



KAWERAK, INC.
Our People & Tribes are Thriving

ADEC Contaminated Site
ID 610-38-003
Hazard ID 3101

**Phase I Environmental
Site Assessment
Native Corporation Tank Farm
2nd Avenue and Cottonwood Street
Koyuk, Alaska**

 **NewFields**
OCTOBER 2022



Phase I Environmental Site Assessment

Native Corporation Tank Farm
2nd Avenue and Cottonwood Street
Koyuk, Alaska 99753
AK DEC Contaminated Site ID 610.38.003
AK DEC Hazard ID 3101

Prepared for:

*Kawerak, Inc.
Environmental Program
P.O. Box 948
Nome, AK 99762*

Prepared by:

*NewFields Environmental & Permitting, LLC
700 SW Higgins Avenue, Suite 15
Missoula, MT 59803*



October 2022
Project 350.00735.000



TABLE OF CONTENTS

Executive Summary.....	iii
1.0 Introduction	1
1.1 Purpose	1
1.2 Reason for Performing ESA	2
1.3 Scope of Services.....	2
1.4 Exclusions	2
1.5 Significant Assumptions	2
1.6 Assumptions, Limitations and Exceptions.....	3
1.7 Special Terms and Conditions (User Reliance).....	4
2.0 Site Description	5
2.1 Location and Legal Description	5
2.2 Site and Vicinity General Characteristics	5
2.2.1 General Site Setting	5
2.2.2 Geology, Hydrogeology and Soils.....	5
2.3 Current and Past Uses of the Subject Property	5
3.0 Information Provided by User.....	6
3.1 Purpose of ESA.....	6
3.2 Specialized Knowledge.....	6
3.3 Environmental Lien Search and/or Activity and Use Limitations.....	7
3.4 Commonly Known or Reasonably Ascertainable Information.....	7
3.5 Value Reduction for Environmental Issues	7
3.6 Property Owner Information	7
3.7 Other	7
4.0 Records Review	8
4.1 Standard Environmental Resources.....	8
4.1.1 On Site.....	8
4.1.2 Off Site	8
4.2 Historical Information	9
4.2.1 Historical Aerial Photographs	9
4.2.2 Historical Topographic Maps	10



5.0 Site Visit.....	11
5.1 Methodology and Limiting Conditions.....	11
5.2 On-Site Observations	11
5.3 Surrounding Properties.....	12
6.0 Interviews.....	13
7.0 Data Gaps & Deviations	14
8.0 Findings	15
9.0 Environmental Professional Statement & Signature	16
10.0 References	17

LIST OF FIGURES

Figure 1	Location Map
Figure 2	Vicinity Map
Figure 3	Site Map

LIST OF TABLES

Table 1	Key Dates Associated with Phase I ESA
---------	---------------------------------------

LIST OF APPENDICES

Appendix A	Background Information
Appendix B	Well Logs
Appendix C	Database Report
Appendix D	Aerial Photographs
Appendix E	Topographic Maps
Appendix F	Field Notes and Photographs
Appendix G	Interview Notes
Appendix H	Environmental Professional Qualifications (Resume)



EXECUTIVE SUMMARY

This report presents results of a Phase I Environmental Site Assessment (ESA) for the Native Corporation Tank Farm in Koyuk, Alaska (subject property). NewFields Environmental & Permitting, LLC (NewFields) completed this ESA on behalf of Kawerak, Inc. (Kawerak) of Nome, Alaska. This ESA was conducted in accordance with the ASTM International (ASTM) E1527-21 - Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (Standard) (ASTM, 2021).

The 2021 Standard replaces the 2013 version, ASTM E1527-13, which complies with U.S. Environmental Protection Agency (EPA) All Appropriate Inquiries (AAI) Final Rule (40 Code of Federal Regulations (CFR) 312). When the EPA ratifies ASTM E1527-21 (expected by the end of 2022), the new Standard will comply with the AAI Final Rule. The 2021 Standard is generally more rigorous than E1527-13.

To complete the Phase I ESA, NewFields reviewed historical documents, photographs, maps, government records, and environmental database search report. We interviewed individuals with knowledge of the subject property. NewFields also completed a site visit and visual survey of the subject property and adjoining properties.

