



Alaska Department of Environmental Conservation

Reuse & Redevelopment Initiative

Brownfield Assessment



Limited Phase I Environmental Site Assessment

*Columbia Ward Fisheries Facility, Dumpsite,
and "License to Enter" Properties*

Chignik Lagoon, Alaska

Submitted to:
Department of Environmental Conservation
Brownfield Program



By:
Hart Crowser, Inc
June 27, 2007

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Columbia Ward Fisheries Facility, Dumpsite, and "License
to Enter" Properties
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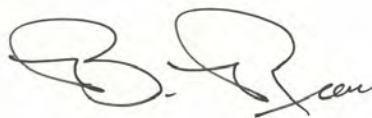
***Prepared for
Alaska Department of Environmental Conservation***

***June 2007
8969-04***

Prepared by
Hart Crowser, Inc.

A handwritten signature in black ink, appearing to read "Richard J. Girouard".

Richard J. Girouard, P.E.
Sr. Project Engineer

A handwritten signature in black ink, appearing to read "Bruce A. Ream".

Bruce A. Ream, RPA
Alaska Regional Manager

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LIST OF ACRONYMS AND ABBREVIATIONS

ACBM	asbestos containing building materials
ASTM	American Society for Testing and Materials
ASTs	above ground storage tanks
CLNC	Chignik Lagoon Native Corporation
CWF	Columbia Ward Fisheries
DEC	Alaska Department of Environmental Conservation
EDR	Environmental Data Resources, Inc.
EPA	Environmental Protection Agency
ESA	environmental site assessment
HBM	hazardous building materials
LTE	license to enter
LUST	leaking underground storage tank
MLLW	mean lower low water
NWIS	National Wetlands Inventory System
PCBs	polychlorinated biphenyls
RCRA	Resource Conservation Recovery Act
TSCA	Toxic Substances Control Act of 1976
USACE	U.S. Army Corps of Engineers
USGS	U.S. Geological Survey
UST	underground storage tank

**LIMITED PHASE I ENVIRONMENTAL SITE ASSESSMENT
COLUMBIA WARD FISHERIES FACILITY, DUMPSITE, AND “LICENSE TO ENTER”
PROPERTIES
CHIGNIK LAGOON, ALASKA**

1.0 INTRODUCTION

This report presents the results of our Limited Phase I Environmental Site Assessment (ESA) for the Columbia Ward Fisheries (CWF) facility, a nearby dumpsite, and 18 “license to enter” (LTE) properties owned by the Chignik Lagoon Native Corporation (CLNC). The subject properties are located on the northwest shore of Chignik Lagoon (Figure 1), across from the village of Chignik Lagoon. The subject properties are surrounded by generally undeveloped land and Chignik Lagoon. Hart Crowser was contracted by the Alaska Department of Environmental Conservation (DEC), to perform this Phase I ESA under our Term Contract No. 18-9028-11, Notice to Proceed No. 18-9028-11-06B (dated January 18, 2007).

1.1 Purpose

This Phase I ESA is being performed as part of an 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.

1.2 Involved Parties

Wards Cove Packing Company of Seattle, Washington currently owns the CWF facility. The dumpsite and the LTE properties are on land owned by the CLNC.

1.3 Scope of Work

This project consists of a Limited Phase I ESA. The ESA was conducted in general accordance with the American Society for Testing and Materials (ASTM) Standard Practice for Phase I ESAs (E 1527-05) with several exceptions. Permission was not granted by the current owner of the CWF facility to enter the property and, therefore, property was inspected only from the site boundaries. Due to budget constraints, the 18 LTE properties were only given a cursory inspection and limited background review. There are no utility companies that serve these properties and therefore, none were contacted.

Historical aerial photograph reviews and literature searches were conducted to identify previous land use; 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 recorder's office. These tasks are summarized below:

- We obtained selected available historical aerial photographs from Aero-Metric (formerly AeroMap), Inc;
- We conducted interviews with long-time residents of Chignik Lagoon, for local knowledge of past land use at the sites;
- The DEC UST database was searched to gather information about USTs in the project area;
- We conducted a regulatory agency environmental records search to identify contaminated sites and USTs in the area;
- We obtained environmental risk management information reports from Environmental Data Resources, Inc. (EDR), for the subject properties; and
- We conducted a site reconnaissance 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.

Also, during the site reconnaissance we took photographs and video recordings of current site conditions.

2.0 GENERAL SITE CHARACTERISTICS

2.1.1 CWF Facility

The CWF facility is situated along the northwestern shore of Chignik Lagoon (Figure 1) in a small stream valley. The facility includes several large warehouse type structures located on a dock constructed on the shoreline. In addition, there are several bunk houses and smaller residential structures and two fuel tank farms.

2.1.2 Dumpsite

The dumpsite is located in the Dago Creek valley approximately 1,000 feet northwest of the CWF facility (Figure 1). Waste was dumped at the edge of a small bluff overlooking the creek's floodplain. The trails defining the informal boundary of the dumpsite encompass an area of approximately 1.25 acres. The area where waste was actually placed appears to be approximately 0.20 acres. There is still debris visible on the surface of the waste pile.

2.1.3 LTE Properties

There are 18 small (less than 0.5 acres) LTE lots located near Dago Point (Figure 1). These lots are owned by the CLNC and many of them have been used for summer fish camps for a number of years. The occupants have constructed a variety of structures for housing and storage. Following the closing of the CWF facility, most of these properties have been abandoned.

2.2 Legal Description

2.2.1 CWF Facility

The property is located in Section 2, Township 45 South, Range 60 West, Seward Meridian. It consists of a 15.533-acre upland tract as shown on U.S. Survey No. 2715 and an adjacent 12.232-acre tide and submerged lands tract as shown on Alaska Tidelands Survey No. 157. The U.S. Geological Survey (USGS) Chignik (B-2), topographic map (Figure 1) covers the property.

2.2.2 Dumpsite and LTE Properties

The dumpsite and the LTE Properties are located on CLNC land. The dumpsite is located in Section 2, Township 45 South, Range 60 West, Seward Meridian. The LTE Properties are located in Sections 1 and 2, Township 45 South, Range 60 West, Seward Meridian and in Section 33, Township 44 South, Range 59 West, Seward Meridian. The USGS Chignik (B-2), topographic map (Figure 1) covers the properties.

2.3 Adjacent Properties

The land adjacent to the CWF facility and dumpsite is undeveloped land owned by the CLNC.

Properties adjacent to the LTE properties are either undeveloped or have residential structures. The developed lots are primarily used as seasonal fish camps.

2.4 Site Description and Current Site Uses/Operations

2.4.1 CWF Facility

The CWF facility was built in a small stream valley along the shore of Chignik Lagoon. A small unnamed stream flows through the center of the facility and into Chignik Lagoon. The prominent improvement is an earth fill dock that has been extended with wooden piers. In addition to the dock, there are several warehouse buildings, a machine shop, a dining hall, an office, several bunk houses and individual residences, two fuel tank farms, and several boat storage structures (Figure 2). The facility is currently defunct and unoccupied. It was last used in the early 1990s providing services to the local fishing fleet.

Although commonly referred to as a “cannery”, the facility has not operated in that capacity in several decades. Fish caught in the area were loaded onto tenders and transported to other facilities for processing. The CWF facility was mainly used to provide goods, services, and fuel to fishing vessels operating in the area. Villagers from Chignik Lagoon and Chignik Lake also utilized the facility’s general store and fuel services.

The main structure is a two-story warehouse/store located on the earthen dock. South of the store is a building that housed the machine shop. South of the machine shop is the generator building where electrical power was produced for the facility. Northwest, or behind, the store is another, smaller warehouse and behind that structure is the dining hall. North of the dining hall are single family type residences. Southwest of the dining hall are bunk houses and laundry facilities. Southwest of the warehouses and machine shop are an office and several more residences. On the southwest portion of the site, on a low ridge above the stream valley and lagoon shoreline, are two fuel tank farms.

Built along the southern shoreline of the facility is the fuel dock and a wood rack for storing boats. A crane located at the end of the pier lifted boats out of the water and set them on a trolley. Once on the trolley, the boats were moved back to the storage rack and slid into place using a winch. According to local interviews, the boats were also serviced while on the storage rack. Additional storage racks and a marine railway are located immediately north of the store. Boats were pulled up the rails and then slide sideways onto one of the racks for storage or maintenance.

2.4.2 Dumpsite

Less than 1/4 mile northwest of the facility is a dumpsite that was used by the CWF facility in the 1980s through the early 1990s. The dumpsite is located just north of a low pass separating the unnamed stream valley from the Dago Creek valley (Figure 1). After the CWF facility ceased operations, trash was apparently still disposed of at the dumpsite by people occupying the LTE and other properties in the area. Based on observations from the site visit, this practice appeared to have continued up until just a few years ago.

2.4.3 LTE Properties

Approximately 1/2 to 1 mile northeast of the CWF facility are the LTE properties. Several dozen small lots exist around Dago Point, both north and south of Dago Creek (Figure 5). Of these, 18 lots are owned by the CLNC and users have been granted “license to enter” by the CLNC (hence the term LTE properties). The LTE lots and the other privately owned lots in the area were used primarily as summer fish camps. Villagers primarily from Chignik Lake and Perryville would live on the properties during the summer fishing season. These lots are connected to the CWF facility by a gravel road.

After the general store at the CWF facility closed, the properties saw steadily declining use and, currently, only three or four families still use the area for fish camps. Many of the LTE properties have single-family type structures built on them and most are falling into disrepair from weather and vandalism.

