHWAY	99686	SHWS, ENG CONTROLS
VALDEZ	S106196221	CITY OF VALDEZ LIFT STATION #1	MILE 3 RICHARDSON HIGHWAY	99686	SHWS, ENG CONTROLS
VALDEZ	S106802326	CITY OF VALDEZ FIRE STATION #4	MILE 10 RICHARDSON HWY.	99686	SHWS, Inst Control, ENG CONTROLS
VALDEZ	S107029799	CITY OF VALDEZ ANIMAL SHELTER UST	MILE 3 RICHARDSON HWY.	99686	SHWS, ENG CONTROLS
VALDEZ	S107029806	ADOT&PF MAINT. STN. THOMPSON PASS	MILE 27 RICHARDSON HWY.	99686	SHWS, ENG CONTROLS
VALDEZ	U003141354	BIG WHEEL TIRE ,INC.	MILE 1 1/2 RICHARDSON HWY	99686	LUST, UST
VALDEZ	1000223715	ALPETCO REFINERY	RICHARDSON HWY 3 MI SW OF CY	99686	RCRA-SQG, FINDS
VALDEZ	1000382646	ALASKA CONSTRUCTORS INC VALDEZ	RICHARDSON HWY	99686	RCRA-SQG, FINDS
VALDEZ	1000856086	ALASKA DOT & PF VALDEZ	RICHARDSON HWY MI .5	99686	RCRA-SQG, FINDS
VALDEZ	1004670322	RICHARDSON HWY #STP-071-162/67034	RICHARDSON HWY MILE 14+026	99686	RCRA-SQG, FINDS
VALDEZ	U003839330	LIFT STATION #1	RICHARDSON HWY	99686	UST
WHITTIER	S104165963	WHITTIER STORM DRAINS INTO PASSAGE	WHITTIER STORM DRAINS INTO PAS		AK Spills
VALDEZ	S107029797	ALYESKA VMT TUG DOCK UST CLOSURE	ALYESKA VMT	99686	SHWS, ENG CONTROLS
VALDEZ	S105159490	ALYESKA VMT BERTH 3 BWH SPILL	BERTH 3	99686	SHWS, Inst Control, ENG CONTROLS
VALDEZ	S104894300	SOLOMON GULCH HATCHERY	DAYVILLE ROAD	99686	SHWS, ENG CONTROLS

# 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.

## **FEDERAL RECORDS**

### **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: 01/25/2007	Source: EPA
Date Data Arrived at EDR: 01/31/2007	Telephone: N/A
Date Made Active in Reports: 03/12/2007	Last EDR Contact: 01/31/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 04/30/2007
	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: 09/27/2006	Source: EPA
Date Data Arrived at EDR: 11/01/2006	Telephone: N/A
Date Made Active in Reports: 11/22/2006	Last EDR Contact: 02/23/2007
Number of Days to Update: 21	Next Scheduled EDR Contact: 04/30/2007
	Data Release Frequency: Quarterly

### **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: 12/28/2006	Source: EPA
Date Data Arrived at EDR: 01/31/2007	Telephone: N/A
Date Made Active in Reports: 03/12/2007	Last EDR Contact: 01/31/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 04/30/2007
	Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **NPL RECOVERY:** 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: 03/26/2007

Number of Days to Update: 56

Next Scheduled EDR Contact: 05/21/2007

Data Release Frequency: No Update Planned

### **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: 11/28/2006

Source: EPA

Date Data Arrived at EDR: 12/19/2006

Telephone: 703-603-8960

Date Made Active in Reports: 01/29/2007

Last EDR Contact: 03/21/2007

Number of Days to Update: 41

Next Scheduled EDR Contact: 06/18/2007

Data Release Frequency: Quarterly

### **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: 12/20/2006

Source: EPA

Date Data Arrived at EDR: 01/29/2007

Telephone: 703-603-8960

Date Made Active in Reports: 02/27/2007

Last EDR Contact: 03/19/2007

Number of Days to Update: 29

Next Scheduled EDR Contact: 06/18/2007

Data Release Frequency: Quarterly

### **CORRACTS:** Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 01/04/2007

Source: EPA

Date Data Arrived at EDR: 01/18/2007

Telephone: 800-424-9346

Date Made Active in Reports: 02/27/2007

Last EDR Contact: 03/05/2007

Number of Days to Update: 40

Next Scheduled EDR Contact: 06/04/2007

Data Release Frequency: Quarterly

### **RCRA:** Resource Conservation and Recovery Act Information

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). 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. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site 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: 06/13/2006	Source: EPA
Date Data Arrived at EDR: 06/28/2006	Telephone: 800-424-9346
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 02/27/2007
Number of Days to Update: 56	Next Scheduled EDR Contact: 04/16/2007
	Data Release Frequency: Quarterly

### **ERNS:** Emergency Response Notification System

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

Date of Government Version: 12/31/2006	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/24/2007	Telephone: 202-260-2342
Date Made Active in Reports: 03/12/2007	Last EDR Contact: 01/24/2007
Number of Days to Update: 47	Next Scheduled EDR Contact: 04/23/2007
	Data Release Frequency: Annually

### **HMIRS:** Hazardous Materials Information Reporting System

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

Date of Government Version: 11/28/2006	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 01/17/2007	Telephone: 202-366-4555
Date Made Active in Reports: 02/27/2007	Last EDR Contact: 01/17/2007
Number of Days to Update: 41	Next Scheduled EDR Contact: 04/16/2007
	Data Release Frequency: Annually

### **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: 10/18/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/14/2006	Telephone: 703-603-8905
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 01/02/2007
Number of Days to Update: 28	Next Scheduled EDR Contact: 04/02/2007
	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: 01/24/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/31/2007	Telephone: 703-603-8905
Date Made Active in Reports: 02/27/2007	Last EDR Contact: 01/02/2007
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/02/2007
	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: 703-692-8801
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 02/08/2007
Number of Days to Update: 62	Next Scheduled EDR Contact: 05/07/2007
	Data Release Frequency: Semi-Annually

### **FUDS:** Formerly Used Defense Sites

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

Date of Government Version: 12/31/2005	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 09/20/2006	Telephone: 202-528-4285
Date Made Active in Reports: 11/22/2006	Last EDR Contact: 01/02/2007
Number of Days to Update: 63	Next Scheduled EDR Contact: 04/02/2007
	Data Release Frequency: Varies

### **US BROWNFIELDS:** A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 10/17/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/20/2006	Telephone: 202-566-2777
Date Made Active in Reports: 12/13/2006	Last EDR Contact: 03/12/2007
Number of Days to Update: 54	Next Scheduled EDR Contact: 06/11/2007
	Data Release Frequency: Semi-Annually

### **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: 12/14/2004	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 02/15/2005	Telephone: Varies
Date Made Active in Reports: 04/25/2005	Last EDR Contact: 02/06/2007
Number of Days to Update: 69	Next Scheduled EDR Contact: 04/23/2007
	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: 01/10/2007	Source: EPA
Date Data Arrived at EDR: 01/24/2007	Telephone: 703-416-0223
Date Made Active in Reports: 02/27/2007	Last EDR Contact: 03/27/2007
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/02/2007
	Data Release Frequency: Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **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: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 11/08/2006	Telephone: 505-845-0011
Date Made Active in Reports: 01/29/2007	Last EDR Contact: 03/20/2007
Number of Days to Update: 82	Next Scheduled EDR Contact: 06/18/2007
	Data Release Frequency: Varies

### **ODI:** Open Dump Inventory

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

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

### **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: 12/31/2004	Source: EPA
Date Data Arrived at EDR: 06/22/2006	Telephone: 202-566-0250
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 03/20/2007
Number of Days to Update: 62	Next Scheduled EDR Contact: 06/18/2007
	Data Release Frequency: Annually

### **TSCA:** Toxic Substances Control Act

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

Date of Government Version: 12/31/2002	Source: EPA
Date Data Arrived at EDR: 04/14/2006	Telephone: 202-260-5521
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 01/15/2007
Number of Days to Update: 46	Next Scheduled EDR Contact: 04/16/2007
	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: 10/19/2006	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 10/27/2006	Telephone: 202-566-1667
Date Made Active in Reports: 11/22/2006	Last EDR Contact: 03/19/2007
Number of Days to Update: 26	Next Scheduled EDR Contact: 06/18/2007
	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: 10/19/2006	Source: EPA
Date Data Arrived at EDR: 10/27/2006	Telephone: 202-566-1667
Date Made Active in Reports: 11/22/2006	Last EDR Contact: 03/19/2007
Number of Days to Update: 26	Next Scheduled EDR Contact: 06/18/2007
	Data Release Frequency: Quarterly



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **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: 12/31/2004	Source: EPA
Date Data Arrived at EDR: 05/11/2006	Telephone: 202-564-4203
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 01/29/2007
Number of Days to Update: 11	Next Scheduled EDR Contact: 04/16/2007
	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: 02/13/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/21/2006	Telephone: 202-564-5088
Date Made Active in Reports: 05/11/2006	Last EDR Contact: 01/15/2007
Number of Days to Update: 20	Next Scheduled EDR Contact: 04/16/2007
	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: 01/30/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/31/2007	Telephone: 202-343-9775
Date Made Active in Reports: 02/27/2007	Last EDR Contact: 01/31/2007
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/30/2007
	Data Release Frequency: Quarterly

### **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: 12/01/2006	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 01/08/2007	Telephone: 202-307-1000
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 01/08/2007
Number of Days to Update: 3	Next Scheduled EDR Contact: 03/26/2007
	Data Release Frequency: Quarterly

### **LUCIS:** Land Use Control Information System

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

Date of Government Version: 12/09/2005	Source: Department of the Navy
Date Data Arrived at EDR: 12/11/2006	Telephone: 843-820-7326
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 03/26/2007
Number of Days to Update: 31	Next Scheduled EDR Contact: 06/11/2007
	Data Release Frequency: Varies

### **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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/17/2006  
Date Data Arrived at EDR: 11/29/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 43

Source: EPA  
Telephone: 202-566-0500  
Last EDR Contact: 03/02/2007  
Next Scheduled EDR Contact: 05/07/2007  
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: 01/11/2007  
Date Data Arrived at EDR: 01/26/2007  
Date Made Active in Reports: 02/27/2007  
Number of Days to Update: 32

Source: Nuclear Regulatory Commission  
Telephone: 301-415-7169  
Last EDR Contact: 01/02/2007  
Next Scheduled EDR Contact: 04/02/2007  
Data Release Frequency: Quarterly

### **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: 11/15/2006  
Date Data Arrived at EDR: 12/28/2006  
Date Made Active in Reports: 01/29/2007  
Number of Days to Update: 32

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 12/28/2006  
Next Scheduled EDR Contact: 03/26/2007  
Data Release Frequency: Semi-Annually

### **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: 01/18/2007  
Date Data Arrived at EDR: 01/23/2007  
Date Made Active in Reports: 02/27/2007  
Number of Days to Update: 35

Source: EPA  
Telephone: N/A  
Last EDR Contact: 01/02/2007  
Next Scheduled EDR Contact: 04/02/2007  
Data Release Frequency: Quarterly

### **RAATS:** RCRA Administrative Action Tracking System

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

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

Source: EPA  
Telephone: 202-564-4104  
Last EDR Contact: 03/05/2007  
Next Scheduled EDR Contact: 06/04/2007  
Data Release Frequency: No Update Planned

### **BRS:** Biennial Reporting System

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2003  
Date Data Arrived at EDR: 06/17/2005  
Date Made Active in Reports: 08/04/2005  
Number of Days to Update: 48

Source: EPA/NTIS  
Telephone: 800-424-9346  
Last EDR Contact: 03/06/2007  
Next Scheduled EDR Contact: 06/11/2007  
Data Release Frequency: Biennially

## **STATE AND LOCAL RECORDS**

### **SHWS: Contaminated Sites Database**

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: 12/11/2006  
Date Data Arrived at EDR: 12/20/2006  
Date Made Active in Reports: 01/17/2007  
Number of Days to Update: 28

Source: Department of Environmental Conservation  
Telephone: 907-269-7546  
Last EDR Contact: 03/12/2007  
Next Scheduled EDR Contact: 06/11/2007  
Data Release Frequency: Semi-Annually

### **SWF/LF: Solid Waste Facilities**

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: 01/19/2007  
Date Data Arrived at EDR: 01/19/2007  
Date Made Active in Reports: 02/22/2007  
Number of Days to Update: 34

Source: Department of Environmental Conservation  
Telephone: 907-269-7632  
Last EDR Contact: 01/19/2007  
Next Scheduled EDR Contact: 04/23/2007  
Data Release Frequency: Semi-Annually

### **LUST: Leaking Underground Storage Tank Database**

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: 12/13/2006  
Date Data Arrived at EDR: 12/13/2006  
Date Made Active in Reports: 01/17/2007  
Number of Days to Update: 35

Source: Department of Environmental Conservation  
Telephone: 907-465-5301  
Last EDR Contact: 03/14/2007  
Next Scheduled EDR Contact: 06/11/2007  
Data Release Frequency: Semi-Annually

### **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: 12/13/2006  
Date Data Arrived at EDR: 12/13/2006  
Date Made Active in Reports: 01/17/2007  
Number of Days to Update: 35

Source: Department of Environmental Conservation  
Telephone: 907-269-7504  
Last EDR Contact: 03/14/2007  
Next Scheduled EDR Contact: 06/11/2007  
Data Release Frequency: Semi-Annually

### **AST: Regulated Aboveground Storage Tanks**

The list covers "regulated" facilities with storage capacities above 10,000 barrels (or 5,000 barrels of crude).

Date of Government Version: 01/05/2005  
Date Data Arrived at EDR: 01/06/2005  
Date Made Active in Reports: 02/02/2005  
Number of Days to Update: 27

Source: Department of Environmental Conservation  
Telephone: 907-465-5231  
Last EDR Contact: 03/26/2007  
Next Scheduled EDR Contact: 06/11/2007  
Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **SPILLS:** Spills Database

Oil and hazardous substance releases to be reported to the Department of Environmental Conservation.

Date of Government Version: 12/31/2006  
Date Data Arrived at EDR: 01/29/2007  
Date Made Active in Reports: 02/22/2007  
Number of Days to Update: 24

Source: Department of Environmental Conservation  
Telephone: 907-465-5242  
Last EDR Contact: 01/29/2007  
Next Scheduled EDR Contact: 04/30/2007  
Data Release Frequency: Semi-Annually

### **ENG CONTROLS:** Engineering Controls Site Listing

A listing of sites with engineering controls in place included in the Contaminated Sites.

Date of Government Version: 12/11/2006  
Date Data Arrived at EDR: 01/19/2007  
Date Made Active in Reports: 02/22/2007  
Number of Days to Update: 34

Source: Department of Environmental Conservation  
Telephone: 907-465-5301  
Last EDR Contact: 03/12/2007  
Next Scheduled EDR Contact: 06/11/2007  
Data Release Frequency: Quarterly

### **Inst Control:** Contaminated Sites with Institutional Controls

Contaminated sites that have institutional controls.

Date of Government Version: 12/11/2006  
Date Data Arrived at EDR: 12/20/2006  
Date Made Active in Reports: 01/17/2007  
Number of Days to Update: 28

Source: Department of Environmental Conservation  
Telephone: 907-269-3063  
Last EDR Contact: 03/12/2007  
Next Scheduled EDR Contact: 06/11/2007  
Data Release Frequency: Semi-Annually

### **VCP:** Voluntary Cleanup Program sites

Sites involved in the Voluntary Cleanup Program.

Date of Government Version: 12/11/2006  
Date Data Arrived at EDR: 12/11/2006  
Date Made Active in Reports: 12/21/2006  
Number of Days to Update: 10

Source: Department of Environmental Conservation  
Telephone: 907-451-2182  
Last EDR Contact: 03/12/2007  
Next Scheduled EDR Contact: 06/11/2007  
Data Release Frequency: Varies

### **DRYCLEANERS:** Drycleaner Facility Listing

A listing of drycleaning facilities in Alaska.

Date of Government Version: 02/15/2006  
Date Data Arrived at EDR: 02/16/2006  
Date Made Active in Reports: 03/15/2006  
Number of Days to Update: 27

Source: Department of Environmental Conservation  
Telephone: 907-269-7577  
Last EDR Contact: 01/22/2007  
Next Scheduled EDR Contact: 04/23/2007  
Data Release Frequency: No Update Planned

### **BROWNFIELDS:** Identified and/or Proposed Brownfields Sites

Brownfield properties are defined by U.S Environmental Protection Agency (EPA) as "real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contamination." DEC is developing resources to assist eligible entities in Alaska in applying for EPA brownfields grants. The program also will provide technical assistance and perform some site assessments. The purpose of these assessments is to assist local redevelopment efforts on previously contaminated properties that are vacant or underused.

Date of Government Version: 08/28/2006  
Date Data Arrived at EDR: 10/09/2006  
Date Made Active in Reports: 10/19/2006  
Number of Days to Update: 10

Source: Department of Environmental Conservation  
Telephone: 907-451-2166  
Last EDR Contact: 03/14/2007  
Next Scheduled EDR Contact: 06/11/2007  
Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **CDL:** Illegal Drug Manufacturing Sites

A list of properties that have been determined to be illegal drug manufacturing sites.

Date of Government Version: 10/16/2006  
Date Data Arrived at EDR: 12/11/2006  
Date Made Active in Reports: 12/21/2006  
Number of Days to Update: 10

Source: Department of Environmental Conservation  
Telephone: 907-269-7543  
Last EDR Contact: 03/14/2007  
Next Scheduled EDR Contact: 06/11/2007  
Data Release Frequency: Varies

### **NPDES:** Wastewater Discharge Permit Listing

A listing of permitted wastewater facilities.

Date of Government Version: 11/24/2006  
Date Data Arrived at EDR: 11/27/2006  
Date Made Active in Reports: 12/21/2006  
Number of Days to Update: 24

Source: Department of Environmental Conservation  
Telephone: 907-465-5480  
Last EDR Contact: 03/16/2007  
Next Scheduled EDR Contact: 04/16/2007  
Data Release Frequency: Varies

### **AIRS:** AIRS Facility Listing

A listing of permitted airs facilities.