Review of the above information identified the following Recognized Environmental Conditions (RECs) for the subject property:

- Historical use of the subject property as a petroleum storage tank farm;
- Indications of historical petroleum releases on the subject property;
- Confirmed petroleum contamination in soil;
- The presence of solid and/or liquid wastes (e.g., aboveground storage tanks and drums); and
- The nearby former Koyuk Weather Station.

NewFields recommends that Kawerak develop a Sampling and Analysis Plan (SAP) for a Phase II ESA. Such an assessment will help evaluate the 1) current condition of the subject property; 2) extent and severity of potential impacts to subsurface soil and groundwater at the site; and 3) possible cleanup options.



1.0 INTRODUCTION

This report presents results of a Phase I Environmental Site Assessment (ESA) for the Native Corporation Tank Farm located in Koyuk, Alaska (subject property; **Figures 1** through **3**). NewFields completed this ESA on behalf of Kawerak, Inc. (Kawerak) of Nome, Alaska. This ESA was conducted in accordance with the ASTM International (ASTM) E1527-21 - Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (Standard) (ASTM, 2021).

The 2021 Standard replaces the 2013 version, ASTM E1527-13, which complies with U.S. Environmental Protection Agency (EPA) All Appropriate Inquiries (AAI) Final Rule (40 Code of Federal Regulations (CFR) 312). When the EPA ratifies ASTM E1527-21 (expected by the end of 2022), the new Standard will comply with the AAI Final Rule. The 2021 Standard is generally more rigorous than E1527-13.

1.1 PURPOSE

The purpose of the Phase I ESA is to compile and review available information about the subject property, adjoining properties, and properties in the immediate vicinity to identify *Recognized Environmental Conditions* (RECs) to the extent feasible pursuant to ASTM E1527-21. According to the ASTM Standard, a REC is defined as:

"(1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment..."

The term includes hazardous substances or petroleum products even under conditions in compliance with environmental laws. The term is not intended to include *de minimis* conditions related to a release or releases that generally do not present a threat to public health or the environment, and that generally would not be the subject of an enforcement action if brought to the attention of appropriate regulatory agencies.¹

In accordance with the ASTM Standard, NewFields reviewed readily available information in the preparation of this Phase I ESA to assist in determining whether one or more (1) RECs, (2) historical recognized environmental conditions (HRECs), (3) controlled recognized environmental conditions (CRECs), and/or (4) *de minimis* conditions exists at the subject property.

A HREC is defined as:

"a previous release of hazardous substances or petroleum products affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or

¹ The AAI Final Rule applies to "...conditions indicative of releases and threatened releases of hazardous substances... (and) petroleum or petroleum products which are excluded from the definition of hazardous substance..." (40 CFR 312.1).



authorities without subjecting the subject property to any controls (for example, activity and use limitations or other property use limitations)... a historical recognized environmental condition is not a recognized environmental condition.”

A CREC is defined as:

“a recognized environmental condition affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to implementation of required controls (for example, activity and use limitations or other property use limitations).”

1.2 REASON FOR PERFORMING ESA

Kawerak commissioned this Phase I ESA to evaluate environmental conditions at the subject property. Members of the Koyuk community have expressed concerns related to potential human health and environmental impacts from current and previous uses of the subject property.

1.3 SCOPE OF SERVICES

The scope of services for this Phase I ESA included the following tasks:

- Site visit and visual observation of the subject property and adjoining property conditions for indications of releases or threats of releases of hazardous substances and/or petroleum products;
- Review of federal and state environmental database information concerning petroleum and hazardous chemical storage and use, as available;
- Review of historical reports and correspondence related to the subject property;
- Review of historical resources, including aerial photographs and historical maps; and
- Preparation of this Phase I ESA report.

1.4 EXCLUSIONS

The following were not included as part of the Phase I ESA for the subject property:

- Collection and analysis of soil, air (including radon), water, or building material samples;
- Surveys for lead-based paint (LBP), asbestos-containing materials (ACM), or mold;
- Reconnaissance of polychlorinated biphenyls (PCBs) in light fixtures or electrical transformers;
- Wetland delineation;
- Threatened and endangered species survey;
- Chain-of-title search;
- Environmental lien search; and
- Cultural or historic surveys.