2.5 Past Site Uses/Operations

2.5.1 CWF Facility

The site was originally homesteaded by Robert Sebastian in the late 1800s or early 1900s. By 1911, Columbia River Packing Company was operating a cannery at site (Hutchinson-Scarborough and Fall 1996). In September 1946, U.S. Survey No. 2715 was conducted and shows a cannery facility on the property with one tank farm located near the shoreline (Figure 3). In August 1962, an Alaska Tidelands Survey was conducted on the tidelands adjacent to the upland portion of the site and shows a cannery facility owned by Chignik Fisheries Company (Figure 4). The facility still has one tank farm but it appears to have been relocated to the top of the bluff overlooking the lagoon.

The facility stopped processing fish in the 1960s but continued to service the fishing fleet through fuel sales, boat storage and repair, and the operation of a general store. A fire in the late 1970s destroyed the wood dock and the wood

structures on it. The dock was reconstructed using earth fill and metal buildings replaced the ones destroyed. The facility ceased operations in the early 1990s. It is currently owned by Wards Cove Packing Company.

2.5.2 Dumpsite

The dumpsite was undeveloped land prior to being used to dispose of waste. In the mid-1980s the CWF facility operators began placing waste at the site. In the early 1990s the CWF facility closed and was no longer placing waste at the dumpsite. However, seasonal residents of the area continued to use the site for waste disposal. At the time of the site visit (May 2007), the access road was very overgrown and difficult to travel and it did not appear as though the dumpsite was still in use.

2.5.3 LTE Properties

It is unclear when occupancy of the LTE properties began; however, it was after the passage of the Alaska Native Claims Settlement Act in 1971.

3.0 ENVIRONMENTAL SETTING

The subject properties are located within the Lake and Peninsula Borough, on the south coast of the Alaska Peninsula, along the north shore of Chignik Lagoon. Much of the land the properties are on is less than 20 feet above mean sea level. The Chignik Lagoon area has a maritime climate characterized by cool, humid, and windy weather. Thick cloud cover and heavy winds are prevalent during winter months. Summer temperatures range from 39 to 60 degrees Fahrenheit. Winter temperatures range from 21 to 36 degrees Fahrenheit. Precipitation averages 127 inches annually, with an average annual snowfall of 58 inches (Alaska Department of Commerce, Community, and Economic Development 2007). Low cloud cover and fog are common in this area.

3.1 Regional Geology

The land surrounding Chignik Lagoon is rolling tundra and mountains up to several thousand feet high. Surficial deposits in the vicinity of the subject properties are mainly alluvial and range from coarse, subangular rock fragments to fine sand and silt. Much of the area is covered by organic-rich silt deposits. Sedimentary rock in the area is of the Chignik Formation and consists dominantly of light-olive-gray to olive-gray sandstone containing interbedded

olive-gray to olive-black siltstone and conglomerate (Wilson, et al 1999). There are also coal deposits in the area.

The Chignik Lagoon area, in general, is seismically active. The USGS estimates a 70 to 80 percent probability of a magnitude 5.0 earthquake occurring in the next 30 years (USGS 2007). In addition to earthquakes, the area is volcanically active. Mount Veniaminof lies approximately 30 miles northwest of the site and was active as recently as March 2006 (Alaska Volcano Observatory 2007).

3.2 Regional Hydrogeology

Chignik Lake is located southwest of the subject properties and Chignik River drains into the head of Chignik Lagoon. An unnamed creek flows through the CWF facility and empties into the lagoon. Dago Creek (labeled Parallel Creek on USGS maps) flows past the dumpsite and several of the LTE properties before emptying into the lagoon near Dago Point. Tidal flats are present along much of the Chignik lagoon shoreline.

We were unable to locate a source of published information on the regional hydrogeology of Chignik Lagoon. It is likely that groundwater is relatively shallow and that localized flow direction is to the southeast, toward Chignik Lagoon.

3.3 Wetlands

Data for Chignik Lagoon, Alaska, was not available on the National Wetlands Inventory (NWIS) Map (NWIS 2007).

3.4 Flood Zone

A Federal Emergency Management Agency Flood Insurance Rate Map was not available for the properties. The coast line of Chignik Lagoon is protected from large wind-driven waves, however, the U.S. Army Corps of Engineers (USACE) indicates that the village of Chignik Lagoon has experienced extreme high water from storm surges. A preliminary coastal storm study by the USACE in 1968 estimated the 25-year and 75-year water elevations to be +14 ft mean lower low water (MLLW) and +17 ft MLLW, respectively (USACE 2007).

The area is also susceptible to tsunamis, although the entrance to the lagoon likely mitigates the effects. Following the March 1964 earthquake, at the village of Chignik Bay, tsunami waves were reported arriving about two hours after the main earthquake shock and were 10 feet high and 12 in number. In the lagoon the waves were reported at 3 feet high (Lander 1996).

3.5 Local Subsurface Conditions

Information on the subsurface conditions on the subject properties was unavailable. There were no wells or public water supply systems reported on the EDR Report within a 1-mile radius of the subject properties (EDR 2007).

4.0 RECORDS REVIEW

Hart Crowser contracted with EDR to review regulatory agency database lists for the subject property 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 report was 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 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 property (Appendix A).

4.1 Results of Agency List Review and File Search

There were no contaminated sites or registered UST sites identified in the EDR Report within a 1-mile radius of the subject properties (EDR 2007). The nearest listed contaminated site is approximately 2.5 air miles southeast of the subject properties in the village of Chignik Lagoon, Alaska (Reckey Number 1992250130002). The contaminant was diesel fuel and the site status was listed as closed (DEC 2007).

4.2 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 property. The site was used as a fish cannery from the early 1900s until mid-century. After fish processing stopped, the site continued to provide services to the local fishing fleet until approximately 1989. The site was then used to provide limited support to several fishing tenders until the early 1990s when the facility was closed completely.

4.3 Other Agency Review

The subject properties are not served by any public utilities and none were contacted.

4.4 Aerial Photograph Review

Several aerial photographs were reviewed to identify land use in the general area of the CWF facility. Two aerial photographs that illustrate land use patterns for the facility prior to closure were chosen; photograph years include 1963 and 1981.

The two aerial photographs purchased from Aero-Metric, Inc., are dated September 7, 1963, and June 27, 1981. These photographs are included as Appendix B.

The 1963 aerial photograph shows the CWF facility layout as it appears on the Alaska Tidelands Survey conducted the same year (Figure 4). A large wood pier (wharf) exists over the tidal area of the lagoon shoreline. The cannery building, warehouse, store, fish house, and shop buildings are located on the pier. North of the pier is a marine railway and racks for dry storage of boats. To the south of the main pier is a smaller pier that serves as the fuel dock. On the uplands are mostly residential structures and the dining hall. Located on a ridge top southeast of the main pier is a tank farm with nine ASTs. These presumably contain fuel oil and gasoline.

A dirt road leads southwest from the site up towards the surface impoundment (not shown) that supplies water to the CWF facility. Another dirt road climbs out of the stream valley towards the north. There is no evidence of a road or trail leading to the dumpsite.

In the 1981 aerial photograph, the waterfront area of the CWF facility is being rebuilt following the fire in the late 1970s. The main wood pier has been primarily replaced by an earth fill dock. The current store building and machine shop have not yet been built. The marine railway is still present and boats can be seen in the original boat storage area. The fuel pier, south of the main dock, has been extended along the shoreline and a storage rack for additional boat storage has been constructed. Another bunkhouse has been constructed on the western portion of the site and several more residential structures have been built to the north. The original tank farm is present as well as a second tank farm consisting of four ASTs. This second tank farm appears to have a containment berm around it.

Several more roads and trails appear in the 1981 photo. In addition to the road leading to the impoundment, another trail on the north side of the stream leads towards the southwest. The road leading north in 1963 has been straightened and widened. A trail loops from this road up to the ridge top above the facility to the north. There still does not appear to be a trail leading to the dumpsite.

4.5 Fire Insurance Maps

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

5.0 SITE RECONNAISSANCE

As part of the Phase I ESA, Hart Crowser personnel performed a site reconnaissance of the subject properties. For the CWF facility however, the current owner did not grant permission to go on the property or enter the buildings. This site was observed from the property boundaries and the beach below the high tide line. Selected photographs taken at the time of the site visit are included in Appendix C.

5.1 CWF Facility Site Reconnaissance Observations

On May 22, 2007, Mr. Rick Girouard of Hart Crowser conducted a site reconnaissance of the CWF facility. Mr. Girouard observed the site from the property boundaries, nearby hillsides, and from the lagoon shoreline below the high water line.

5.1.1 Polychlorinated Biphenyls (PCBs)

We evaluated the following for potential sources of PCBs:

Fluorescent Light Fixtures. There are likely numerous fluorescent light fixtures in the buildings on the property. Ballasts manufactured through 1979 and those without a "No PCBs" label on them should be assumed to contain PCBs. The Toxic Substances Control Act of 1976 (TSCA) banned storage and distribution of PCB-containing ballasts and regulates their disposal and storage.

Electrical Transformers. Electrical power for the facility was produced onsite by diesel powered generators located near the fuel dock. No transformers were observed but some may be present in the generator shed. If transformers are present on site they would be suspect for containing PCBs.

5.1.2 Above/Underground Fuel Storage Tanks

Two fuel tank farms exist on the site with a total storage capacity that is in the range of several hundred thousand gallons. The first tank farm originally consisted of nine ASTs but at the time of the site visit only five remain, with one of the ASTs located in the brush adjacent to the wood stand that supports the other four (Photograph 9 in Appendix C). The second tank farm consisted of 4 ASTs in 1981 but now has 10 ASTs (Photograph 10 in Appendix C).