Date of Government Version: 02/06/2007  
Date Data Arrived at EDR: 02/06/2007  
Date Made Active in Reports: 03/14/2007  
Number of Days to Update: 36

Source: Department of Environmental Conservation  
Telephone: 907-451-2103  
Last EDR Contact: 02/05/2007  
Next Scheduled EDR Contact: 05/07/2007  
Data Release Frequency: Varies

## **TRIBAL RECORDS**

### **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: 02/06/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 339

Source: USGS  
Telephone: 202-208-3710  
Last EDR Contact: 02/08/2007  
Next Scheduled EDR Contact: 05/07/2007  
Data Release Frequency: Semi-Annually

### **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: 12/01/2006  
Date Data Arrived at EDR: 12/01/2006  
Date Made Active in Reports: 01/29/2007  
Number of Days to Update: 59

Source: EPA Region 1  
Telephone: 617-918-1313  
Last EDR Contact: 02/19/2007  
Next Scheduled EDR Contact: 05/21/2007  
Data Release Frequency: Varies

### **INDIAN LUST R6:** Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 01/04/2005  
Date Data Arrived at EDR: 01/21/2005  
Date Made Active in Reports: 02/28/2005  
Number of Days to Update: 38

Source: EPA Region 6  
Telephone: 214-665-6597  
Last EDR Contact: 02/19/2007  
Next Scheduled EDR Contact: 05/21/2007  
Data Release Frequency: Varies

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

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

Date of Government Version: 08/24/2006  
Date Data Arrived at EDR: 09/11/2006  
Date Made Active in Reports: 11/08/2006  
Number of Days to Update: 58

Source: EPA Region 4  
Telephone: 404-562-8677  
Last EDR Contact: 02/19/2007  
Next Scheduled EDR Contact: 05/21/2007  
Data Release Frequency: Semi-Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: 11/30/2006	Source: EPA Region 8
Date Data Arrived at EDR: 12/08/2006	Telephone: 303-312-6271
Date Made Active in Reports: 01/29/2007	Last EDR Contact: 02/19/2007
Number of Days to Update: 52	Next Scheduled EDR Contact: 05/21/2007
	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: 11/21/2006	Source: EPA Region 10
Date Data Arrived at EDR: 12/08/2006	Telephone: 206-553-2857
Date Made Active in Reports: 01/29/2007	Last EDR Contact: 02/19/2007
Number of Days to Update: 52	Next Scheduled EDR Contact: 02/21/2007
	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: 12/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/19/2006	Telephone: 415-972-3372
Date Made Active in Reports: 01/29/2007	Last EDR Contact: 02/19/2007
Number of Days to Update: 41	Next Scheduled EDR Contact: 05/21/2007
	Data Release Frequency: Quarterly

### INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 09/06/2006	Source: EPA Region 7
Date Data Arrived at EDR: 10/04/2006	Telephone: 913-551-7003
Date Made Active in Reports: 11/08/2006	Last EDR Contact: 02/19/2007
Number of Days to Update: 35	Next Scheduled EDR Contact: 05/21/2007
	Data Release Frequency: Varies

### INDIAN UST R4: Underground Storage Tanks on Indian Land

Date of Government Version: 08/24/2006	Source: EPA Region 4
Date Data Arrived at EDR: 09/11/2006	Telephone: 404-562-9424
Date Made Active in Reports: 11/08/2006	Last EDR Contact: 02/19/2007
Number of Days to Update: 58	Next Scheduled EDR Contact: 05/21/2007
	Data Release Frequency: Semi-Annually

### INDIAN UST R7: Underground Storage Tanks on Indian Land

Date of Government Version: 09/06/2006	Source: EPA Region 7
Date Data Arrived at EDR: 10/04/2006	Telephone: 913-551-7003
Date Made Active in Reports: 11/08/2006	Last EDR Contact: 02/19/2007
Number of Days to Update: 35	Next Scheduled EDR Contact: 05/21/2007
	Data Release Frequency: Varies

### INDIAN UST R8: Underground Storage Tanks on Indian Land

Date of Government Version: 11/30/2006	Source: EPA Region 8
Date Data Arrived at EDR: 12/08/2006	Telephone: 303-312-6137
Date Made Active in Reports: 01/29/2007	Last EDR Contact: 02/19/2007
Number of Days to Update: 52	Next Scheduled EDR Contact: 05/21/2007
	Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### INDIAN UST R5: Underground Storage Tanks on Indian Land

Date of Government Version: 12/02/2004	Source: EPA Region 5
Date Data Arrived at EDR: 12/29/2004	Telephone: 312-886-6136
Date Made Active in Reports: 02/04/2005	Last EDR Contact: 02/19/2007
Number of Days to Update: 37	Next Scheduled EDR Contact: 05/21/2007
	Data Release Frequency: Varies

### INDIAN UST R10: Underground Storage Tanks on Indian Land

Date of Government Version: 11/21/2006	Source: EPA Region 10
Date Data Arrived at EDR: 12/08/2006	Telephone: 206-553-2857
Date Made Active in Reports: 01/29/2007	Last EDR Contact: 02/19/2007
Number of Days to Update: 52	Next Scheduled EDR Contact: 05/21/2007
	Data Release Frequency: Quarterly

### INDIAN UST R1: Underground Storage Tanks on Indian Land

A listing of underground storage tank locations on Indian Land.

Date of Government Version: 12/01/2006	Source: EPA, Region 1
Date Data Arrived at EDR: 12/01/2006	Telephone: 617-918-1313
Date Made Active in Reports: 01/29/2007	Last EDR Contact: 02/19/2007
Number of Days to Update: 59	Next Scheduled EDR Contact: 05/21/2007
	Data Release Frequency: Varies

### INDIAN UST R6: Underground Storage Tanks on Indian Land

Date of Government Version: 01/11/2007	Source: EPA Region 6
Date Data Arrived at EDR: 01/12/2007	Telephone: 214-665-7591
Date Made Active in Reports: 01/29/2007	Last EDR Contact: 02/19/2007
Number of Days to Update: 17	Next Scheduled EDR Contact: 05/21/2007
	Data Release Frequency: Semi-Annually

### INDIAN UST R9: Underground Storage Tanks on Indian Land

Date of Government Version: 12/19/2006	Source: EPA Region 9
Date Data Arrived at EDR: 12/19/2006	Telephone: 415-972-3368
Date Made Active in Reports: 01/29/2007	Last EDR Contact: 02/19/2007
Number of Days to Update: 41	Next Scheduled EDR Contact: 05/21/2007
	Data Release Frequency: Quarterly

### EDR PROPRIETARY RECORDS

#### Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

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

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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.

### **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: 10/26/2006

Date Data Arrived at EDR: 11/29/2006

Date Made Active in Reports: 01/05/2007

Number of Days to Update: 37

Source: Department of Environmental Conservation

Telephone: 518-402-8651

Last EDR Contact: 03/02/2007

Next Scheduled EDR Contact: 05/28/2007

Data Release Frequency: Annually

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

### **Electric Power Transmission Line Data**

Source: PennWell Corporation

Telephone: (800) 823-6277

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**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: Child Care Facilities Database**

Source: Department of Education & Early Development

Telephone: 907-465-2800



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

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

**State Wetlands Data: Wetlands Inventory Data**

Source: Department of Fish & Game  
Telephone: 907-465-4100

### STREET AND ADDRESS INFORMATION

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

### **TARGET PROPERTY ADDRESS**

HEAD OF PASSAGE CANAL  
END OF WEST CAMP ROAD  
WHITTIER, AK 99686

### **TARGET PROPERTY COORDINATES**

Latitude (North):	60.78020 - 60° 46' 48.7"
Longitude (West):	148.7176 - 148° 43' 3.4"
Universal Transverse Mercator:	Zone 6
UTM X (Meters):	406464.6
UTM Y (Meters):	6739324.5
Elevation:	31 ft. above sea level

### **USGS TOPOGRAPHIC MAP**

Target Property:	N/A
Source:	USGS 7.5 min quad index

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

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

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

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

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### GROUNDWATER FLOW DIRECTION INFORMATION

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

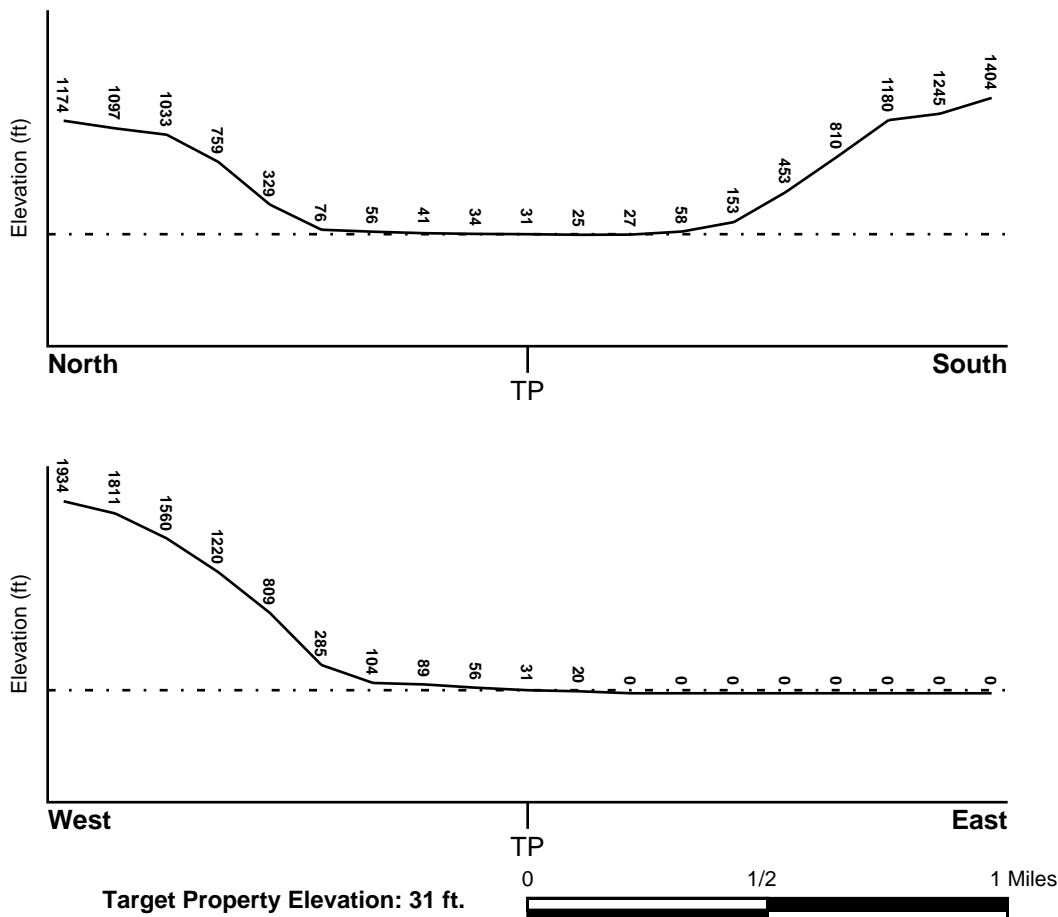
## TOPOGRAPHIC INFORMATION

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

## TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General East

## SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### HYDROLOGIC INFORMATION

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

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

### FEMA FLOOD ZONE

<u>Target Property County</u>	<u>FEMA Flood Electronic Data</u>
VALDEZ_CORDOVA, AK	Not Available

Flood Plain Panel at Target Property: Not Reported

Additional Panels in search area: Not Reported

### NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
Not Reported	N

### 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.

### 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: -  
System: -  
Series: -  
Code: N/A (decoded above as Era, System & Series)

#### GEOLOGIC AGE IDENTIFICATION

Category: -

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

### DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

Soil Component Name: TYPIC HUMICRYODS

Soil Surface Texture: very gravelly - silt loam

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

Soil Drainage Class: Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	3 inches	very gravelly - silt 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: 2.00 Min: 0.60	Max: 0.00 Min: 0.00
2	3 inches	8 inches	gravelly - sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 2.00 Min: 0.60	Max: 5.50 Min: 3.60
3	8 inches	22 inches	very gravelly - coarse sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 5.50 Min: 4.50
4	22 inches	60 inches	very cobbly - sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 5.50 Min: 5.10

### OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinator soil types may appear within the general area of target property.

Soil Surface Textures: peat  
gravelly - silt loam  
silt loam

Surficial Soil Types: peat  
gravelly - silt loam  
silt loam

Shallow Soil Types: gravelly - silt loam  
very gravelly - silt loam  
silt loam

Deeper Soil Types: very stony - silt loam  
very gravelly - sandy loam  
extremely gravelly - silt loam  
hemic material

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

unweathered bedrock  
stratified  
sand  
mucky-peat

### 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

### FEDERAL USGS WELL INFORMATION

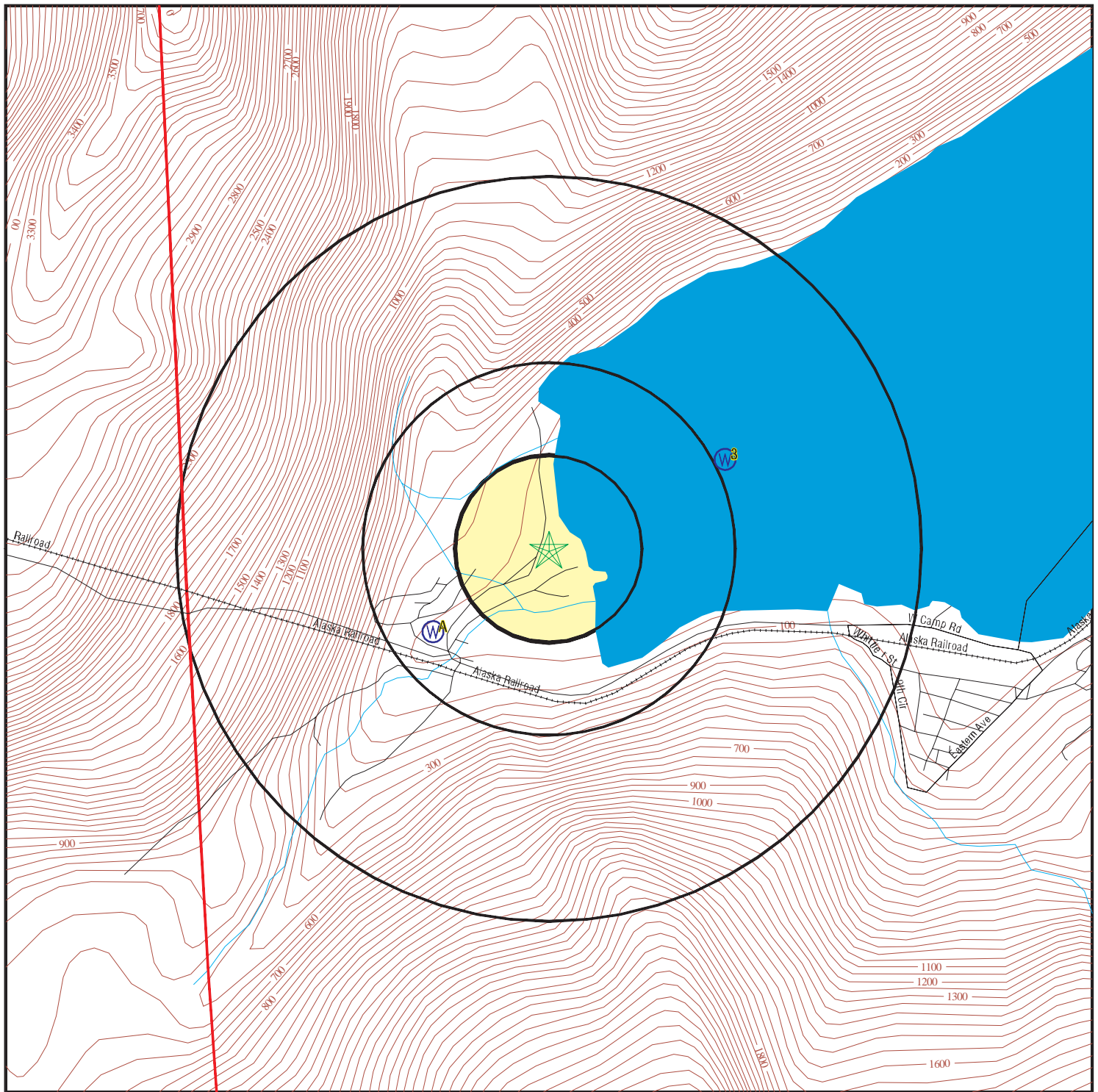
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	USGS2028737	1/4 - 1/2 Mile SW
A2	USGS2028736	1/4 - 1/2 Mile SW
3	USGS2028738	1/2 - 1 Mile ENE

### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

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

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

# PHYSICAL SETTING SOURCE MAP - 1888514.6s



- 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



SITE NAME: Head of Passage Canal  
 ADDRESS: End of West Camp Road  
 Whittier AK 99686  
 LAT/LONG: 60.7802 / 148.7176

CLIENT: Hart Crowser, Inc.  
 CONTACT: Caryn Orvis  
 INQUIRY #: 1888514.6s  
 DATE: March 27, 2007 5:42 pm



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database EDR ID Number

**A1**  
**SW**  
**1/4 - 1/2 Mile**  
**Higher**

**FED USGS USGS2028737**

Agency cd:	USGS	Site no:	604640148433002
Site name:	SA00800415DCDC2 001		
Latitude:	604640		
Longitude:	1484330	Dec lat:	60.77721444
Dec lon:	-148.72713452	Coor meth:	M
Coor accr:	M	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	02
State:	02	County:	261
Country:	US	Land net:	SESWSES15 T008N R004E S
Location map:	SEWARD D-5	Map scale:	63360
Altitude:	30.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	50		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	19020202		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	AKST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	95.0	Hole depth:	95.0
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**A2**  
**SW**  
**1/4 - 1/2 Mile**  
**Higher**

**FED USGS USGS2028736**

Agency cd:	USGS	Site no:	604640148433001
Site name:	SA00800415DCDC1 001		
Latitude:	604640		
Longitude:	1484330	Dec lat:	60.77721444
Dec lon:	-148.72713452	Coor meth:	M
Coor accr:	M	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	02
State:	02	County:	261
Country:	US	Land net:	SESWSES15 T008N R004E S
Location map:	SEWARD D-5	Map scale:	63360

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude:	30.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	50		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	19020202		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19650421
Date inventoried:	Not Reported	Mean greenwich time offset:	AKST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	82.0	Hole depth:	82.0
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

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

**FED USGS      USGS2028738**

Agency cd:	USGS	Site no:	604702148420401
Site name:	SA00800415DAAB1 002		
Latitude:	604702		
Longitude:	1484204	Dec lat:	60.78331793
Dec lon:	-148.70324222	Coor meth:	M
Coor accr:	M	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	02
State:	02	County:	261
Country:	US	Land net:	NENESES15 T008N R004E S
Location map:	SEWARD D-5	Map scale:	63360
Altitude:	16.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	19020202		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	AKST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	15.0	Hole depth:	15.0
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported

## **GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS**

Peak flow data count: Not Reported  
Water quality data end date: Not Reported  
Ground water data begin date: Not Reported  
Ground water data count: Not Reported