1.5 SIGNIFICANT ASSUMPTIONS

Site-specific groundwater data were not available during completion of this Phase I ESA. NewFields assumes that on-site groundwater flows to the south toward the Koyuk River and Koyuk Inlet.



1.6 ASSUMPTIONS, LIMITATIONS AND EXCEPTIONS

NewFields prepared this Phase I ESA using reasonable efforts to identify RECs associated with hazardous substances and/or petroleum products at or near the subject property consistent with guidance described in the ASTM Standard. Within limitations of the agreed-upon scope of work and the ASTM Standard, this assessment has been conducted in a professional manner in accordance with generally accepted practices, using the degree of skill and care ordinarily exercised by environmental consultants under similar circumstances. No other warranties, expressed or implied, are made.

Reasonable efforts have been made to assess the entire subject property. *Reasonable efforts* are limited to information gained from visual observations of largely unobstructed areas through vehicle driving and/or walking, recorded database information held in public records, and available information obtained during interviews.

This report does not constitute legal advice, nor does NewFields make any determination or recommendations regarding the decision to purchase, sell, acquire, or provide financing for the subject property.

Time Constraint

The opinions and conclusions presented in this report are based on site conditions observed and information reviewed at the time of completion of the individual ESA elements. Information pertaining to site conditions or changes may exist of which we are unaware, or which we have not had the opportunity to evaluate within the time available for this ESA.

Uncertainty Not Eliminated

Per the ASTM Standard, no ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. Use of the ASTM Standard is intended to reduce, but not eliminate, this uncertainty. Due to physical limitations inherent to this or any environmental assessment, NewFields does not warrant the subject property is free of pollutants or that all pollutants have been identified. This report is not definitive and should not be assumed to be a complete or specific definition of all conditions above or below grade. Some features may have been hidden from plain view during site reconnaissance due to snow cover, pavement, construction or debris pile storage, and/or other obstructions. Subsurface conditions may differ from the conditions implied by surface observations and can only be evaluated reliably through intrusive techniques. As such, no absolute determination of environmental risks is made. NewFields makes no representation or warranty that past or current operations at the subject property are or have complied with applicable federal, state, and local laws, regulations, and/or codes.

Reliance on Information Provided by Others

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



The regulatory database report provided herein is based on an evaluation of data collected and compiled by a subcontracted data research company in accordance with the ASTM Standard. The focus of the database review is on the subject property and neighboring properties. The database report identifies sites that may impact the subject property and that are also 1) located within specified search distances from the subject property, and 2) listed on government databases. The information provided in the regulatory database report is assumed to be correct and complete unless obviously contradicted by field observations and/or other reviewed resources.

Regardless of the findings of this report, NewFields is not responsible for consequences or conditions arising from facts that were concealed, withheld, or not fully disclosed at the time the assessment was conducted. This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not investigated.

1.7 SPECIAL TERMS AND CONDITIONS (USER RELIANCE)

NewFields prepared this Phase I ESA report for Kawerak. The rights of Kawerak are bound by the provisions of its Client Services Agreement with NewFields. Kawerak may release this report to other parties; however, such third party in using this report agrees that it shall have no legal recourse against NewFields, its parent, or its subsidiaries. Neither NewFields nor any of its affiliates, nor any of their respective past, present or future members, managers, employees, agents, representatives, advisors, subcontractors or controlling persons (collectively the “NewFields Parties”) shall have any liability to any person or entity asserting claims on behalf of or in the right of Kawerak related to or arising out of this report or any actions taken or omitted to be taken by any of the NewFields Parties in connection therewith. This report may not be submitted, distributed, or filed, in whole or in part, by Kawerak to or with any party, governmental agency or regulatory body or authority, or summarized or quoted from, in each instance, without the prior review and written approval of NewFields. No party shall rely on this report without the written consent from NewFields.

A Phase I ESA whose elements are less than 180 days old is considered valid. Phase I ESA elements typically include a site inspection, interviews, records review, environmental lien search (if applicable), and Environmental Professional declaration. **Table 1** below identifies key dates associated with this Phase I ESA. Any party relying on any finding in this report 180 days from the date of its earliest element does so at its own risk.