In addition to the large ASTs in the tank farms, a number of the buildings have smaller (500-1,000 gallon) ASTs for heating oil. All of the ASTs were reportedly drained of residual fuel after the facility shut down.

We saw no indication that USTs were located on the property.

5.1.3 Stained Surface Soils

Stained soils were not evaluated. An orange-colored seep onto the beach emerging from the toe of the bluff was reported during our background research. This seep was verified as still present during our site reconnaissance and is located on the beach just southwest of the generator shed (Photographs 11 and 12 in Appendix C). This seep has not been sampled.

5.1.4 Air Emissions

At the time of the site visit there were no waste incinerators operating or other regulated sources of air emissions located on the subject property.

5.1.5 Wastewater

We did not determine how wastewater from the site is disposed.

5.1.6 Pesticides/Herbicides

We did not enter any buildings and do not know if pesticides or herbicides are being stored on site.

5.1.7 Asbestos Containing Building Materials (ACBM)

The store, warehouse, and machine shop were constructed after 1980 and therefore, may not contain ACBM. The other buildings on the site are much older and the presence of ACBM is likely.

5.1.8 Drycleaners

No drycleaners were on or near the property.

5.1.9 Landfills, Waste Generation, and Disposal

From the early 1980s until the facility closed, waste from the facility was disposed of at a dumpsite located approximately 1,000 feet northwest of the site. This site is discussed in Section 6.2 below. Our research did not reveal where waste was disposed of prior to the use of this dumpsite.

5.1.10 Water Supply

Water for the facility was supplied by a surface impoundment located upgradient and to the southwest of the site.

5.1.11 Lead-Based Paint

Given the age of the buildings, some original paint could contain lead. We observed that many of the painted surfaces are in poor condition and could present an exposure risk. Exterior paint was severely weathered on most of the buildings and it is likely that soils around the buildings have been impacted by lead. We could not evaluate the condition of interior painted surfaces.

5.1.12 Miscellaneous Observations

Boat Storage Racks. There are two areas at the facility where boats were stored out of the water. Reportedly, maintenance and repair was performed on the boats while out of the water on these racks. If proper precautions were not taken during these activities the ground below the racks may have become contaminated.

Fuel Dock. Transfer of fuel to and from vessels occurred at the fuel dock. These activities usually present a risk of fuel spills. However, the transfers would have occurred over water and any fuel spilled would have been dispersed by the water and are not likely to still be present at the site.

General Disrepair. The buildings and other improvements are showing effects of the area's harsh weather and are falling into a state of general disrepair. There are also signs of vandalism, mainly broken windows. In addition, a bear reportedly broke into one of the cottages.

5.2 Dumpsite Reconnaissance Observations

The dumpsite was reportedly in use by the CWF facility during the 1980s into the early 1990s. The access road from the facility to the dumpsite is not present in the 1981 aerial photograph, indicating that the dumpsite came into use after 1981. The waste is placed on the side of a small hill (approximately 15 to 20 feet high) overlooking the Dago Creek valley (Figure 1).

At the time of the site visit, the waste pile was becoming overgrown with grass and shrubs, although a lot of debris is still present on the surface. Trash is also dispersed throughout the brush around the dumpsite. It appears that the waste was dumped over the edge of the hill, possibly filling a small ravine, and driven over as it progressed. Without knowing the topography before the waste was placed in the dump, it is impossible to calculate the actual volume but a rough estimate is that there is about 1,000 cubic yards of waste placed at the site.

The visible waste includes steel 55-gallon drums, vehicle parts, other steel debris, and typical household trash – household appliances, food packaging, beverage containers, clothing, etc. Some of the trash, soda cans in particular, is not faded, indicating that some of the trash was placed there relatively recently. The access road to the dump is now severely overgrown with alders and difficult to travel. Therefore, it does not appear as though waste is still being placed at the site.

At the time of the site visit there was no water or other liquids observed on the waste pile or seeping out at the base, despite the fact that it had been raining heavily since the previous day. If conditions are such that there is flowing surface water, drainage from the site would be to the northeast along the base of the hill that defines the creek valley and eventually into Dago Creek.

There was evidence that bears have visited the site recently. Bear tracks in soft ground as well as several holes dug in the ground around the base of the waste pile.

5.3 LTE Properties Reconnaissance Observations

Northeast of the CWF facility and dumpsite are the 18 LTE properties. The LTE properties are generally divided into a southern group and a northern group (Figure 5). Some of the properties have a small house or one room shack on them. Most of these dwellings are no longer being used and are falling into a state of disrepair. In addition to the LTE properties owned by CLNC, there are privately owned lots adjacent to the LTE properties. Some of these lots also have dwellings on them. Located near, or on, the lot referred to as LTE 6 on Figure 5 is a generator shed. It was not clear if this generator shed was on the

LTE lot or on the neighboring parcel. Scattered around the generator shed were numerous 55-gallon drums, 5-gallon buckets, and lead-acid batteries. The floor of the shed and the ground immediately around the shed is heavily stained with oil.

Many of the structures on the LTE properties have ASTs for storing heating fuel. Some of these are constructed from 55-gallon drums. The properties had trash and other debris typical of rural Alaska – small vehicle and boat parts, old lumber, fishing gear, and other items.

5.4 Adjacent Site and Vicinity Observations

The CWF facility and dumpsite are adjacent to undeveloped lands. The LTE properties are adjacent to undeveloped land and to other residential properties. There have been no reported incidents of contamination associated with any adjacent properties.

6.0 PERSONNEL INTERVIEWS

On May 21, 2007, several long-time residents of Chignik Lagoon were interviewed about the subject properties. Residents interviewed included Julius Anderson, Alec and Vivian Brandal, Alec Pederson, John Jones, and Diane Moore. They provided information regarding past and current uses of the subject properties, which is included throughout this report.

7.0 CONCLUSIONS AND RECOMMENDATIONS

We have performed a Limited Phase I ESA of the subject properties in general conformance with the scope and limitations of ASTM Practice E 1527-05 and in accordance with our original proposal (07-4-1200-018) dated October 6, 2007, as modified by our revised proposal, dated December 29, 2006. Any exceptions to, or deletions from this practice are described in this report.

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

Based on this effort we note the following potential environmental concerns:

CWF Facility

- **Fuel Tank Farms.** The CWF facility has two tank farms connected to the dock area by pipelines. One tank farm is over 60 years old and the second is at least 26 years old. ASTs in these tank farms appear to be single-wall steel, field-constructed tanks with capacities estimated to be 10,000 gallons and greater. Though there are no spills reported in DEC records, interviews with residents of Chignik Lagoon indicated that several fuel spills had occurred at the facility during its operational history. Given the age and nature of the tank farms, as well as anecdotal evidence, the soil around the tanks should be investigated for possible fuel contamination. The tanks were reportedly drained of fuel; however, this should be verified.
- **Fuel Pipelines.** Fuel was supplied to and from the tanks via pipelines between the tank farms and the dock. Again, given the age of the facility and nature of operations, soil along the pipeline routes should be investigated for possible fuel contamination. Likewise, the piping should be verified as empty.
- **Generator Shed.** Power for the facility was supplied by diesel generators located near the fuel dock. This area should also be investigated for fuel contaminated soil.
- **Heating Oil ASTs.** Fuel for heat was likely stored in ASTs located near each building. These should be investigated for evidence of leakage and checked to see that they are empty.
- **Boat Storage Racks.** Boats were stored out of the water on wooden racks in two locations at the facility. Repairs and maintenance were performed on the boats while on the racks. Soil and sediments beneath these racks should be sampled for contaminants associated with boatyards such as fuel, oil, solvents, and heavy metals.
- **Beach Seep.** The orange-colored seep on the beach south of the generator shed should be sampled to determine if it contains hazardous constituents.
- **Waste Disposal.** We were unable to determine how waste from the facility was disposed of prior to the use of the dumpsite. Aerial photographs do not show a likely earlier dumpsite and Chignik Lagoon residents interviewed did not know how waste were disposed of in earlier years of operation. Given this, it is possible that another dumpsite could exist at or near the facility.

- **Machine Shop.** The building that housed the machine shop reportedly has a concrete floor which would serve to limit impacts from hazardous material spills. Since we were not allowed to inspect the machine shop during our site reconnaissance, this should be investigated to verify that there are no drains of other conduits.
- **Hazardous Building Materials (HBM).** The older buildings at the facility likely contain HBM such as lead paint and asbestos. This should be considered prior to any renovation or demolition of these buildings.

Dumpsite

- **Leachate Migration.** There appears to be no overland flow of stormwater from the waste deposit to Dago Creek, the nearest surface water. However, the possibility of leachate migration into groundwater and subsequently into Dago Creek should be investigated.
- **Surface Debris.** The waste deposit should be capped to prevent further dispersion of surface debris by wind and animals. Properly designed, the cap can also serve to limit leachate production by shedding stormwater. Steps should be taken to prevent additional dumping at the site.

LTE Properties

- **Generator Shed.** There is a generator shed that appears to be on one of the LTE lots with evidence of fuel and/or oil spills. In addition, a number of lead-acid batteries are scattered around the shed. Soil under and around this shed should be investigated for fuel and heavy metal contamination.
- **Heating Oil ASTs.** ASTs for storing heating oil are located near many of the structures. These should be investigated for evidence of leakage. They should also be checked to see that they are empty if the structure is no longer in use.
- **HBM.** The age of the structures is difficult to determine but it is possible that they contain HBM such as lead paint and asbestos. This should be considered prior to any renovation or demolition of these structures.