Water quality data begin date: Not Reported  
Water quality data count: Not Reported  
Ground water data end date: Not Reported

Ground-water levels, Number of Measurements: 0

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

State Database: AK Radon

### Radon Test Results

City	Zip	Total Sites	<0.5 pCi/L	0.5-2.0	2.1-4.0	4.1-10	10-20	>20 pCi/L
Valdez	99686	21	9	3	7	2	0	0

Federal EPA Radon Zone for VALDEZ-CORDOVA 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: 99686

Number of sites tested: 14

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.579 pCi/L	93%	7%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	2.150 pCi/L	83%	17%	0%

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

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

Source: United States Geologic Survey

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

## HYDROLOGIC INFORMATION

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

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

### **State Wetlands Data: Wetlands Inventory Data**

Source: Department of Fish & Game

Telephone: 907-465-4100

## 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.

## OTHER STATE DATABASE INFORMATION

### RADON

#### **State Database: AK Radon**

Source: University of Alaska Fairbanks

Telephone: 907-474-7201

Radon Information

#### **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

#### **Epcenters:** World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

## STREET AND ADDRESS INFORMATION

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# **EDR Historical Topographic Map Report**

**Head of Passage Canal  
End of West Camp Road  
Whittier, AK 99686**

**Inquiry Number: 1888514.8**

**March 28, 2007**



**EDR®** Environmental  
Data Resources Inc

## **The Standard in Environmental Risk Management Information**

440 Wheelers Farms Rd  
Milford, Connecticut 06461

### **Nationwide Customer Service**

Telephone: 1-800-352-0050  
Fax: 1-800-231-6802  
Internet: [www.edrnet.com](http://www.edrnet.com)

# EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

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

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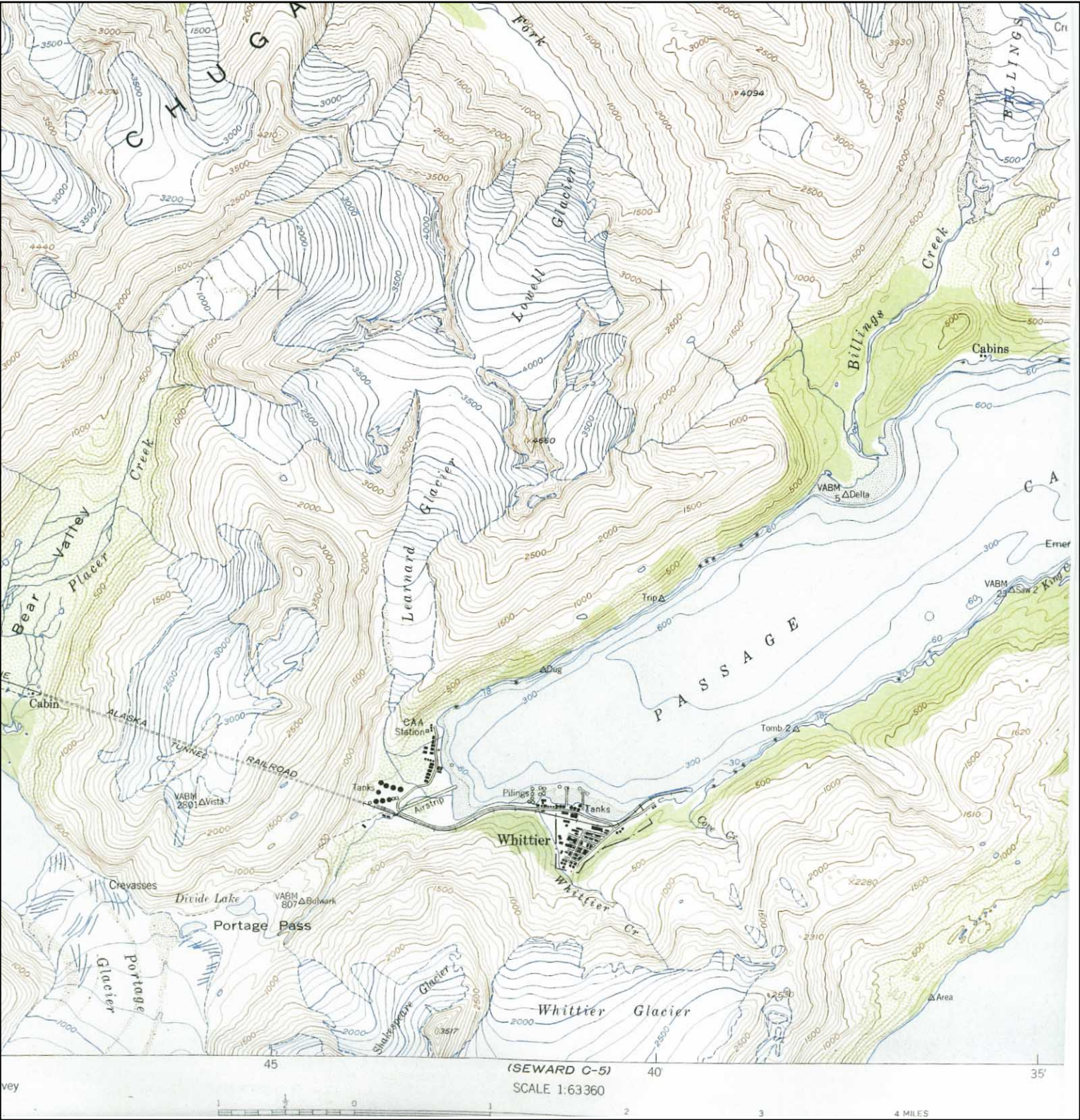
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Historical Topographic Map




<div><div>N</div><div>↑</div></div>	TARGET QUAD	SITE NAME:	Head of Passage Canal	CLIENT:	Hart Crowser, Inc.
	NAME: Seward (D-5), AK	ADDRESS:	End of West Camp Road	CONTACT:	Caryn Orvis
	MAP YEAR: 1952	LAT/LONG:	Whittier, AK 99686	INQUIRY#:	1888514.8
	SERIES: 15			RESEARCH DATE:	03/28/2007
	SCALE: 1:63,360				



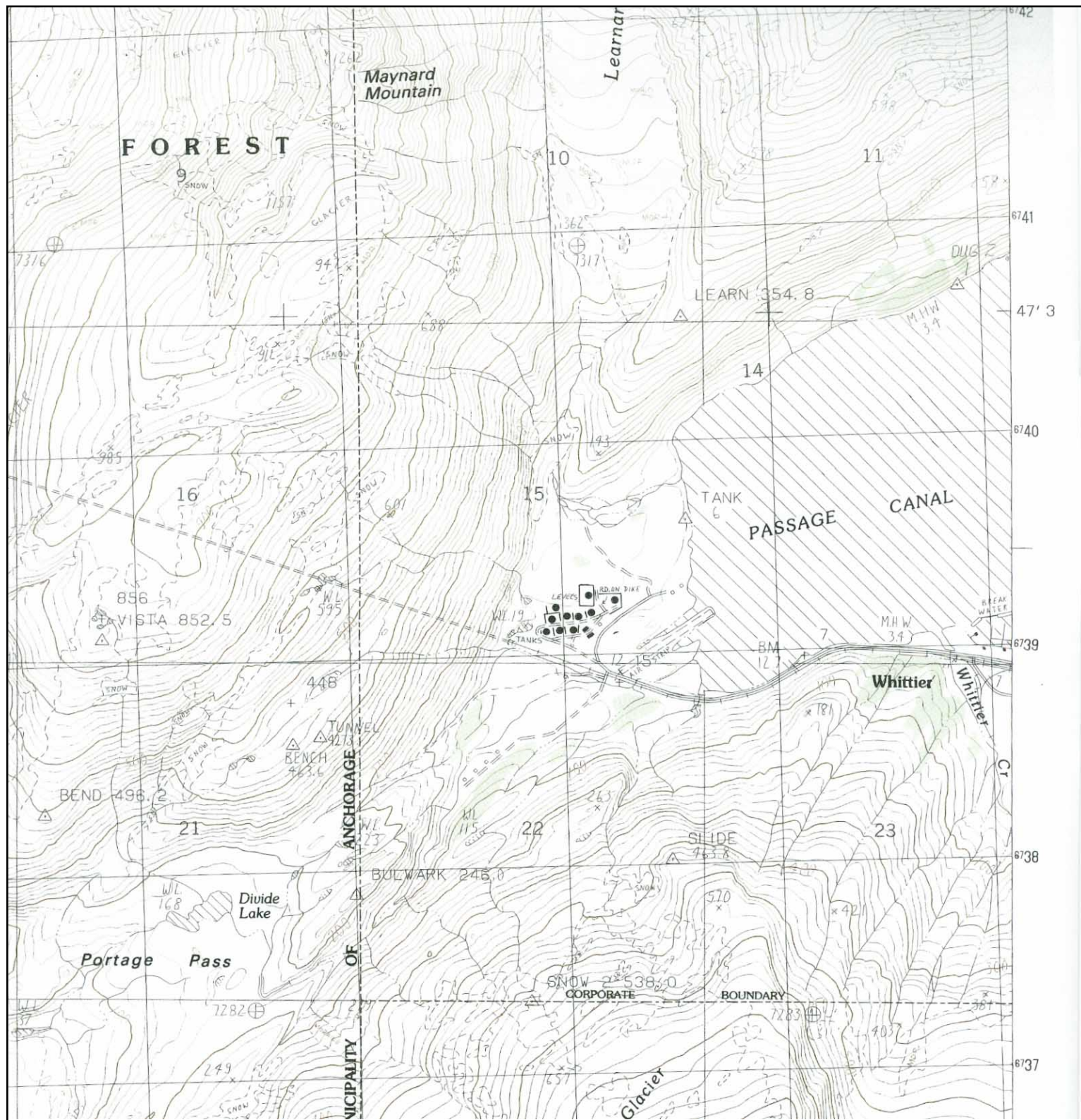
# Historical Topographic Map



	TARGET QUAD	SITE NAME:	Head of Passage Canal	CLIENT:	Hart Crowser, Inc.
	NAME: Seward (D-5), AK	ADDRESS:	End of West Camp Road	CONTACT:	Caryn Orvis
	MAP YEAR: 1966		Whittier, AK 99686	INQUIRY#:	1888514.8
	REVISED FROM: 1951	LAT/LONG:	60.7802 / 148.7176	RESEARCH DATE:	03/28/2007
	SERIES: 15				
	SCALE: 1:63,360				



# Historical Topographic Map



## TARGET QUAD

NAME: Seward (D-5) SW, AK  
MAP YEAR: 1984

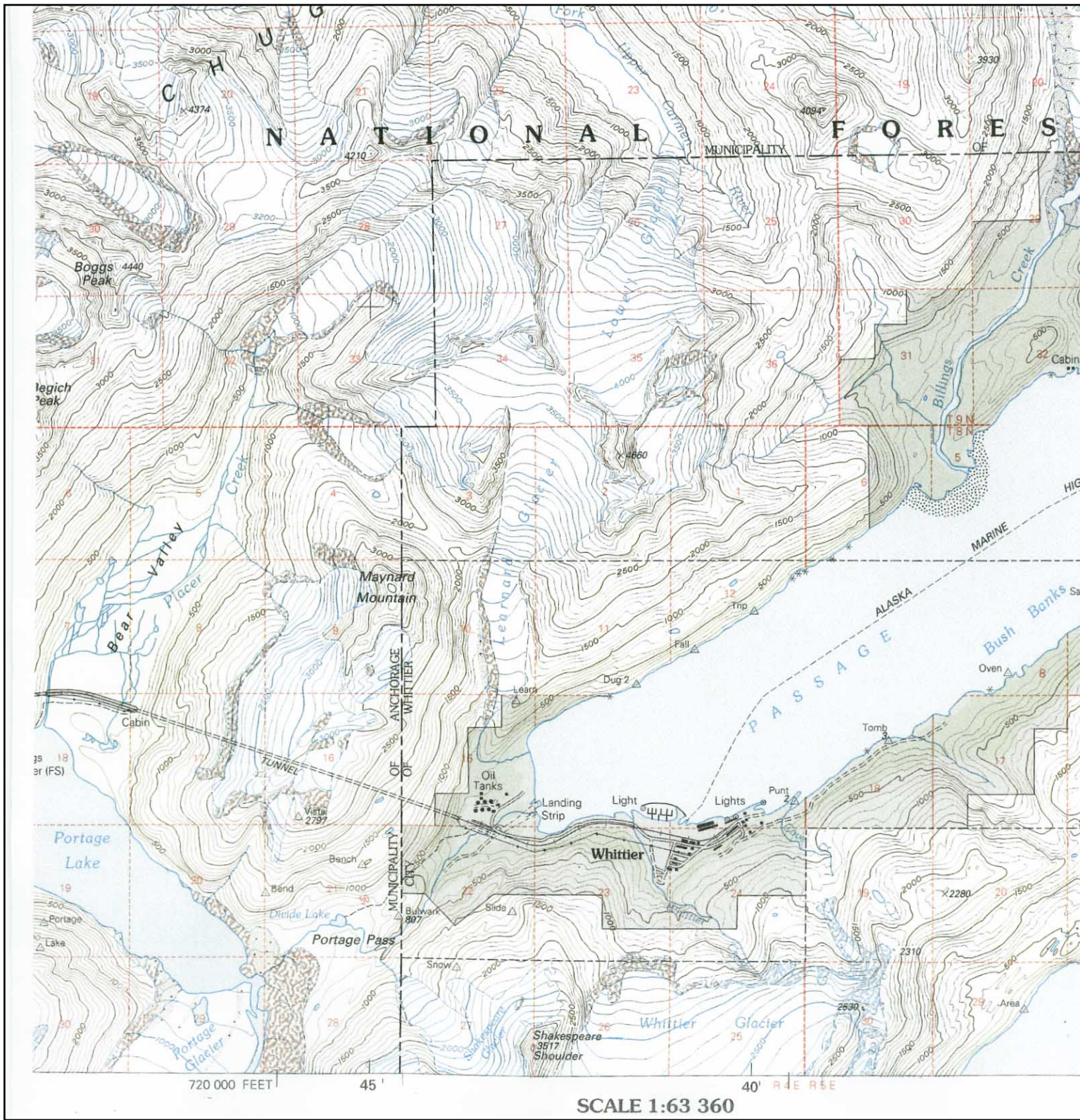
SERIES: 7.5  
SCALE: 1:25,000

SITE NAME: Head of Passage Canal  
ADDRESS: End of West Camp Road  
Whittier, AK 99686  
LAT/LONG: 60.7802 / 148.7176

CLIENT: Hart Crowser, Inc.  
CONTACT: Caryn Orvis  
INQUIRY#: 1888514.8  
RESEARCH DATE: 03/28/2007



## Historical Topographic Map



<div>N</div> <div>↑</div>	TARGET QUAD	SITE NAME: Head of Passage Canal	CLIENT: Hart Crowser, Inc.
	NAME: Seward (D-5), AK	ADDRESS: End of West Camp Road	CONTACT: Caryn Orvis
	MAP YEAR: 1995	Whittier, AK 99686	INQUIRY#: 1888514.8
		LAT/LONG: 60.7802 / 148.7176	RESEARCH DATE: 03/28/2007
	SERIES: 15		
	SCALE: 1:63,360		



"Linking Technology with Tradition"®

## Sanborn® Map Report

**Ship To:** Caryn Orvis  
Hart Crowser, Inc.  
2600 Cordova Street  
Anchorage, AK 99503

**Order Date:** 3/27/2007   **Completion Date:** 3/27/2007  
**Inquiry #:** 1888514.7  
**P.O. #:** 8969-06  
**Site Name:** Head of Passage Canal

**Customer Project:** Whittier Ph I E  
1033409BRU   907-276-7475

**Address:** End of West Camp Road  
**City/State:** Whittier, AK 99686  
**Cross Streets:**

This document reports that the largest and most complete collection of Sanborn fire insurance maps has been reviewed based on client supplied information, and fire insurance maps depicting the target property at the specified address were not identified.

**NO COVERAGE**

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report AS IS. Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.



## **The EDR Radius Map with GeoCheck®**

**Whittier Small Boat Harbor  
Harbor Road  
Whittier, AK 99686**

**Inquiry Number: 1888514.2s**

**March 27, 2007**

## **The Standard in Environmental Risk Information**

440 Wheelers Farms Road  
Milford, Connecticut 06461

### **Nationwide Customer Service**

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

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## EXECUTIVE SUMMARY

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

### TARGET PROPERTY INFORMATION

#### ADDRESS

HARBOR ROAD  
WHITTIER, AK 99686

#### COORDINATES

Latitude (North):	60.777700 - 60° 46' 39.7"
Longitude (West):	148.693500 - 148° 41' 36.6"
Universal Transverse Mercator:	Zone 6
UTM X (Meters):	407769.6
UTM Y (Meters):	6739012.0
Elevation:	51 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	N/A
Source:	USGS 7.5 min quad index

### TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

### DATABASES WITH NO MAPPED SITES

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

#### FEDERAL RECORDS

<b>NPL</b> .....	National Priority List
<b>Proposed NPL</b> .....	Proposed National Priority List Sites
<b>Delisted NPL</b> .....	National Priority List Deletions
<b>NPL RECOVERY</b> .....	Federal Superfund Liens
<b>CERCLIS</b> .....	Comprehensive Environmental Response, Compensation, and Liability Information System
<b>CERC-NFRAP</b> .....	CERCLIS No Further Remedial Action Planned
<b>CORRACTS</b> .....	Corrective Action Report
<b>RCRA-TSDF</b> .....	Resource Conservation and Recovery Act Information
<b>RCRA-LQG</b> .....	Resource Conservation and Recovery Act Information



## EXECUTIVE SUMMARY

<b>ERNS</b>	Emergency Response Notification System
<b>HMIRS</b>	Hazardous Materials Information Reporting System
<b>US ENG CONTROLS</b>	Engineering Controls Sites List
<b>US INST CONTROL</b>	Sites with Institutional Controls
<b>DOD</b>	Department of Defense Sites
<b>US BROWNFIELDS</b>	A Listing of Brownfields Sites
<b>CONSENT</b>	Superfund (CERCLA) Consent Decrees
<b>ROD</b>	Records Of Decision
<b>UMTRA</b>	Uranium Mill Tailings Sites
<b>ODI</b>	Open Dump Inventory
<b>TRIS</b>	Toxic Chemical Release Inventory System
<b>TSCA</b>	Toxic Substances Control Act
<b>FTTS</b>	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
<b>SSTS</b>	Section 7 Tracking Systems
<b>ICIS</b>	Integrated Compliance Information System
<b>RADINFO</b>	Radiation Information Database
<b>US CDL</b>	Clandestine Drug Labs
<b>LUCIS</b>	Land Use Control Information System
<b>PADS</b>	PCB Activity Database System
<b>MLTS</b>	Material Licensing Tracking System
<b>MINES</b>	Mines Master Index File
<b>FINDS</b>	Facility Index System/Facility Registry System
<b>RAATS</b>	RCRA Administrative Action Tracking System

### STATE AND LOCAL RECORDS

<b>SWF/LF</b>	Solid Waste Facilities
<b>UST</b>	Underground Storage Tank Database
<b>AST</b>	Regulated Aboveground Storage Tanks
<b>AK Spills</b>	Spills Database
<b>ENG CONTROLS</b>	Engineering Controls Site Listing
<b>Inst Control</b>	Contaminated Sites with Institutional Controls
<b>VCP</b>	Voluntary Cleanup Program sites
<b>DRYCLEANERS</b>	Drycleaner Facility Listing
<b>BROWNFIELDS</b>	Identified and/or Proposed Brownfields Sites
<b>CDL</b>	Illegal Drug Manufacturing Sites
<b>NPDES</b>	Wastewater Discharge Permit Listing
<b>AIRS</b>	AIRS Facility Listing

### TRIBAL RECORDS

<b>INDIAN RESERV</b>	Indian Reservations
<b>INDIAN LUST</b>	Leaking Underground Storage Tanks on Indian Land
<b>INDIAN UST</b>	Underground Storage Tanks on Indian Land

### EDR PROPRIETARY RECORDS

<b>Manufactured Gas Plants</b>	EDR Proprietary Manufactured Gas Plants
--------------------------------	---

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

## EXECUTIVE SUMMARY

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.