Table 1. Key Dates Associated with Phase I ESA

Report Element	Date Published/Conducted
Interview	July 13, 2022
Records review	September 27, 2022
Site visit	July 13, 2022
Environmental professional declaration and certification	October 27, 2022



2.0 SITE DESCRIPTION

2.1 LOCATION AND LEGAL DESCRIPTION

The subject property is located at the southwest corner of the intersection of Cottonwood Street and 2nd Ave in Koyuk, Nome Census Area, Alaska (**Figures 1 and 2**). The approximate latitude and longitude of the subject property in decimal degrees are 64.92993° North, -161.163340° West, respectively. The subject property is located at an elevation of approximately 30 feet above mean sea level and comprises two legal land parcels encompassing a total area of approximately 11,300 square feet (0.25 acres; **Figure 3**). Based on a Community Map of Koyuk (**Appendix A**), the legal description for the parcels is Koyuk 1993 Subdivision. Plot No. 94-09. Lots 8 and 9. The Alaska Department of Environmental Conservation (DEC) described the subject property's location as Lots eight (8) and nine (9), Block nine (9), Tract "C", as shown on the official plat of U.S. Survey 4390, Koyuk Townsite, in Section 31, Township 6 South, Range 12 West, Kateel River, within the Cape Nome Recording District (**Appendix A**).

2.2 SITE AND VICINITY GENERAL CHARACTERISTICS

2.2.1 General Site Setting

The subject property is located in a residential and commercial area on the west end of Koyuk. The property is partially vegetated, and contains a gravel-covered area, shipping containers, small sheds, and several large fuel storage tanks. The site is bordered by 2nd Avenue to the north and Cottonwood Street to the east (**Figure 3**). Residential properties lie to the south and west. The site is located approximately 300 feet north of Koyuk Inlet of the Pacific Ocean.

2.2.2 Geology, Hydrogeology and Soils

Koyuk lies at the mouth of the Koyuk River on Norton Sound of the Pacific Ocean. Metamorphic bedrock underlying the hills to the north of Koyuk include marble and schist (Till et al., 2010). The townsite is located on young colluvium and lagoonal deposits that may have formed in part by melting of permafrost. Ice-wedge polygonal patterned ground is also present in the area. The shoreline is composed of mixed gravels, sands, and silts (Riehle et al., 1981).

The Alaska Department of Natural Resources (DNR) Well Log Tracking System (WELTS) database contains records for 6 wells in the Koyuk area (DNR, 2022; **Appendix B**). Well depths range from 15 to 183 feet below ground surface (bgs) with an average depth of 80 feet bgs. Static water levels (SWL) for groundwater in the vicinity of the subject property range from 7 to 162 feet bgs. Well Log number 23498 is located about 700 feet to the north of the subject property and has a SWL of 8 feet bgs. NewFields assumes that shallow groundwater follows topography and flows to the south toward the Koyuk River and Koyuk Inlet.

Much of the soils of Alaska have not been mapped by the U.S. Department of Agriculture (USDA), including the Koyuk area. Based on the geology of the site, soils at the subject property are most likely sandy and gravelly.

2.3 CURRENT AND PAST USES OF THE SUBJECT PROPERTY

The subject property is currently vacant and unused (**Figure 3**). The site formerly served as a location for the storage of fuels for use in Koyuk.



3.0 INFORMATION PROVIDED BY USER

3.1 PURPOSE OF ESA

Kawerak commissioned this Phase I ESA to assess environmental conditions at the subject property. The community of Koyuk would like to return the subject property to a green space where people can gather traditional herbs and berries. However, residents are concerned about potential impacts to human health and the environment that could have originated from the former storage tank farm on the site.

3.2 SPECIALIZED KNOWLEDGE

Kawerak provided NewFields with a report by the Coastal Impact Assistance Program (CIAP), Waste Erosion Assessment and Review (WEAR) that details 2013 and 2014 trips to Koyuk (DEC 2014; **Appendix A**). The report includes six photographs of the subject property that show aboveground storage tanks (ASTs), miscellaneous debris, and cylinders. The site previously had five tanks including three vertical ASTs that had been removed and two horizontal ASTs that were situated above a partially torn black plastic liner (DEC 2014). (During the site visit (**Section 5.0**), NewFields also observed five ASTs. However, the vertical ASTs had been removed.) At the time of the WEAR report, the property was an active Contaminated Site (File ID 610.38.003). The report explained that the site had not been used since 2005 when a new consolidated tank farm was constructed on another site. The report noted the site's proximity to the Koyuk River which lies about 300 feet to the south.