8.0 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 property. 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 property and nearby areas for sites that suggest a potential for environmental concern to the property. 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 ASTM Standard 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.

We were denied permission to enter the CWF property and, therefore, did not conduct the site reconnaissance in accordance with Section 9 of ASTM Standard E 1527-05.

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 of all HBM.

Questions regarding our work and this letter report, the presentation of the information, and the interpretation of the data are welcome and should be referred to the project manager.

9.0 REFERENCES

The following sources were consulted during this Phase I ESA.

9.1 Published References

Aero-Metric, Inc., 2007. August 7, 1963 Aerial Photograph, Roll No. 63-1, Exposure No. 3-2.

Aero-Metric, Inc., 2007. June 27, 1981 Aerial Photograph, Roll No. 81-1CNP, Exposure No. 13-21.

Hutchinson-Scarborough, Lisa, and Fall, James A., 1996. An Overview of Subsistence Salmon and Other Subsistence Fisheries of the Chignik

Management Area, Alaska Peninsula, Southwest Alaska, Alaska Department of Fish and Game Technical Paper No. 230. December.

Environmental Data Resources, Inc. (EDR), 2007. Chignik Lagoon, AK. March, 9.

Lander, James F., 1996. Tsunamis Affecting Alaska 1737-1996. University of Colorado Cooperative Institute for Research in Environmental Sciences. September.

U.S. Geological Survey, 1973. Chignik (B-5), Alaska Quadrangle Map.

U.S. Geological Survey, 1999. Geologic Map of the Alaska Peninsula, Southwest Alaska.

Wilson, Frederic H., Detterman, Robert L., and DuBois, Gregory D., 1999. Digital Data for Geologic Framework of the Alaska Peninsula, Southwest Alaska, and the Alaska Peninsula Terrane, USGS Open-File Report 99-317, 41 p.

9.2 Additional References

Alaska Contaminated Sites Information was accessed on June 6, 2007, at http://www.dec.state.ak.us/spar/csp/db_search.htm with information provided by the Alaska Department of Environmental Conservation.

Climate information for Chignik Lagoon, Alaska was accessed on June 6, 2007, at http://www.commerce.state.ak.us/dca/commdb/CF_BLOCK.cfm with information provided by the Alaska Department of Commerce, Community and Economic Development.

Floodplain Information for the Chignik Lagoon Area was accessed on June 6, 2007 at http://www.poa.usace.army.mil/en/cw/fld_haz/chignik_lagoon.htm with information provided by the U.S. Army Corps of Engineers.

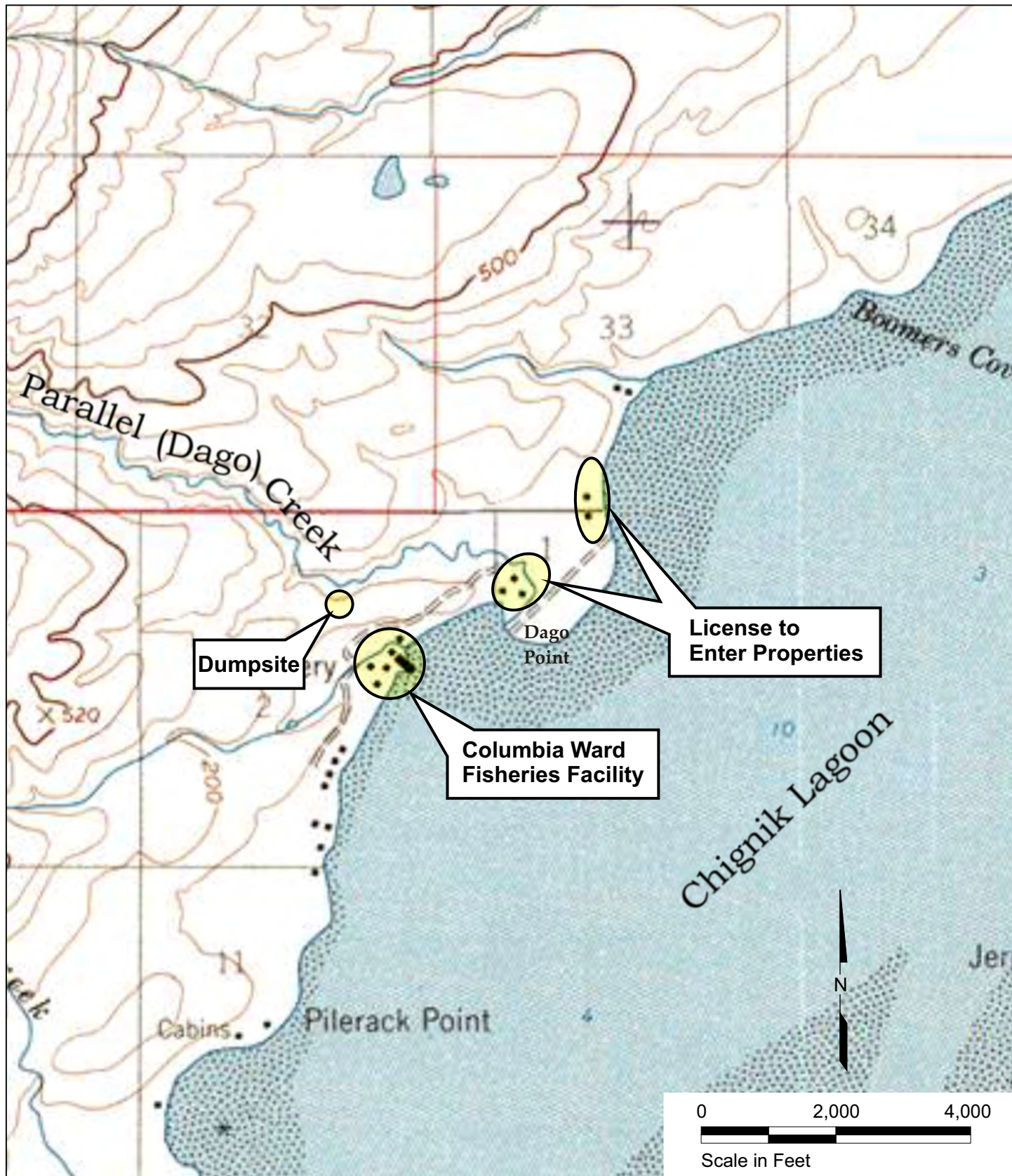
Earthquake information for the Chignik Lagoon area was accessed on June 6, 2007 at <http://eqint.cr.usgs.gov/eq-men/html/neweqprob-06.html> with information provided by the U.S. Geological Survey.

Volcanic Information for the Chignik Lagoon area was accessed on June 6, 2007, at <http://www.avo.alaska.edu/volcanoes/volcinfo.php?volcname=Veniaminof> with information provided by the USGS, Alaska Volcano Observatory.

National Wetlands Inventory (NWIS) Map for Pilot Point accessed on June 6, 2007 at. <http://wetlandsfws.er.usgs.gov/NWI/index.html> with information provided by the U.S. Fish and Wildlife Service.

Chignik Lagoon Information was accessed at http://www.commerce.state.ak.us/dca/commdb/CF_COMDB.htm, with information provided by the Alaska Department of Commerce, Community, and Economic Development.