### FEDERAL RECORDS

**RCRAInfo:** 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. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). 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. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. 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.

A review of the RCRA-SQG list, as provided by EDR, and dated 06/13/2006 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b><i>ADEC LOCAL RESPONSE PROGRAM EX</i></b>	<b><i>WHITTIER ST NR AK RR FR</i></b>	<b><i>0 - 1/8 W</i></b>	<b><i>1</i></b>	<b><i>6</i></b>

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

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

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
PORT OF WHITTIER		1/8 - 1/4 ESE	2	6

### STATE AND LOCAL RECORDS

**SHWS:** 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 where cleanup will be paid for by potentially responsible parties.

A review of the SHWS list, as provided by EDR, and dated 12/11/2006 has revealed that there is 1 SHWS site within approximately 1 mile of the target property.

## EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b><i>UHRO BARGE SPILL</i></b>	<b><i>BEACH NEAR WHITTIER</i></b>	<b><i>1/2 - 1 W</i></b>	<b><i>4</i></b>	<b><i>8</i></b>

**LUST:** The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Pollution Control & Ecology's LUST Notice Information.

A review of the LUST list, as provided by EDR, and dated 12/13/2006 has revealed that there is 1 LUST site within approximately 0.5 miles of the target property.

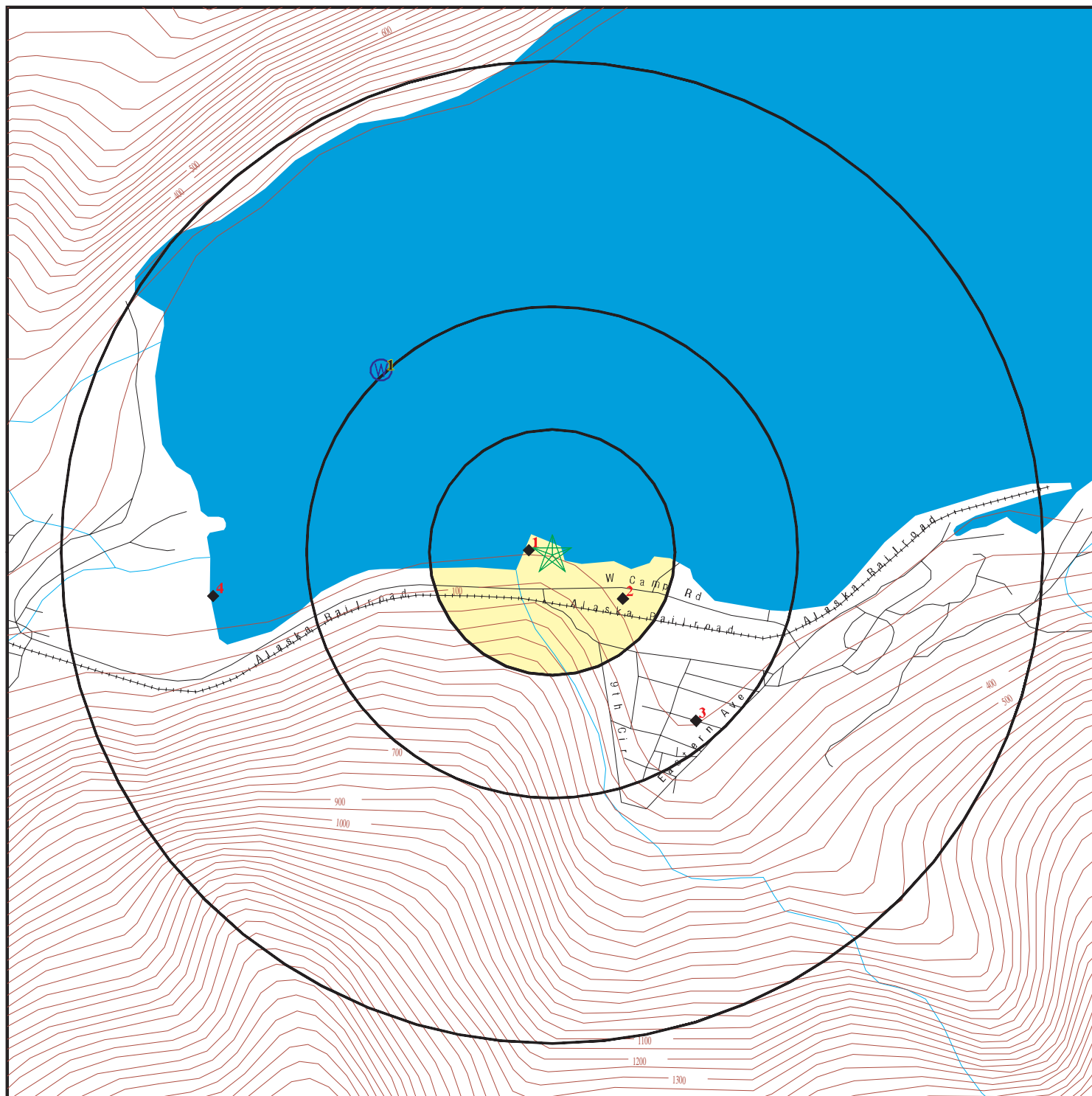
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b><i>BEGICH TOWERS INC</i></b> Facility Status: Open	<b><i>100 KENAI ST</i></b>	<b><i>1/4 - 1/2 SE</i></b>	<b><i>3</i></b>	<b><i>7</i></b>

## EXECUTIVE SUMMARY

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

<u>Site Name</u>	<u>Database(s)</u>
ALYESKA VMT TUG DOCK UST CLOSURE	SHWS, ENG CONTROLS
ALYESKA VMT BERTH 3 BWH SPILL	SHWS, Inst Control, ENG CONTROLS
RAINBOW SERVICE STATION	SHWS, ENG CONTROLS
CITY OF VALDEZ LIFT STATION #1	SHWS, ENG CONTROLS
CITY OF VALDEZ FIRE STATION #4	SHWS, Inst Control, ENG CONTROLS
CITY OF VALDEZ ANIMAL SHELTER UST	SHWS, ENG CONTROLS
ADOT&PF MAINT. STN. THOMPSON PASS	SHWS, ENG CONTROLS
ADOTPF - VALDEZ MAINTENANCE STATIO	LUST
ADOTPF - ERNESTINE MAINTENANCE STA	LUST
BIG WHEEL TIRE ,INC.	LUST, UST
ERNESTINE MAINTENANCE STATION	UST
VALDEZ EQUIPMENT SHOP - STEAM PL	UST
THOMPSON PASS MAINTENANCE. STATION	UST
LIFT STATION #1	UST
ALPETCO REFINERY	RCRA-SQG, FINDS
ALASKA CONSTRUCTORS INC VALDEZ	RCRA-SQG, FINDS
ALASKA DOT & PF VALDEZ	RCRA-SQG, FINDS
RICHARDSON HWY #STP-071-162/67034	RCRA-SQG, FINDS
BERTH E-6 SMALL BOAT HARBOR	ERNS
WHITTIER STORM DRAINS INTO PASSAGE	AK Spills

# OVERVIEW MAP - 1888514.2s



- ★ 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
- Landfill Sites
- Dept. Defense Sites

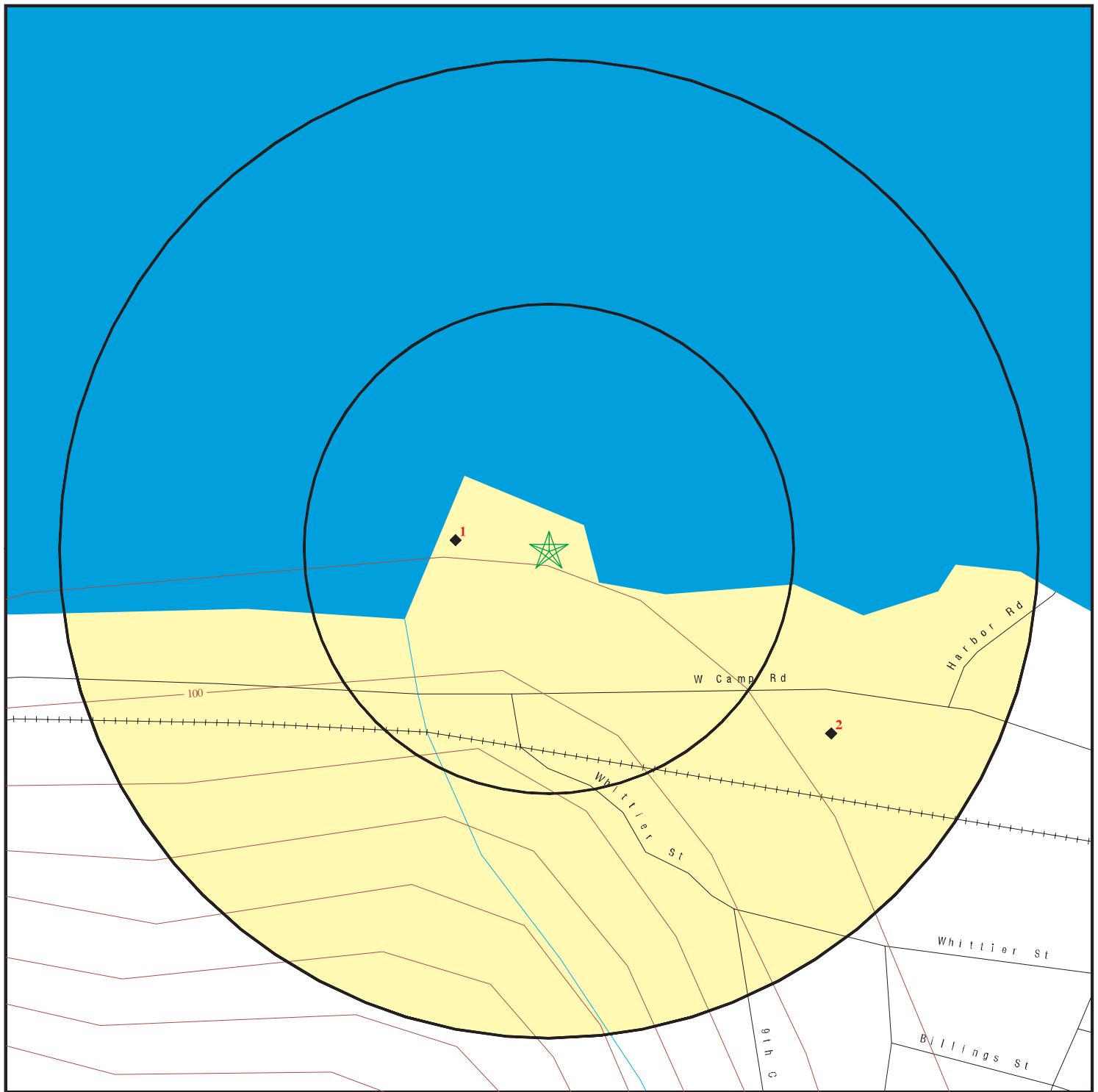
Indian Reservations BIA

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

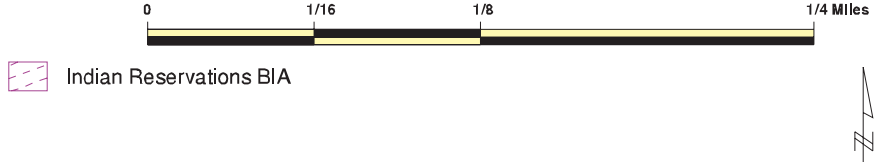
SITE NAME: Whittier Small Boat Harbor  
 ADDRESS: Harbor Road  
 Whittier AK 99686  
 LAT/LONG: 60.7777 / 148.6935

CLIENT: Hart Crowser, Inc.  
 CONTACT: Caryn Orvis  
 INQUIRY #: 1888514.2s  
 DATE: March 27, 2007 5:41 pm

# DETAIL MAP - 1888514.2s



- ★ 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
- 🗑 Landfill Sites
- 🏠 Dept. Defense Sites



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: Whittier Small Boat Harbor  
 ADDRESS: Harbor Road  
 Whittier AK 99686  
 LAT/LONG: 60.7777 / 148.6935

CLIENT: Hart Crowser, Inc.  
 CONTACT: Caryn Orvis  
 INQUIRY #: 1888514.2s  
 DATE: March 27, 2007 5:41 pm

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b><u>FEDERAL RECORDS</u></b>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL RECOVERY	TP		NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	0	0	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRA TSD		0.500	0	0	0	NR	NR	0
RCRA Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRA Sm. Quan. Gen.		0.250	1	0	NR	NR	NR	1
ERNS	TP		NR	NR	NR	NR	NR	0
HMIRS	TP		NR	NR	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	1	0	0	NR	1
US BROWNFIELDS		0.500	0	0	0	NR	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
ODI		0.500	0	0	0	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
<b><u>STATE AND LOCAL RECORDS</u></b>								
State Haz. Waste		1.000	0	0	0	1	NR	1
State Landfill		0.500	0	0	0	NR	NR	0
LUST		0.500	0	0	1	NR	NR	1
UST		0.250	0	0	NR	NR	NR	0
AST		0.250	0	0	NR	NR	NR	0
AK Spills	TP		NR	NR	NR	NR	NR	0
ENG CONTROLS		0.500	0	0	0	NR	NR	0
Inst Control		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
BROWNFIELDS		0.500	0	0	0	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CDL		TP	NR	NR	NR	NR	NR	0
NPDES		TP	NR	NR	NR	NR	NR	0
AIRS		TP	NR	NR	NR	NR	NR	0
<b><u>TRIBAL RECORDS</u></b>								
INDIAN RESERV		1.000	0	0	0	0	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
<b><u>EDR PROPRIETARY RECORDS</u></b>								
Manufactured Gas Plants		1.000	0	0	0	0	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  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**1**  
**West**  
**< 1/8**  
**253 ft.**

**ADEC LOCAL RESPONSE PROGRAM EXXON CLEANU**  
**WHITTIER ST NR AK RR FRONTIER**  
**WHITTIER, AK 99693**

**RCRA-SQG**  
**FINDS**

**1000473429**  
**AKD983069048**

**Relative:**  
**Lower**

RCRAInfo:  
Owner: ADEC LOCAL RESPONSE PROGRAM  
EPA ID: AKD983069048

**Actual:**  
**36 ft.**

Contact: JANIS JACKSON  
(907) 563-1126

Classification: Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site

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

**2**  
**ESE**  
**1/8-1/4**  
**910 ft.**

**PORT OF WHITTIER**  
**WHITTIER, AK**

**FUDS** **1007212786**  
**N/A**

**Relative:**  
**Lower**

FUDS:  
Federal Facility ID: AK9799F9068  
Facility Name: PORT OF WHITTIER  
City: WHITTIER  
State: AK  
EPA Region: 10  
County: VALDEZ-CORDOVA

**Actual:**  
**40 ft.**

Congressional District: 00  
US Army District: Alaska District (POA)  
Fiscal Year: 2005  
Telephone: 907-753-2520  
NPL Status: Not Listed  
Description: The Port of Whittier is located in the City of Whittier, at  
RAB: Not reported  
History: The site was originally acquired for use during World War II  
Current Owner: CITY; PRIVATE; STATE  
CTC: 14773.30  
Current Prog: Not reported  
Future Prog: Not reported  
Latitude: 60.7836111  
Longitude: -148.7002778

**FUDS Description Details:**

The Port of Whittier is located in the City of Whittier, at the head of Passage Canal, a fiord of Prince William Sound in south central Alaska. The Army used this 4,479.18-acre site as a port facility for the movement of supplies to

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

PORT OF WHITTIER (Continued)

EDR ID Number  
EPA ID Number

1007212786

Anchorage during  
World War II. Along with the docks and terminal facilities, two railroad tunnels  
were constructed between Portage and Whittier. This site is primarily in the  
north half of Sections 23 and 24 of Township 8 North, Range 4 East, Seward  
Meridian. The fo  
rmer site is currently owned by multiple parties, including the Alaska Railroad  
corporation, the U.S. Forest Service, the City of Whittier, a commercial real  
estate company, and private owners.

FUDS History Details:

The site was originally acquired for use during World War II by permit of 21  
June 1943 from the Department of the Interior, then relinquished in 1946. A  
portion was then reacquired by the following Public Land Orders: 587 (May 1949),  
1088 (8 March 1  
955), 1113 (5 April 1955), 2349 (24 April 1961), and 2667 (2 May 1962) for  
725.71 acres. Another 1,030.52 acres were obtained by use permit from the Alaska  
Railroad, the U.S. Forest Service, and the Bureau of Land Management. The Army  
expanded the p  
ort during this period, including a powerhouse, petroleum, oil, and lubricant  
tanks, and guns. A 1,000,000-gal. underground storage tank was removed in FY98.  
A remedial investigation and feasibility study was conducted in FY00 concerning  
the pipelin  
es running from the removed tank and the contaminated soil along the pipelines.