Additionally, NewFields obtained records for the subject property from the DEC website (**Appendix A**). A site record report included a chronology of actions regarding the subject property, much of which is summarized in the EDR Database Report (**Section 4.1**). The DEC assigned the subject property File Number 610.38.003 and Hazard ID 3101.

DEC issued a Notice of Environmental Contamination (NEC) to the Koyuk Native Corporation (KNC) on April 9, 2015, informing KNC that the release identified in 2001 had contaminated soil at concentrations above the default migration to groundwater cleanup levels. The extent of soil contamination remains undefined, and DEC implemented the following institutional controls:

1. Report to DEC if land uses change;
2. Receive approval for any groundwater wells installed at the site;
3. Receive approval to transport soil or groundwater offsite; and
4. Movement or use of contaminated soil or groundwater in a manner that violates an Alaska state code is prohibited.

The NEC will remain in place until a written determination from DEC is recorded that soil and groundwater at the subject property meets the most stringent cleanup levels and that offsite transportation of soil and groundwater is not a concern.

DEC issued NEC reminder letters to KNC in April 2016, May 2017, June 2018, June 2019, and May 2022 (**Appendix A**).



A DEC site report (**Appendix A**) documented several fuel releases on the subject property in the 1980s and 1990s. The U.S. Coast Guard issued violations to KNC due to lack of secondary containment of the fuel tanks. Several soil samples from 2001 exhibited elevated concentrations of benzene and diesel range organics. NewFields believe that, based on available information, groundwater at the site could be impacted.

3.3 ENVIRONMENTAL LIEN SEARCH AND/OR ACTIVITY AND USE LIMITATIONS

NewFields is not aware of any environmental liens or Activity and Use Limitations (AULs) that exist for the subject property. No other information was provided to NewFields regarding environmental liens or AULs.

3.4 COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION

The DEC issued a letter to Kawerak on August 5, 2022 (DEC 2022) indicating that the site was eligible to receive Brownfields funds from the U.S. EPA.

NewFields reviewed several historical maps of the community of Koyuk (**Appendix A**). A 1980 Department of Community and Regional Affairs (DCRA) map showed that the site contained one AST labeled “Village gasoline tank” (DCRA 1980). By 1996, a “fuel pump house” was located on the subject property along with three large vertical storage tanks (Kawerak 1996). As of 2004, the three large vertical tanks were still present (Kawerak 2005a, 2005b, 2005c); **Figure 3**). At that time, seven or eight unlabeled rectangular polygons are noted on the site; some of these were probably horizontal fuel tanks.

3.5 VALUE REDUCTION FOR ENVIRONMENTAL ISSUES

NewFields was not provided an appraisal or selling price for the subject property. Therefore, a selling price-to-value comparison was not performed as part of this Phase I ESA. A valuation reduction due to perceived environmental issues may affect the property; however, a list of values for similar properties in the area without perceived environmental problems was not developed. Therefore, NewFields did not determine a quantifiable reduction in the value of the subject property.

3.6 PROPERTY OWNER INFORMATION

The property owner could not be determined with certainty prior to the issuance of this Phase I ESA. The site is owned either by the KNC or the City of Koyuk.

3.7 OTHER

NewFields did not receive any other information from the user related to the subject property.



4.0 RECORDS REVIEW

The records reviewed for this Phase I ESA included standard environmental databases and readily available historical information for both the subject property and adjoining properties. The following sections summarize relevant information from these documents.

4.1 STANDARD ENVIRONMENTAL RESOURCES

NewFields retained Environmental Data Resources, Inc. (EDR) to search federal, state, and tribal environmental regulatory databases for properties with documented environmental releases and/or those that use, store, or dispose of regulated chemicals. EDR prepared the Radius Map Report (**Appendix C**; EDR 2022) by searching dozens of regulatory databases, including Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS), Underground Storage Tank (UST), Leaking Underground Storage Tank (LUST), Indian UST, Indian LUST, U.S. Brownfields, and Resource Conservation and Recovery Act (RCRA) hazardous waste databases.