JAB 6/4/07

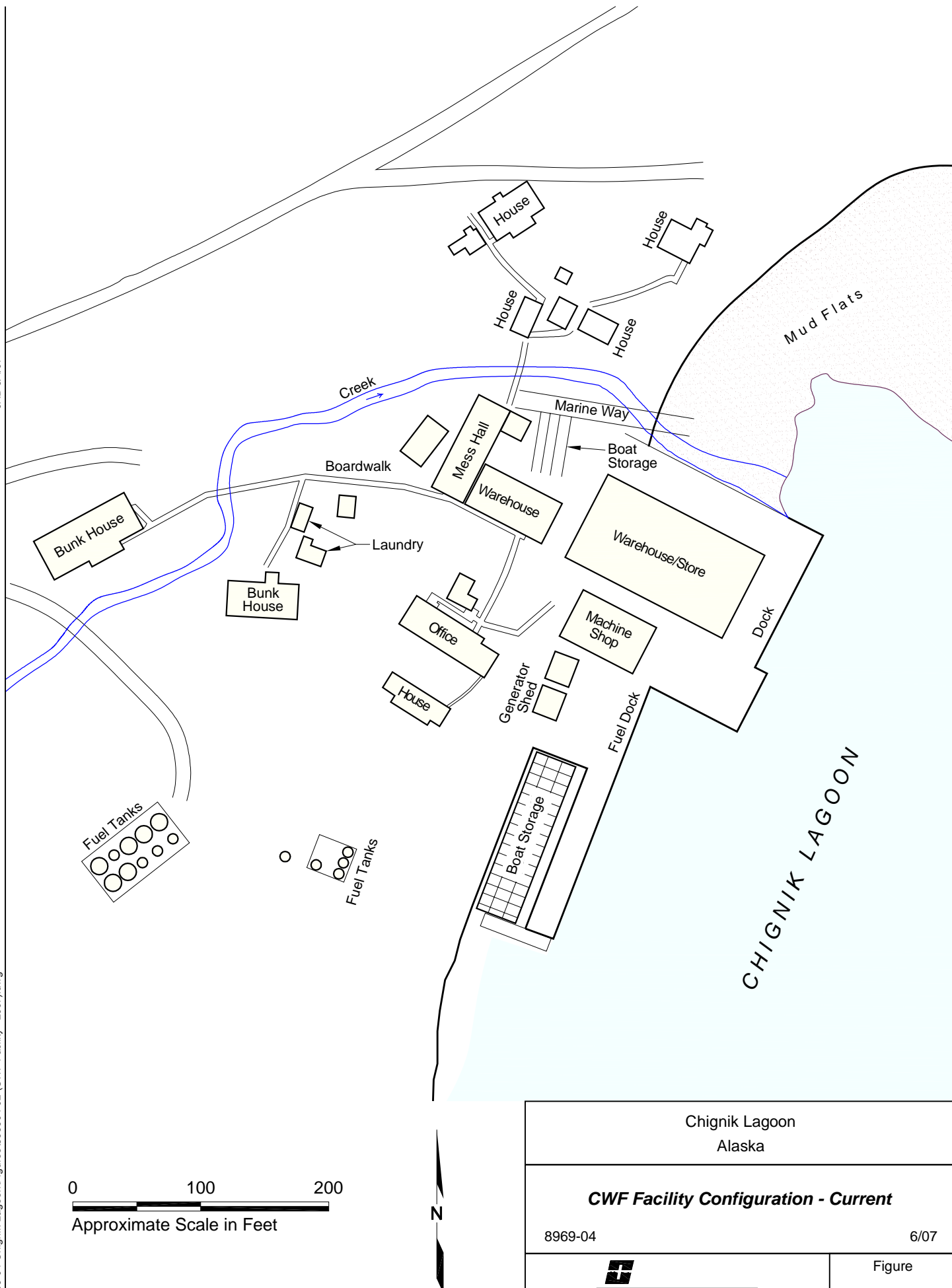


896904 01 (Site Vicinity).cdr




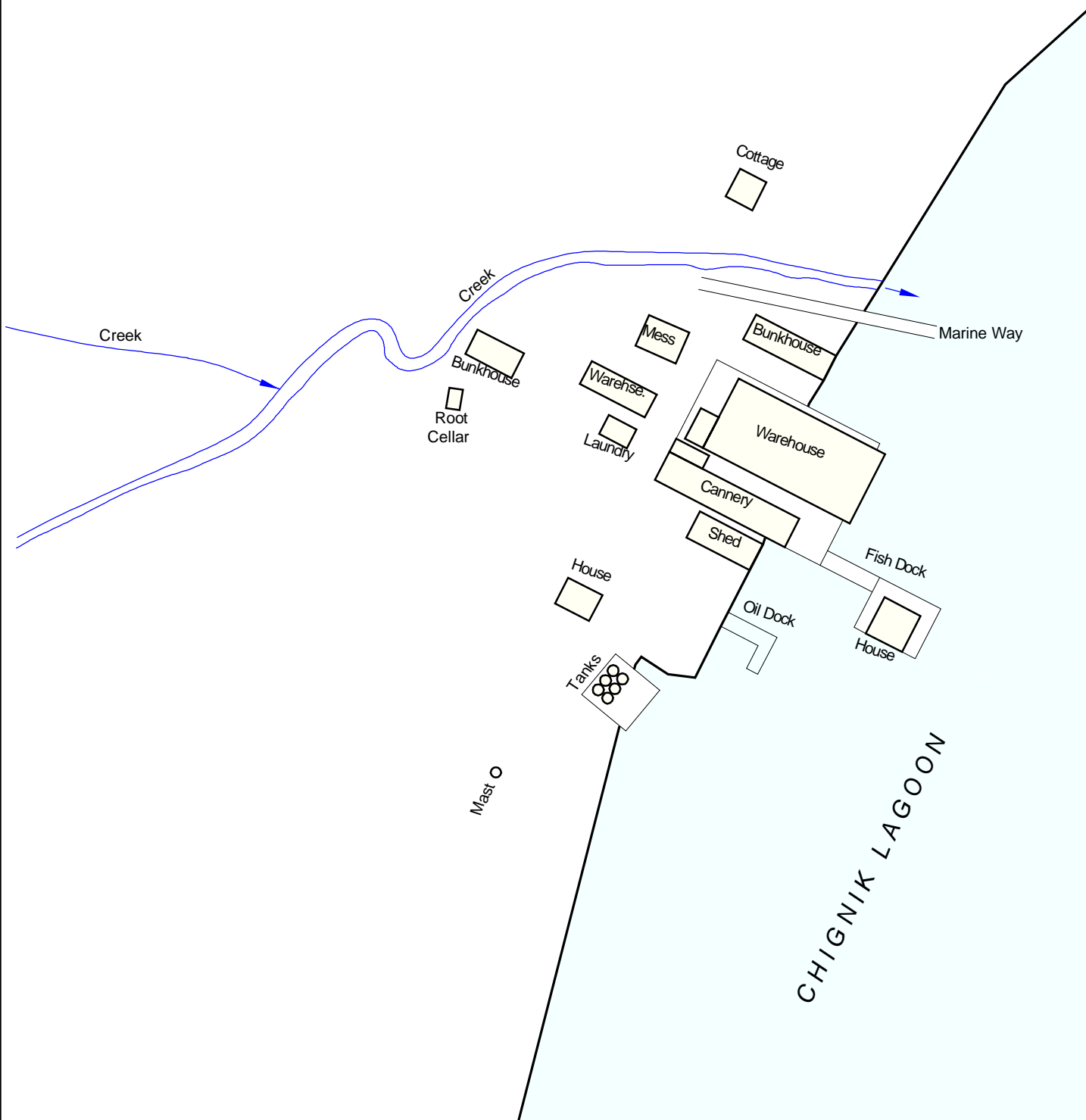
Source: USGS 7.5-minute quadrangle.

Chignik Lagoon Alaska	
Site Vicinity Map	
8969-04	6/07
	Figure 1

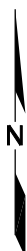


Source: Aerial Photograph.


Chignik Lagoon Alaska	
CWF Facility Configuration - Current	
8969-04	6/07
	Figure 2