3  
SE  
1/4-1/2  
2383 ft.

**BEGICH TOWERS INC**  
**100 KENAI ST**  
**ANCHORAGE, AK 99503**

**LUST** **U003665808**  
**UST** **N/A**

**Relative:**  
**Lower**

LUST:

Facility ID: 3308  
Record Key: 1999210032701  
Owner: Begich Towers Condominium Assn Of Apt Owners Inc  
Facility Status: Open  
Release Date: 12/28/1999  
File ID: 2114.26.002  
Lat/Lon: 60.773344 -148.685201

**Actual:**  
**40 ft.**

Comment: During the removal of one 15,000 gallon diesel underground storage tank on  
September 25, 1999, DRO contamination was encountered with concentrations of  
4,080 mg/kg was encountered. Approximately 300 cubic yards of contaminated soil  
was excavated and treated at Alaska Soil Recycling in Anchorage. Groundwater was  
not encountered. Tank was replaced with an AST. Updated 11-15-06 Alyce Hughey.

UST:

Facility ID: 3308  
Facility Type: Industrial  
Ownere ID: 9291  
Owner Name: Begich Towers Condominium Assn Of Apt Owners Inc  
Owner Address: C/O Pacific RIM Properties 3000 C ST Suite 101  
Owner City,St,Zip: Anchorage, AK 99503  
Tank ID: 1  
**Tank Status: Permanently Out of Use**  
Tack Capacity: 20000  
Tank Product: Diesel  
Installed Date: / /  
Regulated Tank: Yes

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**4**  
**West**  
**1/2-1**  
**3676 ft.**

**UHRO BARGE SPILL**  
**BEACH NEAR WHITTIER**  
**WHITTIER, AK 99693**

**SHWS**  
**ENG CONTROLS**

**S104894391**  
**N/A**

**Relative:**  
**Lower**

SHWS:

**Actual:**  
**24 ft.**

FS Facility Site ID: 65850  
Hazard Id: 1308  
Lat/Long: 60.77305 / -148.68389  
Date Lat Lon Collected: Not reported  
Horizontal Accuracy: Not reported  
Horizontal Accuracy Unit ID: Not reported  
Horizontal Description Code: Not reported  
Horizontal Source Code: Not reported  
Horizontal Datum Code: Not reported  
Horizontal Method Code: I1  
Vertical Method Code: Not reported  
Vertical Datum Code: Not reported  
Vertical Accuracy: Not reported  
Source Scale Code: Not reported  
Verification Code: Not reported  
Federal Identifier: Not reported  
Flag Mobile: 0  
Description: 1991240123401  
Near: No  
Country: USA  
Region DEC: Not reported  
State Senate District: R  
State Representative District: 35  
Point Line Area Code: P  
Meridian Code: S  
Range: 004  
Range Direction Code: E  
Township: 008  
Township Direction: N  
Section: Not reported  
Subdivision: Not reported  
Block: Not reported  
Log: Not reported  
Date Created: 11/14/2005 11:11:04 AM  
Hydrologic Unit: Not reported  
Vertical Measure: Not reported  
Quadrangle Id: Not reported  
Flag Parent: Not reported  
Fs Election District ID: 255  
Comments: Not reported  
Xref Location Id: 1308  
Generic Name: Barge  
Description: UHRO Barge Spill  
Lat/Long: 60.77305 / -148.68389  
Date Collected: Not reported  
Haccuracy: Not reported  
Haccuracy Unit Id: Not reported  
Description Code: Not reported  
Hdatum Code: Not reported  
Hmethod Code: I1  
Hsource Code: Not reported  
Vertical Measure: Not reported  
Vaccuracy: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

UHRO BARGE SPILL (Continued)

EDR ID Number  
EPA ID Number

Database(s)

S104894391

Vdatum Code:	Not reported		
Vmethod Code:	Not reported		
Source Scale Code:	Not reported		
Verification Code:	Not reported		
Comment:	Not reported		
Near:	No		
DEC File #:	CS100.81	Spilldate:	8/22/1991
Region:	24	Categorycode:	Responsible Party Lead
Rp Contact Id:	478	Rp Programcode:	RP Willing and Able
Staff Id:	181	Statuscode:	Closed
Analyte1:	164	Analyte2 Id:	0
Analyte3 Id:	0		
Analyte Id:	Not reported	Analyte Name:	Not reported
Alternate Name:	Not reported	Class:	Not reported
Casrefnbr:	Not reported	CS Action Level:	Not reported
Drinking Water MCL:	Not reported		
Affiliate Contact ID:	1308		
Affiliate Address ID:	1468		
Contact:	Chuck Kim		
Contact Telephone:	9075624468		
Staff ID:	Not reported		
Staff User Name:	Not reported		
Staff Last Name:	Not reported		
Staff Phone:	Not reported		
Staff Extention:	Not reported		
Staff Fax:	Not reported		
Staff Email:	Not reported		
Staff Administrator:	Not reported		
Staff Sectionmanager:	Not reported		
Staff Inactive:	Not reported		
Staff Affiliation:	Not reported		
Problem Cmmnt:	Tanker truck aboard UHRO barge caught it's hoses on deck hardware and hoses were pulled off. 900 - 1500 gallons of diesel oil spilled out into the water and onto the beach.		
Comment:	Not reported		

ENG CONTROLS:

FS facility:	65850
Address2:	NW of Boat Harbor
Hazard id:	1308
Dec File No:	CS100.81
Generic Name:	Barge
Description:	UHRO Barge Spill
Latitude:	60.77305
Longitude:	-148.68389
IC Description ID:	Not reported
IC Desc ID:	Not reported
Other IC Desc:	Not reported
Action Taken:	Not reported
Act Date:	Not reported
Sql Username:	Not reported
IC Description ID:	2107
IC Desc ID:	4
Other IC Desc:	Not reported
IC Description ID:	2108
IC Desc ID:	13
Other IC Desc:	Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

UHRO BARGE SPILL (Continued)

EDR ID Number  
EPA ID Number

Database(s)

S104894391

IC Description ID: 2109  
IC Desc ID: 9  
Other IC Desc: Not reported  
IC Description ID: Not reported  
Detail: Not reported  
IC Description ID: 2107  
Detail2: ADEC must be notified prior to installation of drinking water wells or other groundwater extraction wells on or in the vicinity of this site.  
IC Description ID: 2108  
Detail2: ADEC approval shall be obtained prior to removal and/or disposal of soil or groundwater from this site to an off site location.  
IC Description ID: 2109  
Detail2: If excavation is planned for the area of the former USTs, a plan to address the contamination remaining there shall be submitted to ADEC for review and approval.  
IC Description ID: Not reported  
Reporting Requirements: Not reported  
IC Description ID: Not reported  
Reporting Requirements2: Not reported  
IC Type Info: 1407  
IC Type ID: 1  
IC Other: Not reported  
IC Type ID: Not reported  
Type Description: Not reported  
IC COC Id: 2301  
Analyte ID: 86  
Level ID: 1  
IC Coc Other: Not reported  
IC COC Id: 2302  
Analyte ID: 164  
Level ID: 3  
IC Coc Other: Not reported  
IC COC Id: 2303  
Analyte ID: 175  
Level ID: 1  
IC Coc Other: Not reported  
IC Impacted Media: 1604  
IC COC ID: 1308  
IC Media ID: 1  
Event ID: 20  
Hazard ID: Not reported  
Groundwater Use: No  
Offsite Groundwater: Unknown  
Offsite Soil: No  
Req Compliance: Yes  
Future Groundwater Use: No

## ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
JUNEAU	U003140991	ERNESTINE MAINTENANCE STATION	MILE 62 RICHARDSON HWY	99686	UST
JUNEAU	U003141006	VALDEZ EQUIPMENT SHOP - STEAM PL	MILE .5 RICHARDSON HWY	99686	UST
JUNEAU	U003765388	THOMPSON PASS MAINTENANCE. STATION	MILE 27 RICHARDSON HWY	99686	UST
VALDEZ	S105246767	ADOTPF - VALDEZ MAINTENANCE STATIO	MI 0.5 RICHARDSON HWY	99686	LUST
VALDEZ	S105246763	ADOTPF - ERNESTINE MAINTENANCE STA	MILE 62 RICHARDSON HWY ERNESTI	99686	LUST
VALDEZ	S105555740	RAINBOW SERVICE STATION	MILE 4 RICHARDSON HIGHWAY	99686	SHWS, ENG CONTROLS
VALDEZ	S106196221	CITY OF VALDEZ LIFT STATION #1	MILE 3 RICHARDSON HIGHWAY	99686	SHWS, ENG CONTROLS
VALDEZ	S106802326	CITY OF VALDEZ FIRE STATION #4	MILE 10 RICHARDSON HWY.	99686	SHWS, Inst Control, ENG CONTROLS
VALDEZ	S107029799	CITY OF VALDEZ ANIMAL SHELTER UST	MILE 3 RICHARDSON HWY.	99686	SHWS, ENG CONTROLS
VALDEZ	S107029806	ADOT&PF MAINT. STN. THOMPSON PASS	MILE 27 RICHARDSON HWY.	99686	SHWS, ENG CONTROLS
VALDEZ	U003141354	BIG WHEEL TIRE ,INC.	MILE 1 1/2 RICHARDSON HWY	99686	LUST, UST
VALDEZ	1000223715	ALPETCO REFINERY	RICHARDSON HWY 3 MI SW OF CY	99686	RCRA-SQG, FINDS
VALDEZ	1000382646	ALASKA CONSTRUCTORS INC VALDEZ	RICHARDSON HWY	99686	RCRA-SQG, FINDS
VALDEZ	1000856086	ALASKA DOT & PF VALDEZ	RICHARDSON HWY MI .5	99686	RCRA-SQG, FINDS
VALDEZ	1004670322	RICHARDSON HWY #STP-071-162/67034	RICHARDSON HWY MILE 14+026	99686	RCRA-SQG, FINDS
VALDEZ	U003839330	LIFT STATION #1	RICHARDSON HWY	99686	UST
WHITTIER	S104165963	WHITTIER STORM DRAINS INTO PASSAGE	WHITTIER STORM DRAINS INTO PAS		AK Spills
VALDEZ	S107029797	ALYESKA VMT TUG DOCK UST CLOSURE	ALYESKA VMT	99686	SHWS, ENG CONTROLS
VALDEZ	98457612	BERTH E-6 SMALL BOAT HARBOR	BERTH E-6 SMALL BOAT HARBOR	99686	ERNS
VALDEZ	S105159490	ALYESKA VMT BERTH 3 BWH SPILL	BERTH 3	99686	SHWS, Inst Control, ENG CONTROLS

# 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.

## **FEDERAL RECORDS**

### **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: 01/25/2007	Source: EPA
Date Data Arrived at EDR: 01/31/2007	Telephone: N/A
Date Made Active in Reports: 03/12/2007	Last EDR Contact: 01/31/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 04/30/2007
	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: 09/27/2006	Source: EPA
Date Data Arrived at EDR: 11/01/2006	Telephone: N/A
Date Made Active in Reports: 11/22/2006	Last EDR Contact: 02/23/2007
Number of Days to Update: 21	Next Scheduled EDR Contact: 04/30/2007
	Data Release Frequency: Quarterly

### **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: 12/28/2006	Source: EPA
Date Data Arrived at EDR: 01/31/2007	Telephone: N/A
Date Made Active in Reports: 03/12/2007	Last EDR Contact: 01/31/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 04/30/2007
	Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **NPL RECOVERY:** 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: 03/26/2007
Number of Days to Update: 56	Next Scheduled EDR Contact: 05/21/2007
	Data Release Frequency: No Update Planned

### **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: 11/28/2006	Source: EPA
Date Data Arrived at EDR: 12/19/2006	Telephone: 703-603-8960
Date Made Active in Reports: 01/29/2007	Last EDR Contact: 03/21/2007
Number of Days to Update: 41	Next Scheduled EDR Contact: 06/18/2007
	Data Release Frequency: Quarterly

### **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: 12/20/2006	Source: EPA
Date Data Arrived at EDR: 01/29/2007	Telephone: 703-603-8960
Date Made Active in Reports: 02/27/2007	Last EDR Contact: 03/19/2007
Number of Days to Update: 29	Next Scheduled EDR Contact: 06/18/2007
	Data Release Frequency: Quarterly

### **CORRACTS:** Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 01/04/2007	Source: EPA
Date Data Arrived at EDR: 01/18/2007	Telephone: 800-424-9346
Date Made Active in Reports: 02/27/2007	Last EDR Contact: 03/05/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 06/04/2007
	Data Release Frequency: Quarterly

### **RCRA:** Resource Conservation and Recovery Act Information



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). 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. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site 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: 06/13/2006	Source: EPA
Date Data Arrived at EDR: 06/28/2006	Telephone: 800-424-9346
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 02/27/2007
Number of Days to Update: 56	Next Scheduled EDR Contact: 04/16/2007
	Data Release Frequency: Quarterly

### **ERNS:** Emergency Response Notification System

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

Date of Government Version: 12/31/2006	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/24/2007	Telephone: 202-260-2342
Date Made Active in Reports: 03/12/2007	Last EDR Contact: 01/24/2007
Number of Days to Update: 47	Next Scheduled EDR Contact: 04/23/2007
	Data Release Frequency: Annually

### **HMIRS:** Hazardous Materials Information Reporting System

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

Date of Government Version: 11/28/2006	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 01/17/2007	Telephone: 202-366-4555
Date Made Active in Reports: 02/27/2007	Last EDR Contact: 01/17/2007
Number of Days to Update: 41	Next Scheduled EDR Contact: 04/16/2007
	Data Release Frequency: Annually

### **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: 10/18/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/14/2006	Telephone: 703-603-8905
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 01/02/2007
Number of Days to Update: 28	Next Scheduled EDR Contact: 04/02/2007
	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: 01/24/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/31/2007	Telephone: 703-603-8905
Date Made Active in Reports: 02/27/2007	Last EDR Contact: 01/02/2007
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/02/2007
	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: 703-692-8801
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 02/08/2007
Number of Days to Update: 62	Next Scheduled EDR Contact: 05/07/2007
	Data Release Frequency: Semi-Annually

### **FUDS:** Formerly Used Defense Sites

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

Date of Government Version: 12/31/2005	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 09/20/2006	Telephone: 202-528-4285
Date Made Active in Reports: 11/22/2006	Last EDR Contact: 01/02/2007
Number of Days to Update: 63	Next Scheduled EDR Contact: 04/02/2007
	Data Release Frequency: Varies

### **US BROWNFIELDS:** A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 10/17/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/20/2006	Telephone: 202-566-2777
Date Made Active in Reports: 12/13/2006	Last EDR Contact: 03/12/2007
Number of Days to Update: 54	Next Scheduled EDR Contact: 06/11/2007
	Data Release Frequency: Semi-Annually

### **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: 12/14/2004	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 02/15/2005	Telephone: Varies
Date Made Active in Reports: 04/25/2005	Last EDR Contact: 02/06/2007
Number of Days to Update: 69	Next Scheduled EDR Contact: 04/23/2007
	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: 01/10/2007	Source: EPA
Date Data Arrived at EDR: 01/24/2007	Telephone: 703-416-0223
Date Made Active in Reports: 02/27/2007	Last EDR Contact: 03/27/2007
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/02/2007
	Data Release Frequency: Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **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: 12/31/2005  
Date Data Arrived at EDR: 11/08/2006  
Date Made Active in Reports: 01/29/2007  
Number of Days to Update: 82

Source: Department of Energy  
Telephone: 505-845-0011  
Last EDR Contact: 03/20/2007  
Next Scheduled EDR Contact: 06/18/2007  
Data Release Frequency: Varies

### **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

### **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: 12/31/2004  
Date Data Arrived at EDR: 06/22/2006  
Date Made Active in Reports: 08/23/2006  
Number of Days to Update: 62

Source: EPA  
Telephone: 202-566-0250  
Last EDR Contact: 03/20/2007  
Next Scheduled EDR Contact: 06/18/2007  
Data Release Frequency: Annually

### **TSCA:** Toxic Substances Control Act

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

Date of Government Version: 12/31/2002  
Date Data Arrived at EDR: 04/14/2006  
Date Made Active in Reports: 05/30/2006  
Number of Days to Update: 46

Source: EPA  
Telephone: 202-260-5521  
Last EDR Contact: 01/15/2007  
Next Scheduled EDR Contact: 04/16/2007  
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: 10/19/2006  
Date Data Arrived at EDR: 10/27/2006  
Date Made Active in Reports: 11/22/2006  
Number of Days to Update: 26

Source: EPA/Office of Prevention, Pesticides and Toxic Substances  
Telephone: 202-566-1667  
Last EDR Contact: 03/19/2007  
Next Scheduled EDR Contact: 06/18/2007  
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: 10/19/2006  
Date Data Arrived at EDR: 10/27/2006  
Date Made Active in Reports: 11/22/2006  
Number of Days to Update: 26

Source: EPA  
Telephone: 202-566-1667  
Last EDR Contact: 03/19/2007  
Next Scheduled EDR Contact: 06/18/2007  
Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **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: 12/31/2004	Source: EPA
Date Data Arrived at EDR: 05/11/2006	Telephone: 202-564-4203
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 01/29/2007
Number of Days to Update: 11	Next Scheduled EDR Contact: 04/16/2007
	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: 02/13/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/21/2006	Telephone: 202-564-5088
Date Made Active in Reports: 05/11/2006	Last EDR Contact: 01/15/2007
Number of Days to Update: 20	Next Scheduled EDR Contact: 04/16/2007
	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: 01/30/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/31/2007	Telephone: 202-343-9775
Date Made Active in Reports: 02/27/2007	Last EDR Contact: 01/31/2007
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/30/2007
	Data Release Frequency: Quarterly

### **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: 12/01/2006	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 01/08/2007	Telephone: 202-307-1000
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 01/08/2007
Number of Days to Update: 3	Next Scheduled EDR Contact: 03/26/2007
	Data Release Frequency: Quarterly

### **LUCIS:** Land Use Control Information System

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

Date of Government Version: 12/09/2005	Source: Department of the Navy
Date Data Arrived at EDR: 12/11/2006	Telephone: 843-820-7326
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 03/26/2007
Number of Days to Update: 31	Next Scheduled EDR Contact: 06/11/2007
	Data Release Frequency: Varies

### **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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/17/2006  
Date Data Arrived at EDR: 11/29/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 43

Source: EPA  
Telephone: 202-566-0500  
Last EDR Contact: 03/02/2007  
Next Scheduled EDR Contact: 05/07/2007  
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: 01/11/2007  
Date Data Arrived at EDR: 01/26/2007  
Date Made Active in Reports: 02/27/2007  
Number of Days to Update: 32

Source: Nuclear Regulatory Commission  
Telephone: 301-415-7169  
Last EDR Contact: 01/02/2007  
Next Scheduled EDR Contact: 04/02/2007  
Data Release Frequency: Quarterly

### **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: 11/15/2006  
Date Data Arrived at EDR: 12/28/2006  
Date Made Active in Reports: 01/29/2007  
Number of Days to Update: 32