Distances of the database searches were consistent with those listed in the ASTM Standard (ASTM, 2021). Descriptions of the ASTM databases that were searched and a list of the regulatory database results are presented in **Appendix C**. The information provided by EDR is limited to what has been reported or registered in each database. The information was used to evaluate existing conditions and to determine whether surrounding properties could potentially affect soil or groundwater conditions at the subject property. The EDR report returned a total of 15 environmental listings within a standard search distance of the subject property (see below for details).

4.1.1 On Site

EDR returned one listing for the subject property. The KNC Tank Farm has an address listed as John Charles Allotment Lot 9 and is an active State Hazardous Waste Site (File ID 610.38.003). The subject property is also known as Tank Farm 3 and is believed to have impacted adjacent properties. This site has reports of historical spills. Repeated complaints to the KNC reportedly did not result in cleanups or changes in operational practices at the facilities. An oil spill reportedly occurred in 1988 and a gasoline spill reportedly occurred in 1993. The US Coast Guard issued violation notices to the KNC in 1997 and 1999 for a lack of discharge containment and other requirements. In 1998, a US Bureau of Indian Affairs (BIA) scientist observed gasoline dripping from a line used for fueling boats that ran across the property to the south. Gasoline was observed leaking from tank joints in June 2001, and in September 2001 soil samples showed benzene and diesel-range organics contamination at the groundwater interface.

Indications of historical petroleum releases and confirmed petroleum contamination in soil on the site is considered a REC for the subject property.

4.1.2 Off Site

Of the 14 off-site listings identified by EDR, four are discussed below due to their proximity to the subject property (**Figure 2**). Other identified sites (**Appendix C**) are unlikely to be of environmental concern due to their distance from the subject property (more than 400 feet away). Most of these other sites are downgradient or cross-gradient of the subject property.



Koyuk Weather Station - This is a Formerly Used Defense Site (FUDS) that operated on the western edge of Koyuk from 1941 to 1945. The site reportedly lies approximately 230 feet west of the subject property in a cross-gradient direction. Two soil samples collected in 1998 showed low concentrations of diesel/motor oil and other organic chemicals that were below DEC cleanup levels. NewFields was unable to determine the exact location using available information. However, given the fact that the site was mapped in close proximity to the subject property, the weather station is considered a REC for the subject property.

Former Koyuk Alaska Village Electric Cooperative (AVEC) Power Plant - This site is listed as an active State Hazardous Waste Site (File ID 610.57.001) and a US Brownfields site. It is located approximately 600 feet to the northeast at 2nd Avenue and Spruce Street and is cross-gradient of the subject property. The tank farm operated beginning in 1969 and there was a reported release of 15 to 20 gallons of diesel fuel in 2001. A Targeted Brownfields Assessment conducted in 2012 found contaminated soil with concentrations above DEC's migration-to-groundwater (MTG) cleanup levels. There is no indication of ongoing cleanup efforts at the AVEC site. Given the distance of this site from the subject property, and its cross-gradient position, NewFields determined that the AVEC site does not constitute a REC for the subject property.

Koyuk Native Corporation - This is an EDR Historic Auto Station listing located at the corner of 2nd Avenue and Spruce Street, approximately 600 feet from the subject property. EDR revealed four Notice of Environmental Contamination listings from 1992 to 1998. Given the distance of this site from the subject property, and its cross-gradient position, NewFields determined that the site does not constitute a REC for the subject property.

Koyuk Tank Farm - This site is located northwest of the subject property. The EDR report lists this site three times as appearing in AST databases, but no additional information was provided. This site is the current location of the fuel tank farm for the community of Koyuk. NewFields was unable to locate the site in the DEC's Contaminated Sites Database. Given the distance of this site from the subject property, and the lack of any reported environmental concerns or violations, NewFields determined that the Koyuk Tank Farm site does not constitute a REC for the subject property.