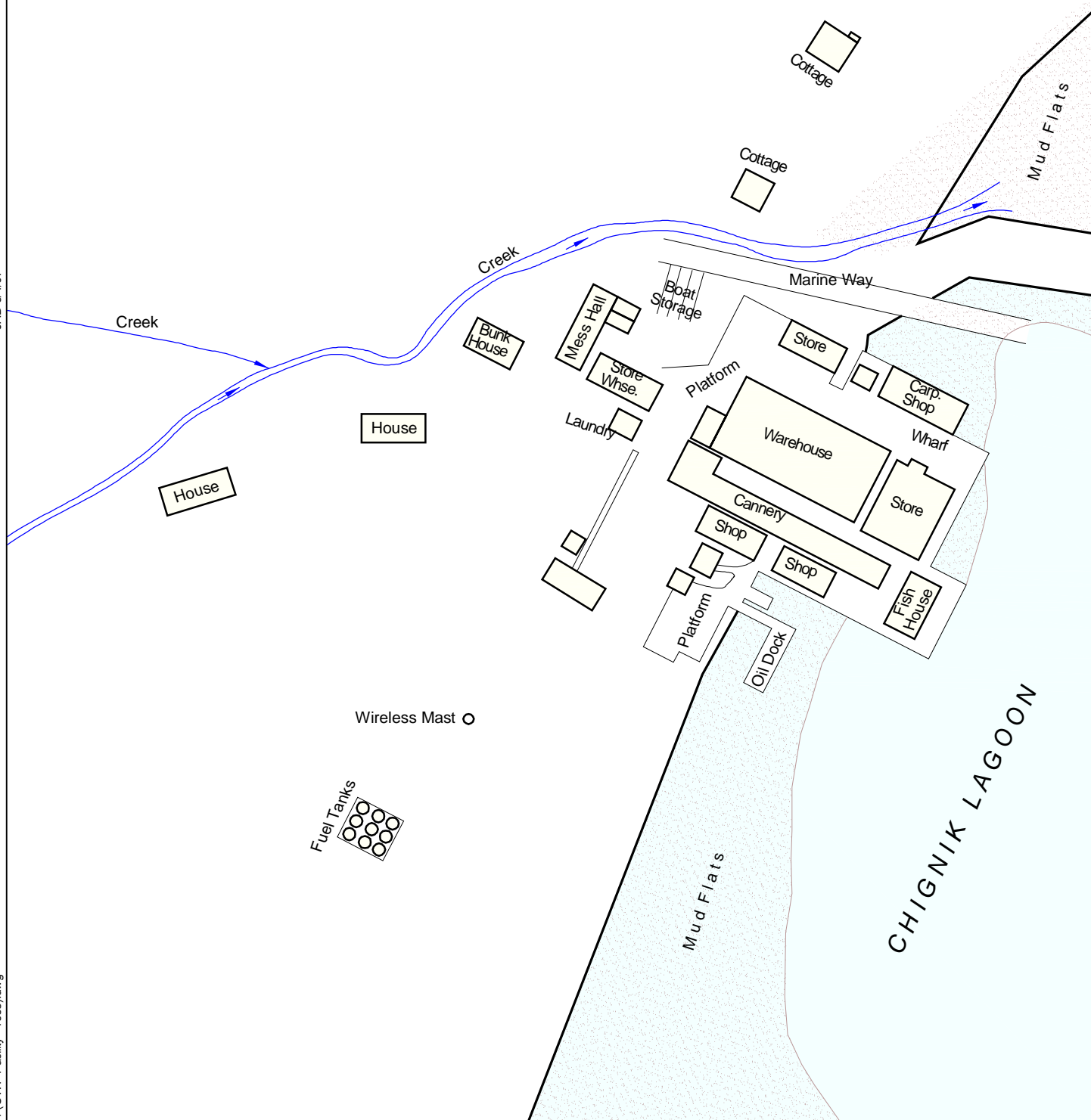


0 100 200
Approximate Scale in Feet




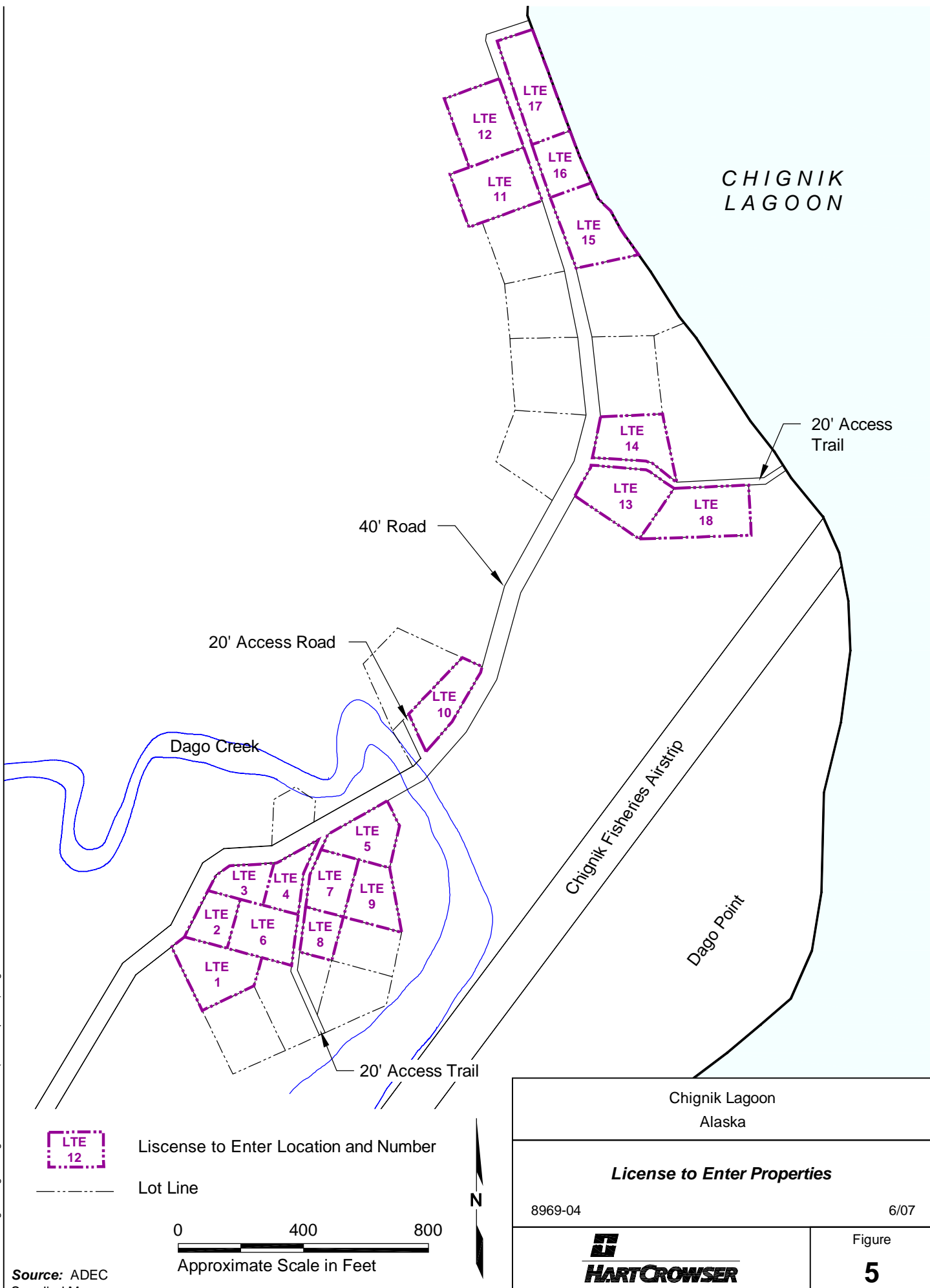
Source: U.S. Survey No. 2715, 1946.

Chignik Lagoon Alaska	
CWF Facility Configuration - 1946	
8969-04	6/07
 HARTCROWSER	Figure 3



Source: Alaska Tidelands Survey No. 157, 1963.

Chignik Lagoon Alaska	
CWF Facility Configuration - 1963	
8969-04	6/07
	Figure 4



APPENDIX A
EDR REGULATORY AGENCY REVIEW REPORT



The EDR Radius Map with GeoCheck®

**PO Box 169
PO Box 169
CHIGNIK LAGOON, AK 00003**

Inquiry Number: 1874824.2s

March 09, 2007

The Standard in Environmental Risk Management 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

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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

PO BOX 169
CHIGNIK LAGOON, AK 00003

COORDINATES

Latitude (North):	56.317900 - 56° 19' 4.4"
Longitude (West):	158.587600 - 158° 35' 15.4"
Universal Tranverse Mercator:	Zone 4
UTM X (Meters):	525509.8
UTM Y (Meters):	6241325.0
Elevation:	17 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

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

EXECUTIVE SUMMARY

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

STATE AND LOCAL RECORDS

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

TRIBAL RECORDS

INDIAN RESERV	Indian Reservations
INDIAN LUST	Leaking Underground Storage Tanks on Indian Land
INDIAN UST	Underground Storage Tanks on Indian Land

EDR PROPRIETARY RECORDS

Manufactured Gas Plants... EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were not identified.

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

EXECUTIVE SUMMARY

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

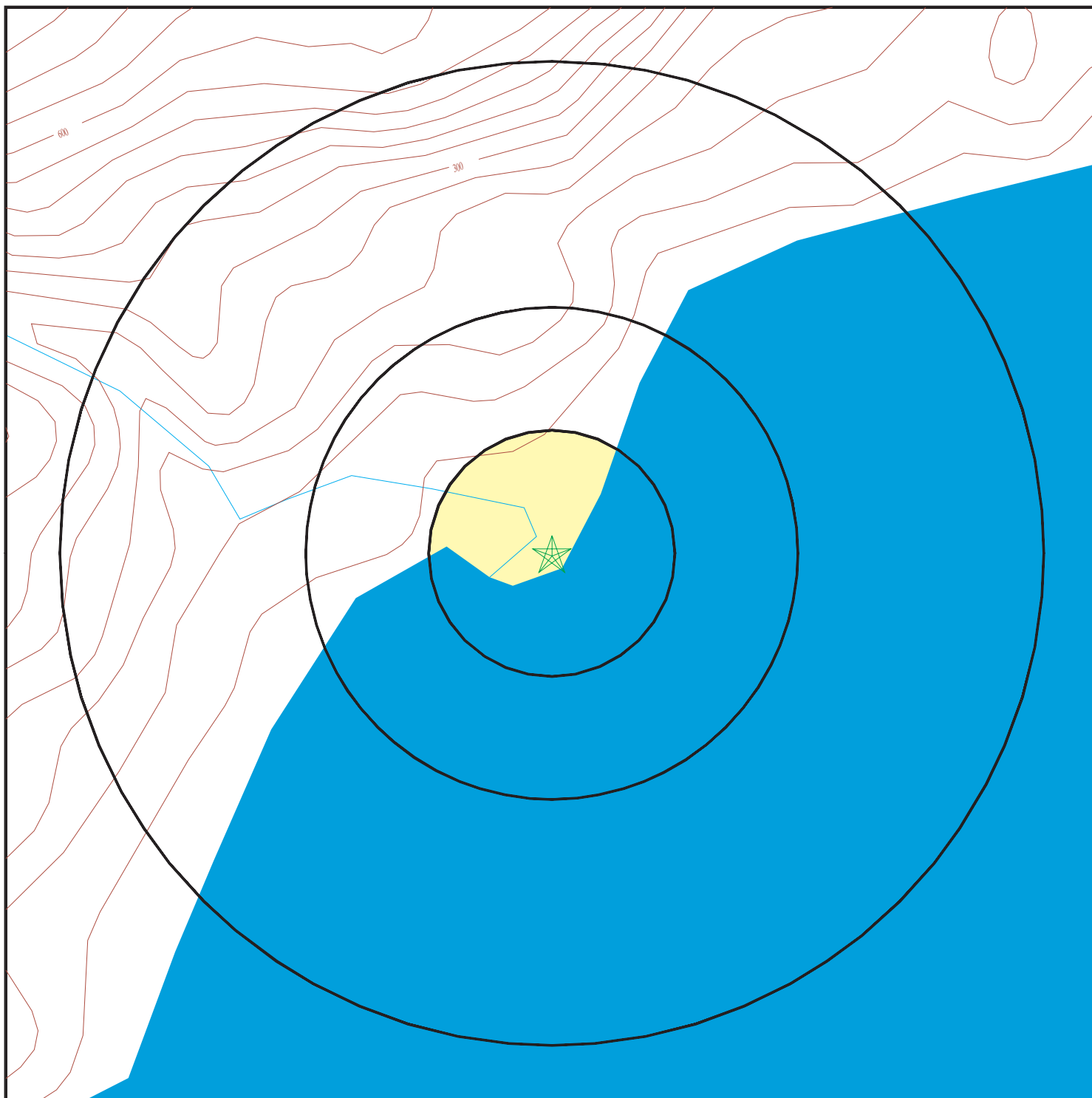
Site Name

CHEVRON USA, INC. 3075

Database(s)