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 12/28/2006  
Next Scheduled EDR Contact: 03/26/2007  
Data Release Frequency: Semi-Annually

### **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: 01/18/2007  
Date Data Arrived at EDR: 01/23/2007  
Date Made Active in Reports: 02/27/2007  
Number of Days to Update: 35

Source: EPA  
Telephone: N/A  
Last EDR Contact: 01/02/2007  
Next Scheduled EDR Contact: 04/02/2007  
Data Release Frequency: Quarterly

### **RAATS:** RCRA Administrative Action Tracking System

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

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

Source: EPA  
Telephone: 202-564-4104  
Last EDR Contact: 03/05/2007  
Next Scheduled EDR Contact: 06/04/2007  
Data Release Frequency: No Update Planned

### **BRS:** Biennial Reporting System

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2003  
Date Data Arrived at EDR: 06/17/2005  
Date Made Active in Reports: 08/04/2005  
Number of Days to Update: 48

Source: EPA/NTIS  
Telephone: 800-424-9346  
Last EDR Contact: 03/06/2007  
Next Scheduled EDR Contact: 06/11/2007  
Data Release Frequency: Biennially

## **STATE AND LOCAL RECORDS**

### **SHWS:** Contaminated Sites Database

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: 12/11/2006  
Date Data Arrived at EDR: 12/20/2006  
Date Made Active in Reports: 01/17/2007  
Number of Days to Update: 28

Source: Department of Environmental Conservation  
Telephone: 907-269-7546  
Last EDR Contact: 03/12/2007  
Next Scheduled EDR Contact: 06/11/2007  
Data Release Frequency: Semi-Annually

### **SWF/LF:** Solid Waste Facilities

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: 01/19/2007  
Date Data Arrived at EDR: 01/19/2007  
Date Made Active in Reports: 02/22/2007  
Number of Days to Update: 34

Source: Department of Environmental Conservation  
Telephone: 907-269-7632  
Last EDR Contact: 01/19/2007  
Next Scheduled EDR Contact: 04/23/2007  
Data Release Frequency: Semi-Annually

### **LUST:** Leaking Underground Storage Tank Database

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: 12/13/2006  
Date Data Arrived at EDR: 12/13/2006  
Date Made Active in Reports: 01/17/2007  
Number of Days to Update: 35

Source: Department of Environmental Conservation  
Telephone: 907-465-5301  
Last EDR Contact: 03/14/2007  
Next Scheduled EDR Contact: 06/11/2007  
Data Release Frequency: Semi-Annually

### **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: 12/13/2006  
Date Data Arrived at EDR: 12/13/2006  
Date Made Active in Reports: 01/17/2007  
Number of Days to Update: 35

Source: Department of Environmental Conservation  
Telephone: 907-269-7504  
Last EDR Contact: 03/14/2007  
Next Scheduled EDR Contact: 06/11/2007  
Data Release Frequency: Semi-Annually

### **AST:** Regulated Aboveground Storage Tanks

The list covers "regulated" facilities with storage capacities above 10,000 barrels (or 5,000 barrels of crude).

Date of Government Version: 01/05/2005  
Date Data Arrived at EDR: 01/06/2005  
Date Made Active in Reports: 02/02/2005  
Number of Days to Update: 27

Source: Department of Environmental Conservation  
Telephone: 907-465-5231  
Last EDR Contact: 03/26/2007  
Next Scheduled EDR Contact: 06/11/2007  
Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **SPILLS:** Spills Database

Oil and hazardous substance releases to be reported to the Department of Environmental Conservation.

Date of Government Version: 12/31/2006  
Date Data Arrived at EDR: 01/29/2007  
Date Made Active in Reports: 02/22/2007  
Number of Days to Update: 24

Source: Department of Environmental Conservation  
Telephone: 907-465-5242  
Last EDR Contact: 01/29/2007  
Next Scheduled EDR Contact: 04/30/2007  
Data Release Frequency: Semi-Annually

### **ENG CONTROLS:** Engineering Controls Site Listing

A listing of sites with engineering controls in place included in the Contaminated Sites.

Date of Government Version: 12/11/2006  
Date Data Arrived at EDR: 01/19/2007  
Date Made Active in Reports: 02/22/2007  
Number of Days to Update: 34

Source: Department of Environmental Conservation  
Telephone: 907-465-5301  
Last EDR Contact: 03/12/2007  
Next Scheduled EDR Contact: 06/11/2007  
Data Release Frequency: Quarterly

### **Inst Control:** Contaminated Sites with Institutional Controls

Contaminated sites that have institutional controls.

Date of Government Version: 12/11/2006  
Date Data Arrived at EDR: 12/20/2006  
Date Made Active in Reports: 01/17/2007  
Number of Days to Update: 28

Source: Department of Environmental Conservation  
Telephone: 907-269-3063  
Last EDR Contact: 03/12/2007  
Next Scheduled EDR Contact: 06/11/2007  
Data Release Frequency: Semi-Annually

### **VCP:** Voluntary Cleanup Program sites

Sites involved in the Voluntary Cleanup Program.

Date of Government Version: 12/11/2006  
Date Data Arrived at EDR: 12/11/2006  
Date Made Active in Reports: 12/21/2006  
Number of Days to Update: 10

Source: Department of Environmental Conservation  
Telephone: 907-451-2182  
Last EDR Contact: 03/12/2007  
Next Scheduled EDR Contact: 06/11/2007  
Data Release Frequency: Varies

### **DRYCLEANERS:** Drycleaner Facility Listing

A listing of drycleaning facilities in Alaska.

Date of Government Version: 02/15/2006  
Date Data Arrived at EDR: 02/16/2006  
Date Made Active in Reports: 03/15/2006  
Number of Days to Update: 27

Source: Department of Environmental Conservation  
Telephone: 907-269-7577  
Last EDR Contact: 01/22/2007  
Next Scheduled EDR Contact: 04/23/2007  
Data Release Frequency: No Update Planned

### **BROWNFIELDS:** Identified and/or Proposed Brownfields Sites

Brownfield properties are defined by U.S Environmental Protection Agency (EPA) as "real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contamination." DEC is developing resources to assist eligible entities in Alaska in applying for EPA brownfields grants. The program also will provide technical assistance and perform some site assessments. The purpose of these assessments is to assist local redevelopment efforts on previously contaminated properties that are vacant or underused.

Date of Government Version: 08/28/2006  
Date Data Arrived at EDR: 10/09/2006  
Date Made Active in Reports: 10/19/2006  
Number of Days to Update: 10

Source: Department of Environmental Conservation  
Telephone: 907-451-2166  
Last EDR Contact: 03/14/2007  
Next Scheduled EDR Contact: 06/11/2007  
Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **CDL:** Illegal Drug Manufacturing Sites

A list of properties that have been determined to be illegal drug manufacturing sites.

Date of Government Version: 10/16/2006  
Date Data Arrived at EDR: 12/11/2006  
Date Made Active in Reports: 12/21/2006  
Number of Days to Update: 10

Source: Department of Environmental Conservation  
Telephone: 907-269-7543  
Last EDR Contact: 03/14/2007  
Next Scheduled EDR Contact: 06/11/2007  
Data Release Frequency: Varies

### **NPDES:** Wastewater Discharge Permit Listing

A listing of permitted wastewater facilities.

Date of Government Version: 11/24/2006  
Date Data Arrived at EDR: 11/27/2006  
Date Made Active in Reports: 12/21/2006  
Number of Days to Update: 24

Source: Department of Environmental Conservation  
Telephone: 907-465-5480  
Last EDR Contact: 03/16/2007  
Next Scheduled EDR Contact: 04/16/2007  
Data Release Frequency: Varies

### **AIRS:** AIRS Facility Listing

A listing of permitted airs facilities.

Date of Government Version: 02/06/2007  
Date Data Arrived at EDR: 02/06/2007  
Date Made Active in Reports: 03/14/2007  
Number of Days to Update: 36

Source: Department of Environmental Conservation  
Telephone: 907-451-2103  
Last EDR Contact: 02/05/2007  
Next Scheduled EDR Contact: 05/07/2007  
Data Release Frequency: Varies

## **TRIBAL RECORDS**

### **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: 02/06/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 339

Source: USGS  
Telephone: 202-208-3710  
Last EDR Contact: 02/08/2007  
Next Scheduled EDR Contact: 05/07/2007  
Data Release Frequency: Semi-Annually

### **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: 12/01/2006  
Date Data Arrived at EDR: 12/01/2006  
Date Made Active in Reports: 01/29/2007  
Number of Days to Update: 59

Source: EPA Region 1  
Telephone: 617-918-1313  
Last EDR Contact: 02/19/2007  
Next Scheduled EDR Contact: 05/21/2007  
Data Release Frequency: Varies

### **INDIAN LUST R6:** Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 01/04/2005  
Date Data Arrived at EDR: 01/21/2005  
Date Made Active in Reports: 02/28/2005  
Number of Days to Update: 38

Source: EPA Region 6  
Telephone: 214-665-6597  
Last EDR Contact: 02/19/2007  
Next Scheduled EDR Contact: 05/21/2007  
Data Release Frequency: Varies

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

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

Date of Government Version: 08/24/2006  
Date Data Arrived at EDR: 09/11/2006  
Date Made Active in Reports: 11/08/2006  
Number of Days to Update: 58

Source: EPA Region 4  
Telephone: 404-562-8677  
Last EDR Contact: 02/19/2007  
Next Scheduled EDR Contact: 05/21/2007  
Data Release Frequency: Semi-Annually



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: 11/30/2006	Source: EPA Region 8
Date Data Arrived at EDR: 12/08/2006	Telephone: 303-312-6271
Date Made Active in Reports: 01/29/2007	Last EDR Contact: 02/19/2007
Number of Days to Update: 52	Next Scheduled EDR Contact: 05/21/2007
	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: 11/21/2006	Source: EPA Region 10
Date Data Arrived at EDR: 12/08/2006	Telephone: 206-553-2857
Date Made Active in Reports: 01/29/2007	Last EDR Contact: 02/19/2007
Number of Days to Update: 52	Next Scheduled EDR Contact: 02/21/2007
	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: 12/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/19/2006	Telephone: 415-972-3372
Date Made Active in Reports: 01/29/2007	Last EDR Contact: 02/19/2007
Number of Days to Update: 41	Next Scheduled EDR Contact: 05/21/2007
	Data Release Frequency: Quarterly

### INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 09/06/2006	Source: EPA Region 7
Date Data Arrived at EDR: 10/04/2006	Telephone: 913-551-7003
Date Made Active in Reports: 11/08/2006	Last EDR Contact: 02/19/2007
Number of Days to Update: 35	Next Scheduled EDR Contact: 05/21/2007
	Data Release Frequency: Varies

### INDIAN UST R4: Underground Storage Tanks on Indian Land

Date of Government Version: 08/24/2006	Source: EPA Region 4
Date Data Arrived at EDR: 09/11/2006	Telephone: 404-562-9424
Date Made Active in Reports: 11/08/2006	Last EDR Contact: 02/19/2007
Number of Days to Update: 58	Next Scheduled EDR Contact: 05/21/2007
	Data Release Frequency: Semi-Annually

### INDIAN UST R7: Underground Storage Tanks on Indian Land

Date of Government Version: 09/06/2006	Source: EPA Region 7
Date Data Arrived at EDR: 10/04/2006	Telephone: 913-551-7003
Date Made Active in Reports: 11/08/2006	Last EDR Contact: 02/19/2007
Number of Days to Update: 35	Next Scheduled EDR Contact: 05/21/2007
	Data Release Frequency: Varies

### INDIAN UST R8: Underground Storage Tanks on Indian Land

Date of Government Version: 11/30/2006	Source: EPA Region 8
Date Data Arrived at EDR: 12/08/2006	Telephone: 303-312-6137
Date Made Active in Reports: 01/29/2007	Last EDR Contact: 02/19/2007
Number of Days to Update: 52	Next Scheduled EDR Contact: 05/21/2007
	Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### INDIAN UST R5: Underground Storage Tanks on Indian Land

Date of Government Version: 12/02/2004	Source: EPA Region 5
Date Data Arrived at EDR: 12/29/2004	Telephone: 312-886-6136
Date Made Active in Reports: 02/04/2005	Last EDR Contact: 02/19/2007
Number of Days to Update: 37	Next Scheduled EDR Contact: 05/21/2007
	Data Release Frequency: Varies

### INDIAN UST R10: Underground Storage Tanks on Indian Land

Date of Government Version: 11/21/2006	Source: EPA Region 10
Date Data Arrived at EDR: 12/08/2006	Telephone: 206-553-2857
Date Made Active in Reports: 01/29/2007	Last EDR Contact: 02/19/2007
Number of Days to Update: 52	Next Scheduled EDR Contact: 05/21/2007
	Data Release Frequency: Quarterly

### INDIAN UST R1: Underground Storage Tanks on Indian Land

A listing of underground storage tank locations on Indian Land.

Date of Government Version: 12/01/2006	Source: EPA, Region 1
Date Data Arrived at EDR: 12/01/2006	Telephone: 617-918-1313
Date Made Active in Reports: 01/29/2007	Last EDR Contact: 02/19/2007
Number of Days to Update: 59	Next Scheduled EDR Contact: 05/21/2007
	Data Release Frequency: Varies

### INDIAN UST R6: Underground Storage Tanks on Indian Land

Date of Government Version: 01/11/2007	Source: EPA Region 6
Date Data Arrived at EDR: 01/12/2007	Telephone: 214-665-7591
Date Made Active in Reports: 01/29/2007	Last EDR Contact: 02/19/2007
Number of Days to Update: 17	Next Scheduled EDR Contact: 05/21/2007
	Data Release Frequency: Semi-Annually

### INDIAN UST R9: Underground Storage Tanks on Indian Land

Date of Government Version: 12/19/2006	Source: EPA Region 9
Date Data Arrived at EDR: 12/19/2006	Telephone: 415-972-3368
Date Made Active in Reports: 01/29/2007	Last EDR Contact: 02/19/2007
Number of Days to Update: 41	Next Scheduled EDR Contact: 05/21/2007
	Data Release Frequency: Quarterly

### EDR PROPRIETARY RECORDS

#### Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

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

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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.

### **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: 10/26/2006

Date Data Arrived at EDR: 11/29/2006

Date Made Active in Reports: 01/05/2007

Number of Days to Update: 37

Source: Department of Environmental Conservation

Telephone: 518-402-8651

Last EDR Contact: 03/02/2007

Next Scheduled EDR Contact: 05/28/2007

Data Release Frequency: Annually

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

### **Electric Power Transmission Line Data**

Source: PennWell Corporation

Telephone: (800) 823-6277

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**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: Child Care Facilities Database**

Source: Department of Education & Early Development

Telephone: 907-465-2800

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

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

**State Wetlands Data: Wetlands Inventory Data**

Source: Department of Fish & Game  
Telephone: 907-465-4100

### STREET AND ADDRESS INFORMATION

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

### **TARGET PROPERTY ADDRESS**

WHITTIER SMALL BOAT HARBOR  
HARBOR ROAD  
WHITTIER, AK 99686

### **TARGET PROPERTY COORDINATES**

Latitude (North):	60.77770 - 60° 46' 39.7"
Longitude (West):	148.6935 - 148° 41' 36.6"
Universal Transverse Mercator:	Zone 6
UTM X (Meters):	407769.6
UTM Y (Meters):	6739012.0
Elevation:	51 ft. above sea level

### **USGS TOPOGRAPHIC MAP**

Target Property:	N/A
Source:	USGS 7.5 min quad index

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

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

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

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

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### GROUNDWATER FLOW DIRECTION INFORMATION

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

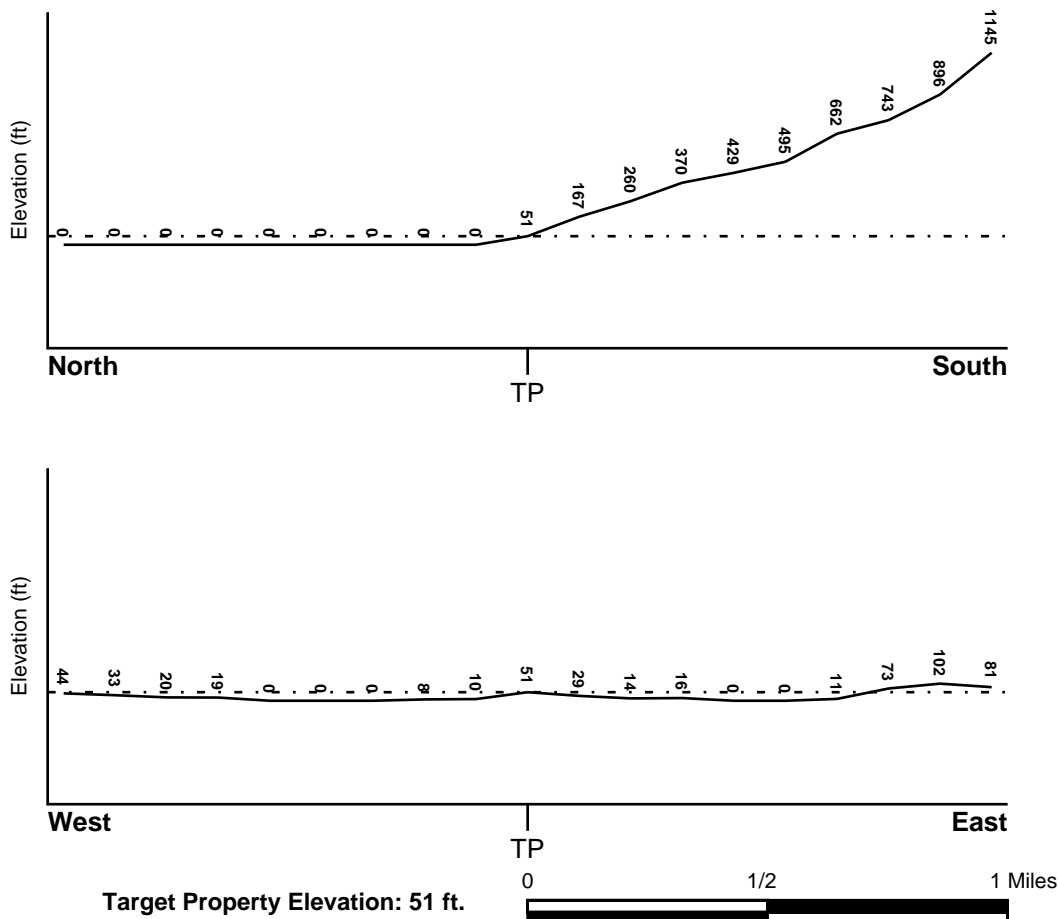
## TOPOGRAPHIC INFORMATION

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

## TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General North

## 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>	<u>FEMA Flood Electronic Data</u>
VALDEZ_CORDOVA, AK	Not Available