4.2 HISTORICAL INFORMATION

NewFields obtained historical aerial photographs (**Appendix D**) and topographic maps (**Appendix E**) from EDR. These historical resources are discussed in detail below. NewFields did not review other standard historical sources of information (such as Sanborn Fire Insurance maps, building department records, property tax records, and zoning/land use records). We did not believe that this information would help identify RECs in connection with this rural subject property.

4.2.1 Historical Aerial Photographs

NewFields reviewed reasonably ascertainable historical aerial photographs for the subject property and the surrounding lands. EDR provided aerial photographs from 1950 and 1980 (**Appendix D**), the city map in **Appendix A** has imagery from 2004. Imagery from Google Earth was also reviewed for the years 2007 and 2019. NewFields collected aerial imagery during the July 2022 site visit (as seen on **Figures 2 and 3**).



In 1950 the town of Koyuk consisted of approximately twenty structures that extended northward (up the hill) from the shoreline. Two roads that ran to the northeast of the town are visible. The areas to the west and north of Koyuk were undeveloped land. By 1980 the airstrip was present to the north of town and about three dozen structures were present in Koyuk. The street pattern has changed since the 1980 photograph, and it is difficult to discern which structures are still present. The resolution of the EDR images precluded an evaluation of onsite features.

Koyuk grew slightly by 2004, including a road that extended to the southwest from the airport. **Appendix A** contains a map showing the boundaries of Lot 8 and Lot 9 on the subject property. A gravel area with tanks and shipping containers is visible on the east side of the subject property (Lot 8). The west side of the subject property (Lot 9) has three circular objects that are likely the tanks that have since been removed, as noted in the CIAP WEAR report (**Appendix A**). The former presence of vertical tanks is consistent with information presented in the various community maps discussed in **Section 3.4**.

The vertical tanks are depicted in the 2007 image but not in the 2019 image. July 2022 aerial imagery collected by NewFields depicts the southwestern part of Koyuk with a few dozen houses and other structures on gravel roads surrounded by vegetation. The east side of the subject property contains the large ASTs, storage containers, and other debris observed by NewFields during the site visit. The western half of the site is overgrown with vegetation except for the areas where the three vertical ASTs had previously been located (**Figure 3**).

Based on our review of aerial imagery, NewFields identified the current and former ASTs on the site as RECs.

4.2.2 Historical Topographic Maps

Reasonably ascertainable historical topographic maps for the subject property and the surrounding lands were reviewed from 1950, 1970, 1981, and 2014 (**Appendix E**). The 1950 map depicts a few dozen structures and a few roads at the Koyuk townsite on the shore of the Koyuk Inlet. In 1970 the airstrip is shown to the north of the town. No changes are evident on the 1981 map. More roads are depicted on the 2014 map, including Cottonwood Street and 2nd Avenue that border the subject property to the east and north. The maps confirm that the land surface slopes from the subject property down toward the Koyuk River and Koyuk Inlet.

NewFields did not identify any RECs for the subject property based on our review of historical topographic maps.



5.0 SITE VISIT

5.1 METHODOLOGY AND LIMITING CONDITIONS

Adam Johnson of NewFields visited the subject property on July 13, 2022, along with Kawerak staff. Mr. Johnson performed a visual reconnaissance of the subject property by walking the site and recording visual observations of current conditions. NewFields walked the perimeter and interior portions of the subject property and took photographs at various locations. Notes and photographs documenting property conditions observed during the site visit are included as **Appendix F**. NewFields was not able to view the interiors of some of the locked storage containers on the subject property which constitutes a minor access limitation. NewFields does not believe this limitation has a significant impact on the findings of this Phase I ESA. Some areas of the site were covered by thick vegetation which obscured our view of the ground surface.

5.2 ON-SITE OBSERVATIONS

The subject property is a former tank farm that lies in a residential and commercial area in the southwestern portion of Koyuk. The KNC office is located across the street to the north, the Koyuk Native Store and a residence are to the east, a former residence was observed to the south, and undeveloped land and a residential property are located to the west (**Figure 3**). The site is generally flat with a slight slope to the south toward the beach. Surface cover at the site comprises soil, rock, gravel, grasses, shrubs, and trees. Metamorphic bedrock was noted at the beach south of the site. NewFields did not observe surface water, sinkholes, mining activity, or groundwater on the subject property.