RCRA-SQG, FINDS

OVERVIEW MAP - 1874824.2s



- ★ 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

0 1/4 1/2 1 Miles

Indian Reservations BIA

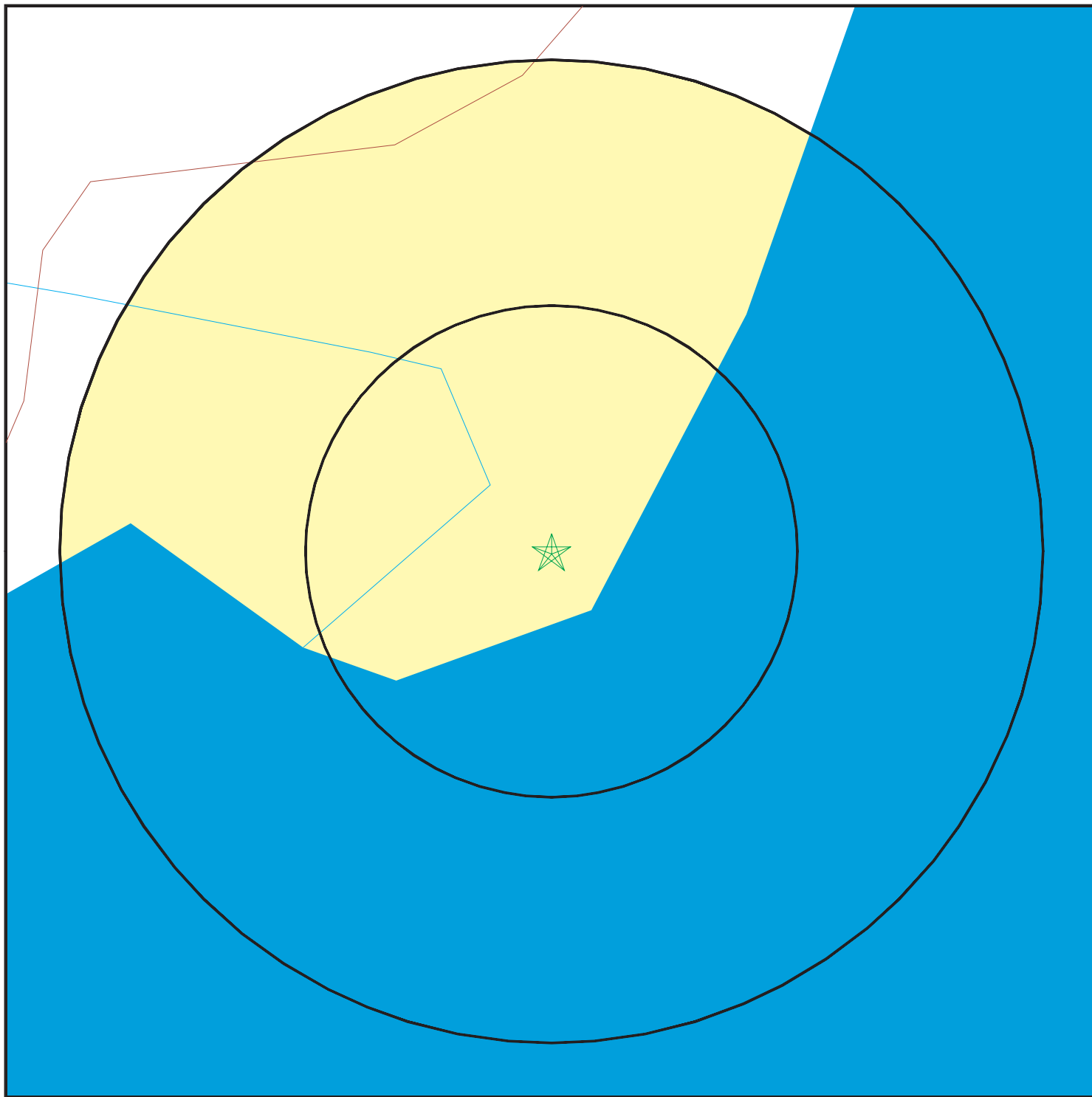


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: PO Box 169
 ADDRESS: PO Box 169
 CHIGNIK LAGOON AK 00003
 LAT/LONG: 56.3179 / 158.5876

CLIENT: Hart Crowser, Inc.
 CONTACT: Rick Raymond
 INQUIRY #: 1874824.2s
 DATE: March 09, 2007 6:02 pm

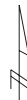
DETAIL MAP - 1874824.2s



- ★ 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

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: PO Box 169
 ADDRESS: PO Box 169
 CHIGNIK LAGOON AK 00003
 LAT/LONG: 56.3179 / 158.5876

CLIENT: Hart Crowser, Inc.
 CONTACT: Rick Raymond
 INQUIRY #: 1874824.2s
 DATE: March 09, 2007 6:02 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
<u>FEDERAL RECORDS</u>								
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	0	NR	0
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
<u>STATE AND LOCAL RECORDS</u>								
State Haz. Waste		1.000	0	0	0	0	NR	0
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	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
<u>TRIBAL RECORDS</u>								
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
<u>EDR PROPRIETARY RECORDS</u>								
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

NO SITES FOUND

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
OLIVE BRANCH	1000994134	CHEVRON USA, INC. 3075	HIGHWAY 78 & DEPOT STREET	00003	RCRA-SQG, FINDS

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: 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: 01/31/2007
Number of Days to Update: 21	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: 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: 01/31/2007
Number of Days to Update: 21	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: 02/19/2007
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: 12/19/2006
Number of Days to Update: 41	Next Scheduled EDR Contact: 03/19/2007
	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: 12/18/2006
Number of Days to Update: 29	Next Scheduled EDR Contact: 03/19/2007
	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: 12/31/2005	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/12/2006	Telephone: 202-260-2342
Date Made Active in Reports: 02/21/2006	Last EDR Contact: 01/24/2007
Number of Days to Update: 40	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: 12/11/2006
Number of Days to Update: 54	Next Scheduled EDR Contact: 03/12/2007
	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: 01/22/2007
Number of Days to Update: 34	Next Scheduled EDR Contact: 04/02/2007
	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: 12/18/2006
Number of Days to Update: 82	Next Scheduled EDR Contact: 03/19/2007
	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: 12/19/2006
Number of Days to Update: 62	Next Scheduled EDR Contact: 03/19/2007
	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: 12/18/2006
Number of Days to Update: 26	Next Scheduled EDR Contact: 03/19/2007
	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: 12/18/2006
Number of Days to Update: 26	Next Scheduled EDR Contact: 03/19/2007
	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: 12/11/2006
Number of Days to Update: 31	Next Scheduled EDR Contact: 03/12/2007
	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: 12/27/2006
Next Scheduled EDR Contact: 03/12/2007
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: 12/13/2006
Next Scheduled EDR Contact: 03/12/2007
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: 12/13/2006
Next Scheduled EDR Contact: 03/12/2007
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: 01/09/2007
Next Scheduled EDR Contact: 03/12/2007
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	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 01/29/2007	Telephone: 907-465-5242
Date Made Active in Reports: 02/22/2007	Last EDR Contact: 01/29/2007
Number of Days to Update: 24	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	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 01/19/2007	Telephone: 907-465-5301
Date Made Active in Reports: 02/22/2007	Last EDR Contact: 01/19/2007
Number of Days to Update: 34	Next Scheduled EDR Contact: 03/12/2007
	Data Release Frequency: Quarterly

Inst Control: Contaminated Sites with Institutional Controls

Contaminated sites that have institutional controls.

Date of Government Version: 12/11/2006	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 12/20/2006	Telephone: 907-269-3063
Date Made Active in Reports: 01/17/2007	Last EDR Contact: 12/11/2006
Number of Days to Update: 28	Next Scheduled EDR Contact: 03/12/2007
	Data Release Frequency: Semi-Annually

VCP: Voluntary Cleanup Program sites

Sites involved in the Voluntary Cleanup Program.

Date of Government Version: 12/11/2006	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 12/11/2006	Telephone: 907-451-2182
Date Made Active in Reports: 12/21/2006	Last EDR Contact: 12/11/2006
Number of Days to Update: 10	Next Scheduled EDR Contact: 03/12/2007
	Data Release Frequency: Varies

DRYCLEANERS: Drycleaner Facility Listing

A listing of drycleaning facilities in Alaska.

Date of Government Version: 02/15/2006	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 02/16/2006	Telephone: 907-269-7577
Date Made Active in Reports: 03/15/2006	Last EDR Contact: 01/22/2007
Number of Days to Update: 27	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	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 10/09/2006	Telephone: 907-451-2166
Date Made Active in Reports: 10/19/2006	Last EDR Contact: 12/15/2006
Number of Days to Update: 10	Next Scheduled EDR Contact: 03/12/2007
	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: 09/13/2006
Next Scheduled EDR Contact: 12/11/2006
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: 02/26/2007
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: 11/09/2006
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 12/21/2006
Number of Days to Update: 41

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

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

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[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

PO BOX 169
PO BOX 169
CHIGNIK LAGOON, AK 00003

TARGET PROPERTY COORDINATES

Latitude (North):	56.31790 - 56° 19' 4.4"
Longitude (West):	158.5876 - 158° 35' 15.4"
Universal Transverse Mercator:	Zone 4
UTM X (Meters):	525509.8
UTM Y (Meters):	6241325.0
Elevation:	17 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).