Flood Plain Panel at Target Property: Not Reported

Additional Panels in search area: Not Reported

### NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
Not Reported	N

### 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.

### 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: -  
System: -  
Series: -  
Code: N/A (decoded above as Era, System & Series)

#### GEOLOGIC AGE IDENTIFICATION

Category: -

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

### DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

Soil Component Name: TYPIC HUMICRYODS

Soil Surface Texture: very gravelly - silt loam

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

Soil Drainage Class: Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches



## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	3 inches	very gravelly - silt 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: 2.00 Min: 0.60	Max: 0.00 Min: 0.00
2	3 inches	8 inches	gravelly - sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 2.00 Min: 0.60	Max: 5.50 Min: 3.60
3	8 inches	22 inches	very gravelly - coarse sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 5.50 Min: 4.50
4	22 inches	60 inches	very cobbly - sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 5.50 Min: 5.10

### OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: peat  
gravelly - silt loam  
silt loam

Surficial Soil Types: peat  
gravelly - silt loam  
silt loam

Shallow Soil Types: gravelly - silt loam  
very gravelly - silt loam  
silt loam

Deeper Soil Types: very stony - silt loam  
very gravelly - sandy loam  
extremely gravelly - silt loam  
hemic material

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

unweathered bedrock  
stratified  
sand  
mucky-peat

### 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

### FEDERAL USGS WELL INFORMATION

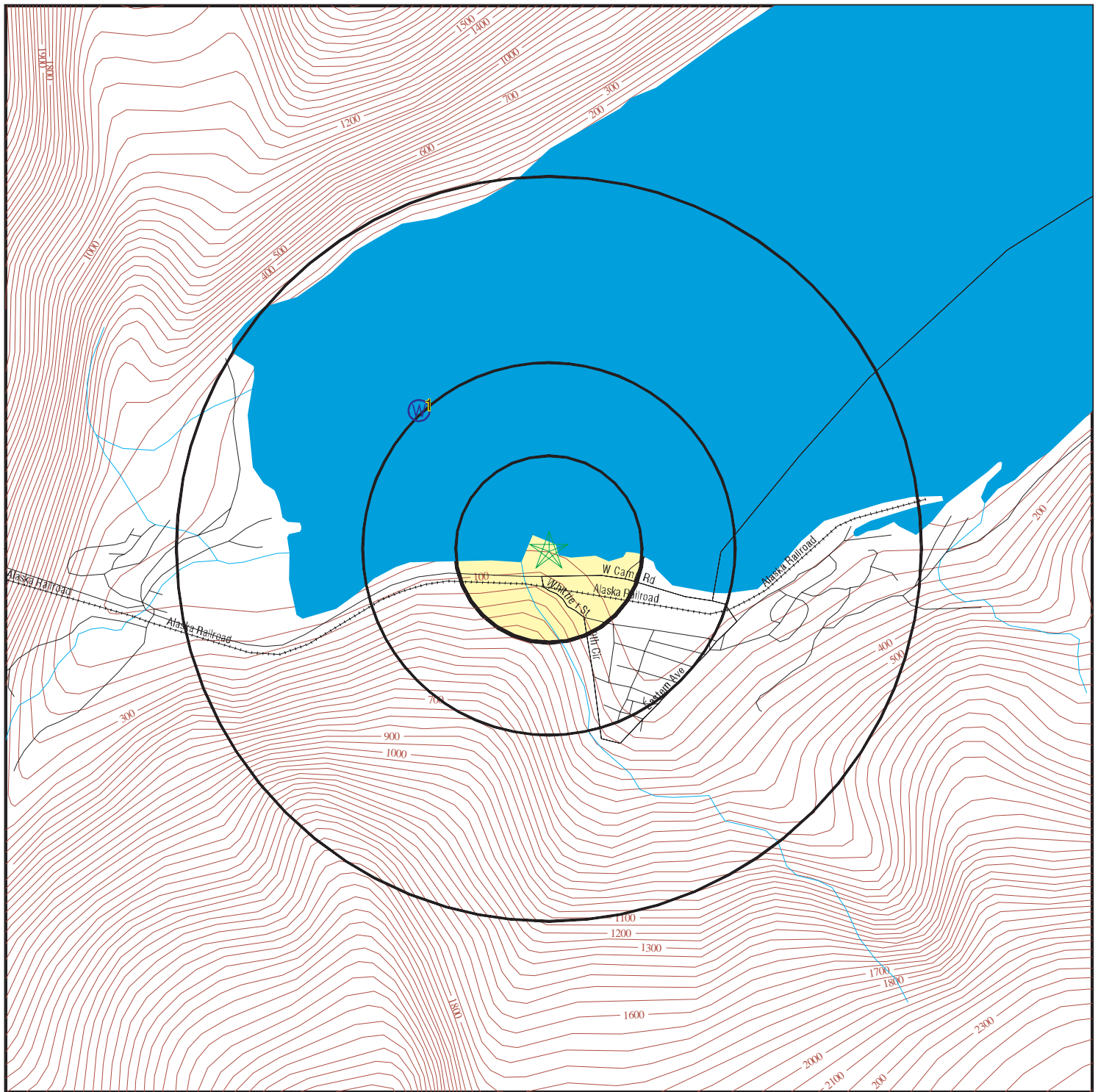
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS2028738	1/2 - 1 Mile NW

### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

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

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

# PHYSICAL SETTING SOURCE MAP - 1888514.2s



- 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



SITE NAME: Whittier Small Boat Harbor  
 ADDRESS: Harbor Road  
 Whittier AK 99686  
 LAT/LONG: 60.7777 / 148.6935

CLIENT: Hart Crowser, Inc.  
 CONTACT: Caryn Orvis  
 INQUIRY #: 1888514.2s  
 DATE: March 27, 2007 5:41 pm

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database EDR ID Number

**1**  
**NW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS USGS2028738**

Agency cd:	USGS	Site no:	604702148420401
Site name:	SA00800415DAAB1 002		
Latitude:	604702	Dec lat:	60.78331793
Longitude:	1484204	Coor meth:	M
Dec lon:	-148.70324222	Latlong datum:	NAD27
Coor accr:	M	District:	02
Dec latlong datum:	NAD83	County:	261
State:	02	Land net:	NENESES15 T008N R004E S
Country:	US	Map scale:	63360
Location map:	SEWARD D-5		
Altitude:	16.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	19020202		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	AKST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	15.0	Hole depth:	15.0
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

State Database: AK Radon

### Radon Test Results

City	Zip	Total Sites	<0.5 pCi/L	0.5-2.0	2.1-4.0	4.1-10	10-20	>20 pCi/L
Valdez	99686	21	9	3	7	2	0	0

Federal EPA Radon Zone for VALDEZ-CORDOVA 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: 99686

Number of sites tested: 14

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.579 pCi/L	93%	7%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	2.150 pCi/L	83%	17%	0%

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

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

Source: United States Geologic Survey

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

## HYDROLOGIC INFORMATION

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

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

### **State Wetlands Data: Wetlands Inventory Data**

Source: Department of Fish & Game

Telephone: 907-465-4100

## 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.

## OTHER STATE DATABASE INFORMATION

### RADON

#### **State Database: AK Radon**

Source: University of Alaska Fairbanks

Telephone: 907-474-7201

Radon Information

#### **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

#### **Epiceenters:** World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

## STREET AND ADDRESS INFORMATION

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# **EDR Historical Topographic Map Report**

**Whittier Small Boat Harbor  
Harbor Road  
Whittier, AK 99686**

**Inquiry Number: 1888514.4**

**March 28, 2007**



**EDR<sup>®</sup>** Environmental  
Data Resources Inc

## **The Standard in Environmental Risk Management Information**

440 Wheelers Farms Rd  
Milford, Connecticut 06461

### **Nationwide Customer Service**

Telephone: 1-800-352-0050  
Fax: 1-800-231-6802  
Internet: [www.edrnet.com](http://www.edrnet.com)



# EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

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

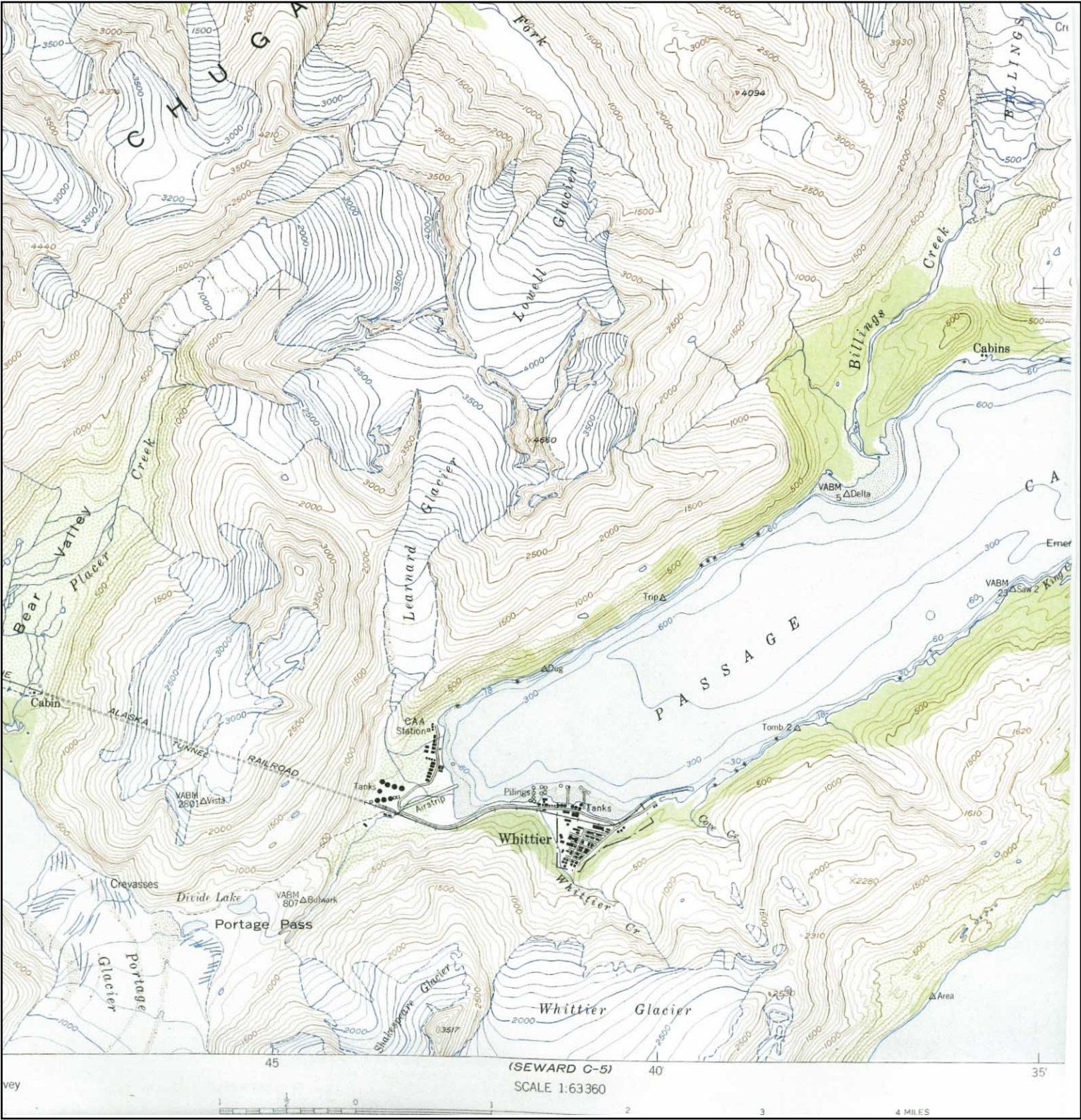
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Historical Topographic Map



<div>N</div> <div>↑</div>	TARGET QUAD	SITE NAME:	Whittier Small Boat Harbor	CLIENT:	Hart Crowser, Inc.
	NAME: Seward (D-5), AK	ADDRESS:	Harbor Road	CONTACT:	Caryn Orvis
	MAP YEAR: 1952	LAT/LONG:	Whittier, AK 99686	INQUIRY#:	1888514.4
	SERIES: 15			RESEARCH DATE:	03/28/2007
	SCALE: 1:63,360				



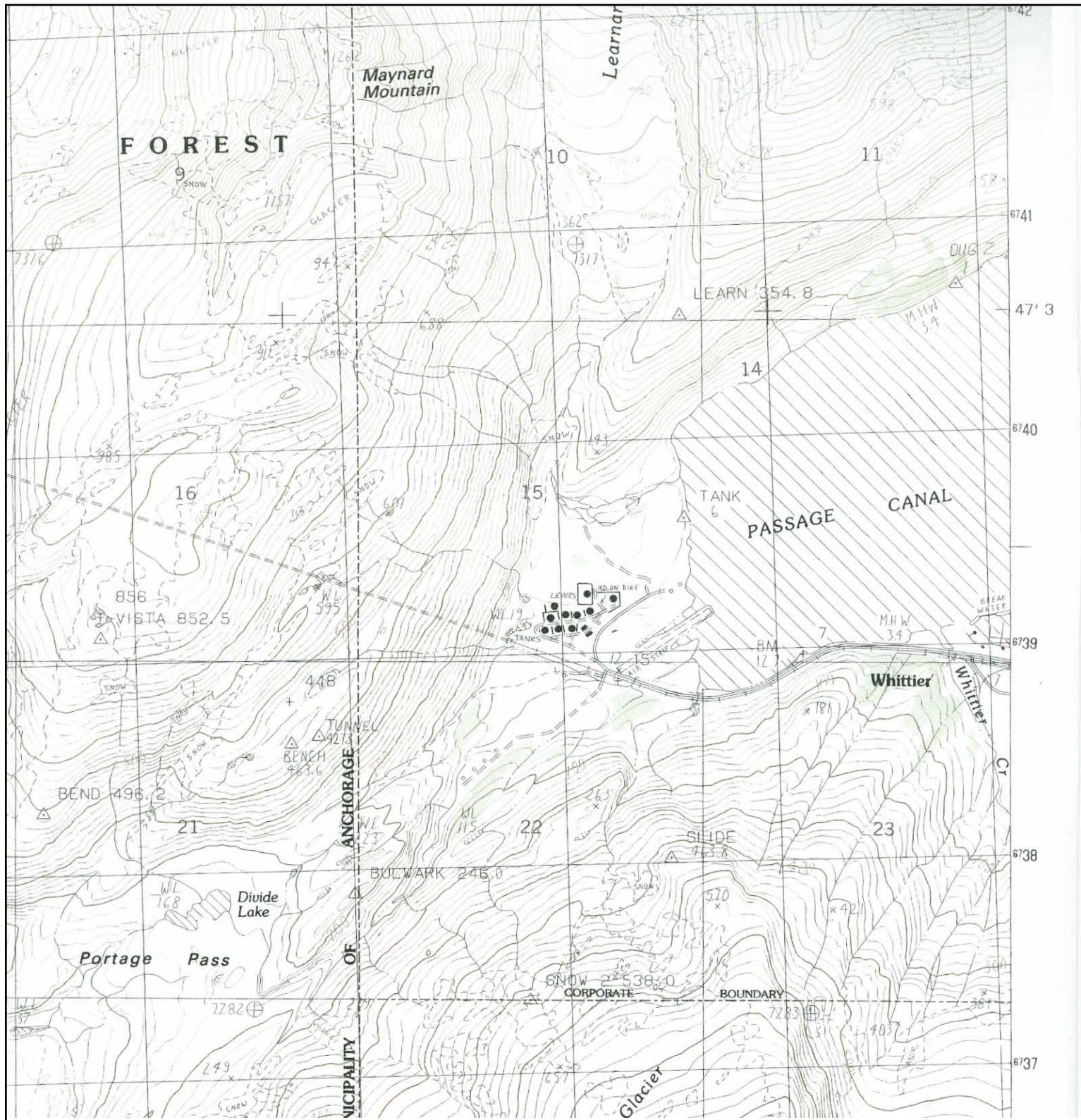
# Historical Topographic Map



<p>N ↑</p>	<p>TARGET QUAD NAME: Seward (D-5), AK MAP YEAR: 1966 REVISED FROM: 1951 SERIES: 15 SCALE: 1:63,360</p>	<p>SITE NAME: Whittier Small Boat Harbor ADDRESS: Harbor Road Whittier, AK 99686 LAT/LONG: 60.7777 / 148.6935</p>	<p>CLIENT: Hart Crowser, Inc. CONTACT: Caryn Orvis INQUIRY#: 1888514.4 RESEARCH DATE: 03/28/2007</p>
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## Historical Topographic Map



TARGET QUAD

NAME: Seward (D-5) SW, AK  
MAP YEAR: 1984

SERIES: 7.5  
SCALE: 1:25,000

SITE NAME: Whittier Small Boat Harbor

ADDRESS: Harbor Road  
Whittier, AK 99686

LAT/LONG: 60.7777 / 148.6935

CLIENT: Hart Crowser, Inc.

CONTACT: Caryn Orvis


INQUIRY#: 1888514.4

RESEARCH DATE: 03/28/2007



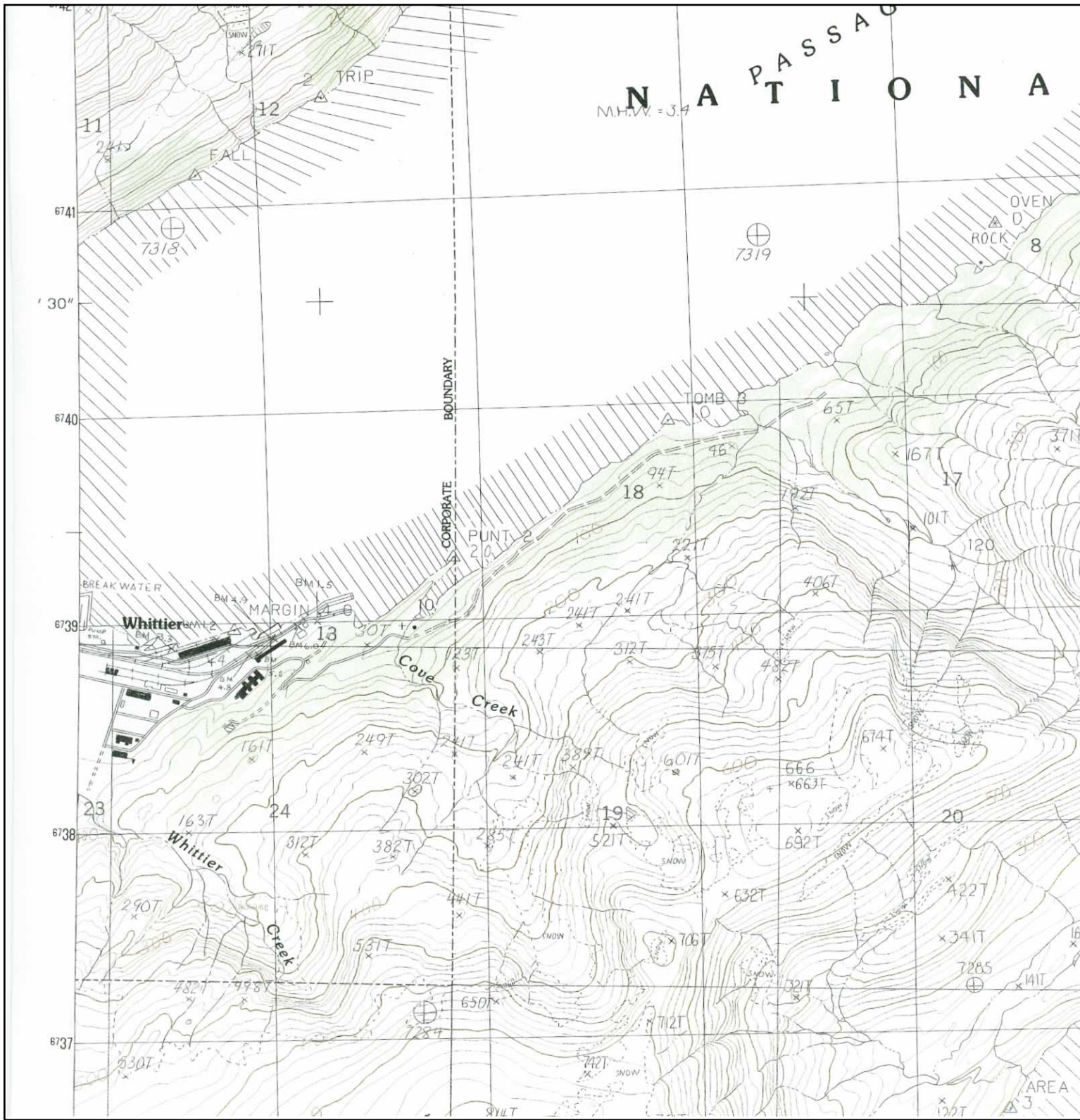
Historical Topographic Map



	TARGET QUAD	SITE NAME:	Whittier Small Boat Harbor	CLIENT:	Hart Crowser, Inc.
	NAME: Seward (D-5), AK	ADDRESS:	Harbor Road	CONTACT:	Caryn Orvis
	MAP YEAR: 1995	LAT/LONG:	Whittier, AK 99686	INQUIRY#:	1888514.4
	SERIES: 15			RESEARCH DATE:	03/28/2007
	SCALE: 1:63,360				



## Historical Topographic Map



ADJOINING QUAD

NAME: Seward (D-5) SE, AK  
MAP YEAR: 1984

SERIES: 7.5  
SCALE: 1:25,000

SITE NAME: Whittier Small Boat Harbor

ADDRESS: Harbor Road  
Whittier, AK 99686

LAT/LONG: 60.7777 / 148.6935

CLIENT: Hart Crowser, Inc.

CONTACT: Caryn Orvis

INQUIRY#: 1888514.4

RESEARCH DATE: 03/28/2007



"Linking Technology with Tradition"®

## Sanborn® Map Report

**Ship To:** Caryn Orvis  
Hart Crowser, Inc.  
2600 Cordova Street  
Anchorage, AK 99503

**Order Date:** 3/27/2007 **Completion Date:** 3/27/2007

**Inquiry #:** 1888514.3

**P.O. #:** 8969-06

**Site Name:** Whittier Small Boat Harbor

**Address:** Harbor Road

**City/State:** Whittier, AK 99686

**Customer Project:** Whittier Ph I E  
1033409BRU 907-276-7475

**Cross Streets:**

This document reports that the largest and most complete collection of Sanborn fire insurance maps has been reviewed based on client supplied information, and fire insurance maps depicting the target property at the specified address were not identified.

**NO COVERAGE**

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report AS IS. Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

## **APPENDIX B**

### **UTILITY AND SMALL QUANTITY GENERATOR INFORMATION**



**Caryn Orvis**

---

**From:** Greg Arthur [Greg\_Arthur@chugachelectric.com]  
**Sent:** Thursday, June 21, 2007 8:51 AM  
**To:** Caryn Orvis  
**Subject:** Whittier Transformers

Hi Caryn,

Per our conversation on Tuesday, I researched the PCB content (if any) for the transformers in the Whittier small boat harbor. All of Chugach's transformers in Whittier are non-PCB with the exception of one. Transformer # 3636 contains 7 ppm of PCBs. This transformer is located on a pole in the east end of the town near the intersection of Depot Road and Hill Street and may be outside of your Phase I area.

Please let me know if you need any additional information.

Best Regards  
Greg

Greg Arthur, P.E.  
Manager of Environmental Engineering  
Chugach Electric Association Inc.  
Phone: (907) 762-4492  
Fax: (907) 762-4773

6/21/2007

# STATE OF ALASKA

TONY KNOWLES, GOVERNOR

**DEPT. OF ENVIRONMENTAL CONSERVATION**  
Division of Air and Water Quality  
Watershed Management Section  
555 Cordova Street  
Anchorage, AK 99501

Phone: (907)269-7565  
Fax: (907)269-7508  
TTY: (907)269-7511

September 15, 1997

Mr. Jerry Durnil  
City of Whittier  
P.O. Box 639  
Whittier, AK 99693

Subject: Whittier EVOS Oily/Water Separator, Wastewater Permit Application  
ADEC File No. 9722-DB004

Dear Mr. Durnil:

The Department has reviewed your application for a wastewater disposal permit for the discharge of treated effluent from the Whittier EVOS Station. The system will treat water from various sources including bilge pumpings, used oils, and fuel. Due to the volume and nature of the discharge we have determined that a permit will not be required at this time. The discharge is still subject to the criteria contained in the Alaska Water Quality Standards, 18 AAC 70.

If in the future, the discharge significantly changes, please contact this Department and we will determine at that time if a permit will be required. Engineering plan review of this project is waived.

If you have any questions regarding this matter, please contact me at 269-7565.

Sincerely,



Robert Dolan  
Environmental Engineer

RD/jcb GABQ-CLERIDOLAN9722-004.LET

cc: Matt Stephi, Stephi Engineers

## List of Regulated Generators, Sorted By Generator Type and Handler Name

## State of Alaska

Number of Regulated Generators: 848

EPA Region 10

Gen Type	Handler Name	Handler ID	Location Address	City	Zip Code	TSD	Transporter	Used Oil
CEG	USDOT FAA UNALAKLEET	AK5690502153	UNALAKLEET ARPT NAV AIDS	UNALAKLEET	99684	no	no	yes
CEG	USDOT FAA WOODY ISLAND	AK9690502258	WOODY ISLAND NAV AIDS	KODIAK	99615	no	no	yes
CEG	USDOT FAA YAKUTAT FACILITY	AK3690502403	YAKUTAT ARPT NAV AIDS	YAKUTAT	99689	no	no	no
CEG	USEPA BIOREMEDIATION LAB	AK5680000184	120 FIDALGO ST	VALDEZ	99686	no	no	no
CEG	USEPA KLAG BAY SITE	AK0002364768	T48S R57E SEC36 CHICHAGOF IS	SITKA	99835	no	no	no
CEG	USEPA WILLOW MERCURY SPILL	AKR0000033327	MI 77 PARKS HWY & SOCKEYE RD	WILLOW	99688	no	yes	no
CEG	USGSA FAIRBANKS	AK0000190140	101 12TH AVE	FAIRBANKS	99701	no	yes	no
CEG	USGSA FEDERAL BLDG CH & PO	AK4470001377	709 W 9TH ST	JUNEAU	99801	no	no	no
CEG	USGSA FEDERAL BUILDING COURTHOUSE	AK0150000156	222 W 7TH AVE, ROOM 151 BOX 5	ANCHORAGE	99513	no	no	no
CEG	USNAVY ARCTIC RESEARCH LABORATORY	AK2170027245	N71 19 30 W156 41 00	BARROW	99723	no	no	no
CEG	USNAVY NARL PT MCINTYRE FORMER DEWLIN	AKR000200279	15 MI NW OF CITY	DEADHORSE	99734	no	no	no
CEG	USNAVY NWSC SEAFAC	AK1170000201	BACK ISLAND	KETCHIKAN	99901	no	no	no
CEG	USNAVY WALES FLD STA	AK9170000203	T3N R45W S31 KRM	WALES	99783	no	no	no
CEG	VALDEZ CY OF BALER FAC	AK0000666685	500 S SAWMILL DR	VALDEZ	99686	no	no	no
CEG	VALLEY LUMBER	AKR000002238	8525 OLD DAIRY RD	JUNEAU	99801	no	no	no
CEG	VECO BASE	AKR000200188	OLD SAG RIVER ROAD TRACT 47	DEADHORSE	99734	no	no	yes
CEG	VECO INC	AKD983071523	160 W 68TH	ANCHORAGE	99518	no	no	no
CEG	VECO INC DEADHORSE FACILITY	AKD980987978	SPINE RD	PRUDHOE BAY	99734	no	no	no
CEG	VECO KENAI FACILITY	AKD010192219	KENAI SPUR HWY MI 15.5	KENAI	99611	no	no	no
CEG	VERNAIR	AKR000003525	1705 FIFTH AVE	ANCHORAGE	99506	no	no	no
CEG	WAL-MART SOTRE #2188	AKR000004739	18600 EAGLE RIVER RD	EAGLE	99577	no	no	no
CEG	WAL-MART STORE #2070	AKR000004713	3101 "A" STREEET	ANCHORAGE	99503	no	no	no
CEG	WAL-MART STORE #2071	AKR000002782	8900 OLD SEWARD HWY	ANCHORAGE	99515	no	no	no
CEG	WAL-MART STORE #2074	AKR000004721	1350 S SEWARD MERIDIAN PKAY	WASILLA	99654	no	no	no
CEG	WAL-MART STORE #2711	AKR000003798	2911 MILL BAY RD	KODIAK	99615	no	no	yes
CEG	WAL-MART STORES INC STORE NUMBER 2722	AKR000200808	537 JOHANSEN EXPRESSWAY	FAIRBANKS	99701	no	no	no
CEG	WALDEC ENTERPRISES INC	AKD983068230	BONIFACE PKY & DEBARR RD	ANCHORAGE	99504	no	no	yes
CEG	WARD AIR INC	AK0000385625	8991 YANDUKIN DR	JUNEAU	99801	no	no	no
CEG	WARNING LITES OF ALASKA, INC.	AKR000201392	591 WEST 67TH AVE	ANCHORAGE	99518	no	no	no
CEG	WAYNES CERTIFIED AUTOMOTIVE	AKR000004572	11901 SOUTH GAMBELL	ANCHORAGE	99515	no	no	no
CEG	WEATHERFORD ENTERRA	AKD983073354	KENAI SPUR HWY MI 26.5	NIKISKI	99635	no	no	no
CEG	WEST KAVIK AIRSTRIP #1	AKR000004010	69D 46M 09S N 147D 11M 29S W	DEADHORSE	99734	no	no	no
CEG	WESTERN INSULFOAM CORP	AK0000033910	628 WESTERN DR	ANCHORAGE	99501	no	no	no
CEG	WHITE PASS & YUKON ROUTE RR	AKD083354209	1 SHOPS ROAD	SKAGWAY	99840	no	no	no
CEG	WHITTIER CY OF DEC PROGRAM	AKD983068479	BEGICH TOWERS ROOM 103	WHITTIER	99693	no	yes	no

## generator type designators

LQG - large quantity generator ; SQG - small quantity generator ; CEG - conditionally exempt small quantity generator

## **APPENDIX C**

### **AERIAL PHOTOGRAPHS**





**1964 Aerial Photograph**  
**Whittier Small Boat Harbor**  
**Whittier, Alaska**

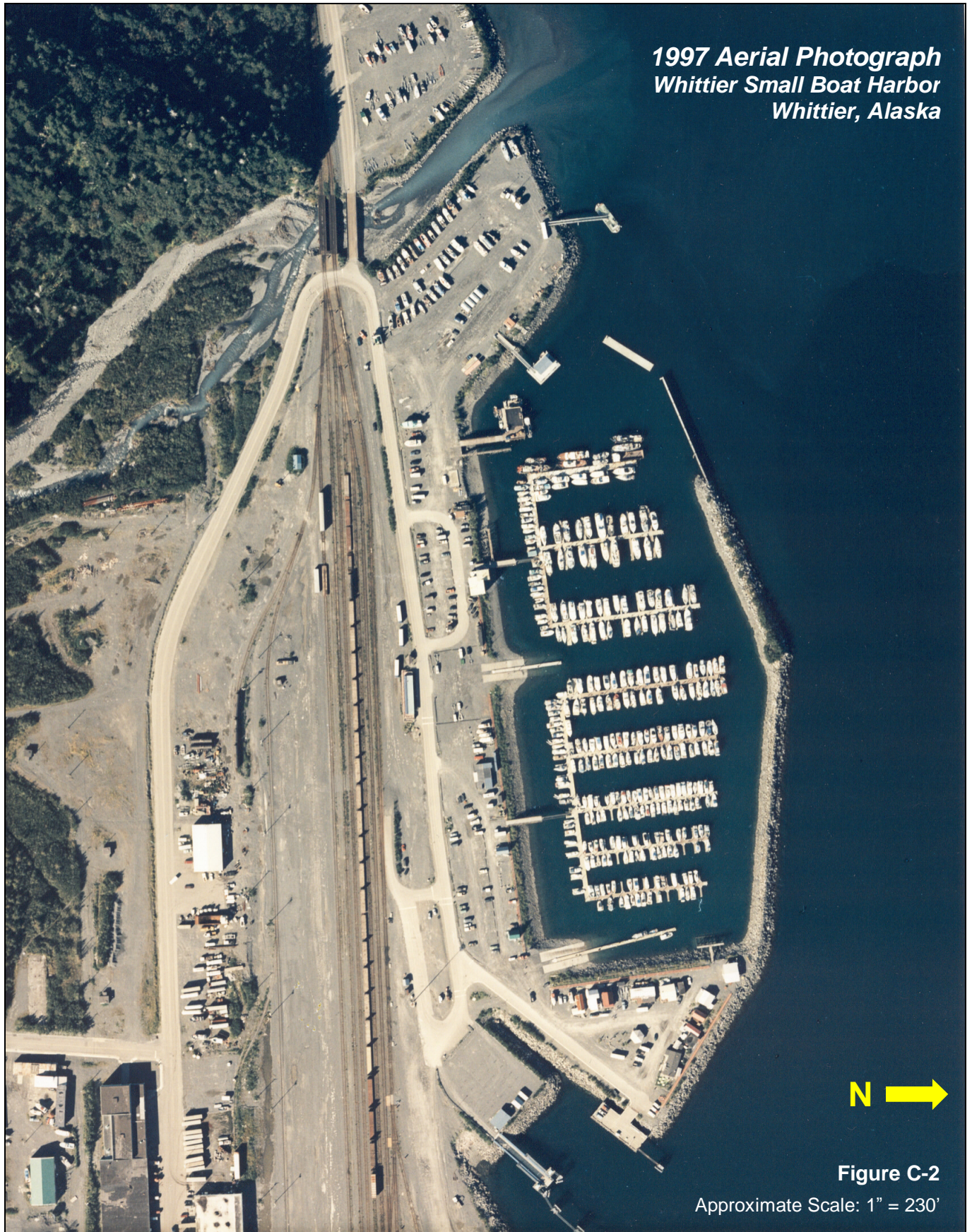
**N** →

**Figure C-1**

Approximate Scale: 1" = 220'



**1997 Aerial Photograph  
Whittier Small Boat Harbor  
Whittier, Alaska**



**Figure C-2**

Approximate Scale: 1" = 230'



**1980 Aerial Photograph  
Head of Passage Canal  
Whittier, Alaska**



**Figure C-3**

Approximate Scale: 1" = 460'



**1997 Aerial Photograph  
Head of Passage Canal  
Whittier, Alaska**



**Figure C-4**

Approximate Scale: 1" = 400'



## **APPENDIX D**

### **SELECTED SITE PHOTOGRAPHS**



Photograph 1: View of the Whittier Small Boat Harbor (WSBH), looking southwest.



Photograph 2: Breakwater at the WSBH, looking west.



Photograph 3: East boat ramp at the WSBH. View is to the south.



Photograph 4: Area of proposed shoreline expansion at the WSBH. View is to the west.





Photograph 5: East boat ramp at the WSBH. View is toward the east.



Photograph 6: Northeast corner of the WSBH.



Photograph 7: Hazardous materials collection building at the WSBH.



Photograph 8: Used oil collection facility sign.





Photograph 9: Transformer No. SC763 and portable fuel tank near the Hazardous Materials Collection building at the WSBH.



Photograph 10: Used battery collection area at the Hazardous Materials Collection building at the WSBH.





Photograph 11: Boat re-fueling dock at the WSBH. View is to the east.



Photograph 12: Shoreline at the Head of Passage Canal (HOPC) property. View is to the southeast. Tidal debris is visible in the photograph.





Photograph 13: Beach area at the HOPC. This area is used informally as a day-use/camping area. View is to the south.



Photograph 14: Abandoned barge at the HOPC. View is to the south.





Photograph 15: Tank farm at the former Defense Fuel Support Point-Whittier (DFSP-Whittier), located adjacent to the HOPC property. View is to the west.



Photograph 16: Former landfill area at the HOPC. View is to the northeast.





Photograph 17: Former landfill area at the HOPC. View is to the southeast.



Photograph 18: Metal debris in the ponded water at the former landfill location at the HOPC.





Photograph 19: Debris collection and staging area at the HOPC property. This debris will eventually be transported to Anchorage, Alaska, for disposal.



Photograph 20: Wood debris from local road-building activities that is currently stored at the HOPC property.





Photograph 21: Debris at the former sawmill location at the HOPC property.



Photograph 22: Location of the former sawmill at the HOPC. This area had a large amount of metal and wood debris. View is to the southeast.





Photograph 23: Former sawmill location at the HOPC property. View is to the south.



Photograph 24: Empty fuel tanks staged at the HOPC property. View is to the west.





Photograph 25: Trenched area at the HOPC property. View is to the north.



Photograph 26: Former DFSP-Whittier tank farm located adjacent to the HOPC property. View is to the west.





Photograph 27: Former DFSP-Whittier tank farm. View is to the west.



Photograph 28: Former DFSP-Whittier tank farm at the HOPC. View is to the northwest.