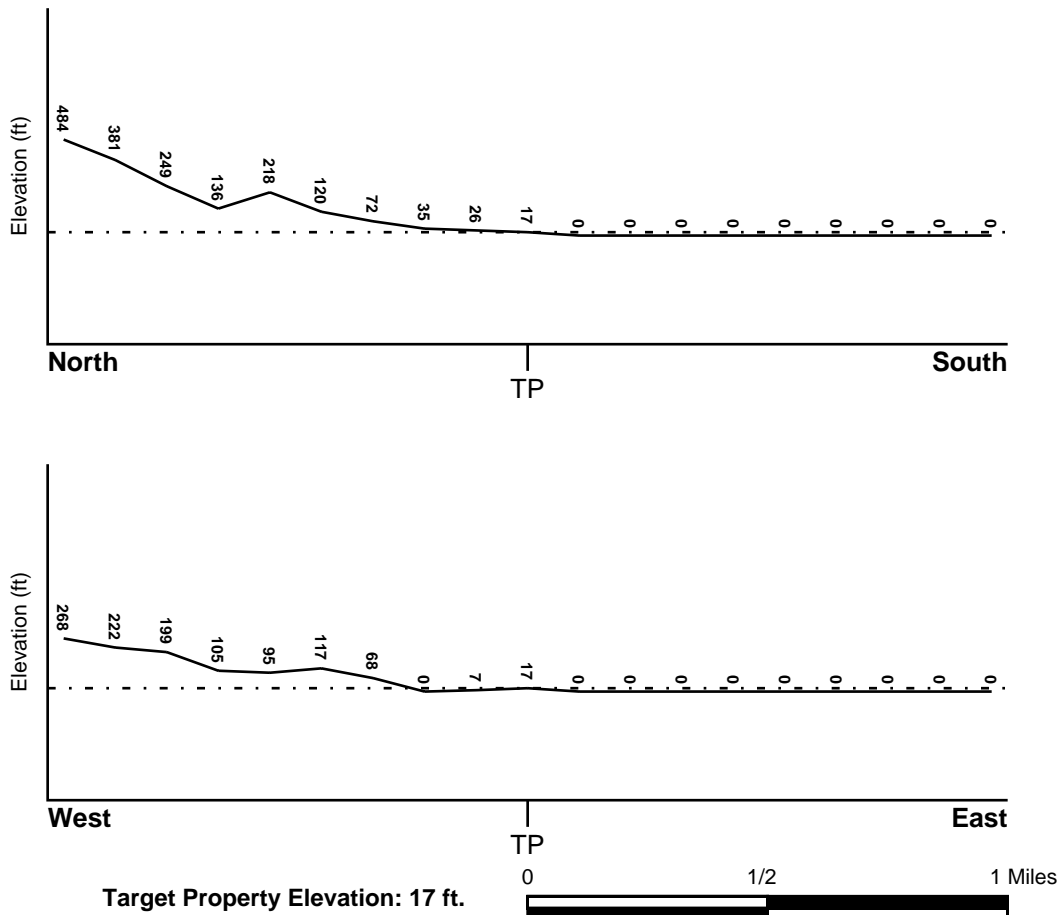
TOPOGRAPHIC INFORMATION

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 South

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>
LAKE_AND_PENINSULA, AK	Not Available

Flood Plain Panel at Target Property:	Not Reported
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Additional Panels in search area:	Not Reported
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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.

No detail available.

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>
No Wells Found		

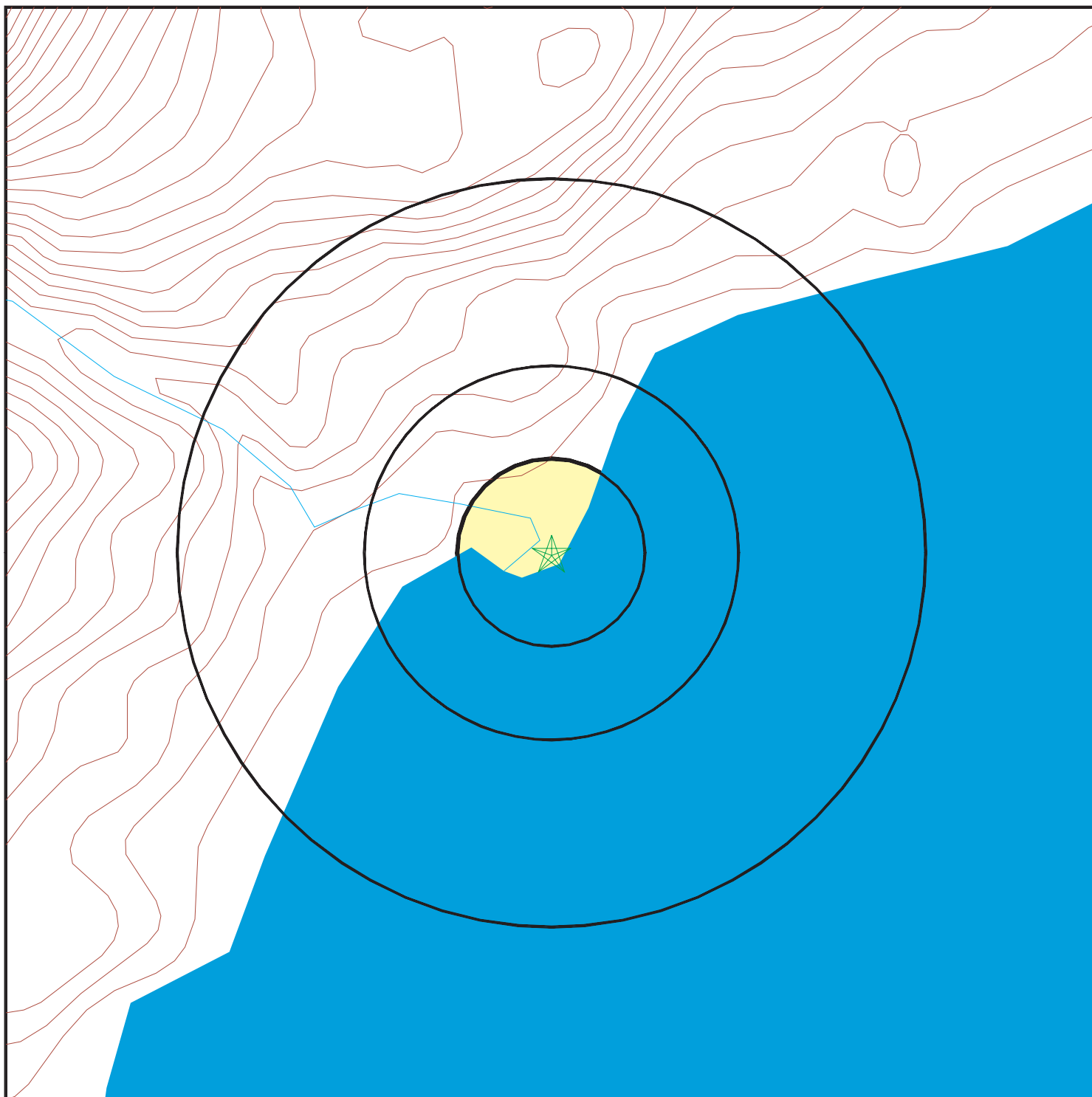
GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

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

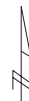
PHYSICAL SETTING SOURCE MAP - 1874824.2s



- 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: PO Box 169
 ADDRESS: PO Box 169
 CHIGNIK LAGOON AK 00003
 LAT/LONG: 56.3179 / 158.5876

CLIENT: Hart Crowser, Inc.
 CONTACT: Rick Raymond
 INQUIRY #: 1874824.2s
 DATE: March 09, 2007 6:03 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for LAKE AND PENINSULA 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.

Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

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

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 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^R Information System

Source: EDR proprietary database of groundwater flow information

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

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

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

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

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

SSURGO: Soil Survey Geographic Database

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

Telephone: 800-672-5559

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

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

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

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

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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APPENDIX B AERIAL PHOTOGRAPHS

1963 Aerial Photograph
CWF Facility
Chignik Lagoon, Alaska



1981 Aerial Photograph
CWF Facility
Chignik Lagoon, Alaska



APPENDIX C

SELECTED SITE PHOTOGRAPHS



Photograph 1: CWF Facility looking north.



Photograph 2: CWF Facility looking south.



Photograph 3: CWF Facility, dock area.



Photograph 4: CWF Facility, uplands area. The two tank farms are visible on the ridge above the other buildings (view to south).



Photograph 5: CWF Facility, southern boat storage rack (view to northeast).



Photograph 6: CWF Facility docks (view to north).



Photograph 7: CWF Facility, docks (view to southwest).



Photograph 8: CWF Facility, main dock and store.



Photograph 9: The original tank farm. Note AST located off in the brush (view to south).



Photograph 10: Second tank farm. Fuel pipeline and water pipeline are visible in lower left corner of photograph (view to south).



Photograph 11: Orange-colored beach seep. Located near north end of southern boat storage rack.



Photograph 12: Closer view of orange-colored seep. This seep was present in 2002.



Photograph 13: Dumpsite located northwest of the CWF Facility (view to northeast).



Photograph 14: Face of the waste deposit (view to east).



Photograph 15: Dumpsite in stream valley. Dago creek is visible near the center of the photograph. (view to northeast).



Photograph 16: Face of dumpsite waste pile (view to south).



Photograph 17: License to Enter (LTE) properties. These houses are on the southern grouping of lots (view to southwest).



Photograph 18: Another view of houses on the southern group of LTE properties (view to northeast).



Photograph 19: Southern group of LTE properties (view to east).



Photograph 20: Generator shed on LTE property.



Photograph 21: Generator shed with drums and other debris.



Photograph 22: Generator shed with lead-acid batteries, drums, and buckets.



Photograph 23: Northern grouping of LTE properties (view to northwest).



Photograph 24: Northern group of LTE properties (viewed to south).