Structures observed include ASTs, several shipping containers, and sheds that contained solid wastes. NewFields observed five ASTs on the subject property ranging from a 100-gallon portable tank to two large tanks with capacities of approximately 5,000-10,000 gallons. The contents of the tanks could not be confirmed during the site visit.

The large ASTs were either empty or may have contained petroleum hydrocarbons. NewFields did not observe any stained soil around any of the tanks, but several areas were devoid of vegetation. The two large ASTs were resting on a partially torn black plastic liner that appeared to have been placed directly on bare soil. The large tanks were somewhat rusted and appeared in fair condition. A hydrocarbon odor was observed at the discharge piping of the western large tank. Possible AST piping was noted to the southwest of the large horizontal ASTs located onsite.

NewFields identified three smaller tanks in the southeastern portion of the site (**Figure 3**). These include a small portable trailer-mounted tank with a capacity of approximately 100 gallons, and a larger semi-portable blue tank of unknown capacity. Several drums and compressed gas cylinders that appeared empty were noted around the subject property; some of these had been partially buried. Several shipping containers, pallet containers, and sheds were present on the site. Some shipping containers were locked, while others contained various equipment, materials and supplies, and solid wastes.

NewFields did not observe any USTs, pools of liquid, potential PCB-containing items, stains, corrosion, drains, sumps, pits, ponds, lagoons, wastewater, stormwater, wells, septic systems, or sources of air emissions during the site visit.



The use of the site to store petroleum hydrocarbons, combined with indications of past releases, is considered a REC for the subject property.

5.3 SURROUNDING PROPERTIES

The surrounding properties (**Figure 3**) include residential properties to the south and east, tribal corporation buildings to the north and east, and a residence and undeveloped land to the west.



6.0 INTERVIEWS

During the site visit, Adam Johnson of NewFields interviewed local representatives about the subject property, including Tracey Kimoktoak, Oscar Anasogak, Morris Nakaruk, and Leo Charles. Interview notes are included as **Appendix G**. The interviews revealed the following information:

- The KNC Tank Farm started operating sometime in the 1980s and stopped operating in the 2000s.
- Jeanie Einfeldt is apparently the current owner of the site directly south of the subject property. Jeanie's grandfather reportedly filed a lawsuit against the KNC related to the subject property.



7.0 DATA GAPS & DEVIATIONS

NewFields has performed this Phase I ESA in general conformance with the scope and limitations of the ASTM Standard (ASTM, 2021) for Kawerak. Exceptions to or deviations from this practice (data gaps) include the following:

- The lack of information to document property land uses and history in 5-year increments is considered a data failure as defined by ASTM (2021). We believe that this exception is not likely to have a material impact on our findings and conclusions.
- The inability to identify property uses back to 1940 or the earliest developed use. Topographic maps show the Koyuk area beginning in 1950. This minor data gap is unlikely to have a material impact on our findings and conclusions.



8.0 FINDINGS

NewFields has performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E1527-21 at the Native Corporation Tank Farm in Koyuk, Alaska (subject property). Any exceptions to, or deletions from, this practice are described in **Section 7.0** of this report. To complete the Phase I ESA, NewFields reviewed photographs, maps, and government records; interviewed an individual with knowledge of the subject property; and obtained and reviewed regulatory database search reports. NewFields also completed a site visit and visual survey of the property.

Review of the above information identified the following RECs for the subject property:

- Historical use of the subject property as a petroleum storage tank farm;
- Indications of historical petroleum releases on the subject property;
- Confirmed petroleum contamination in soil;
- The presence of solid and/or liquid wastes (e.g., aboveground storage tanks and drums); and
- The nearby former Koyuk Weather Station.

NewFields recommends that Kawerak develop a Sampling and Analysis Plan (SAP) for a Phase II ESA. Such an assessment will help evaluate 1) the current condition of the subject property; 2) the extent and severity of potential impacts to subsurface soil and groundwater at the site; and 3) possible cleanup options.



9.0 ENVIRONMENTAL PROFESSIONAL STATEMENT & SIGNATURE

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

Adam Johnson
Environmental Professional

10/27/22

Date Signed

Appendix H includes environmental professional qualifications.

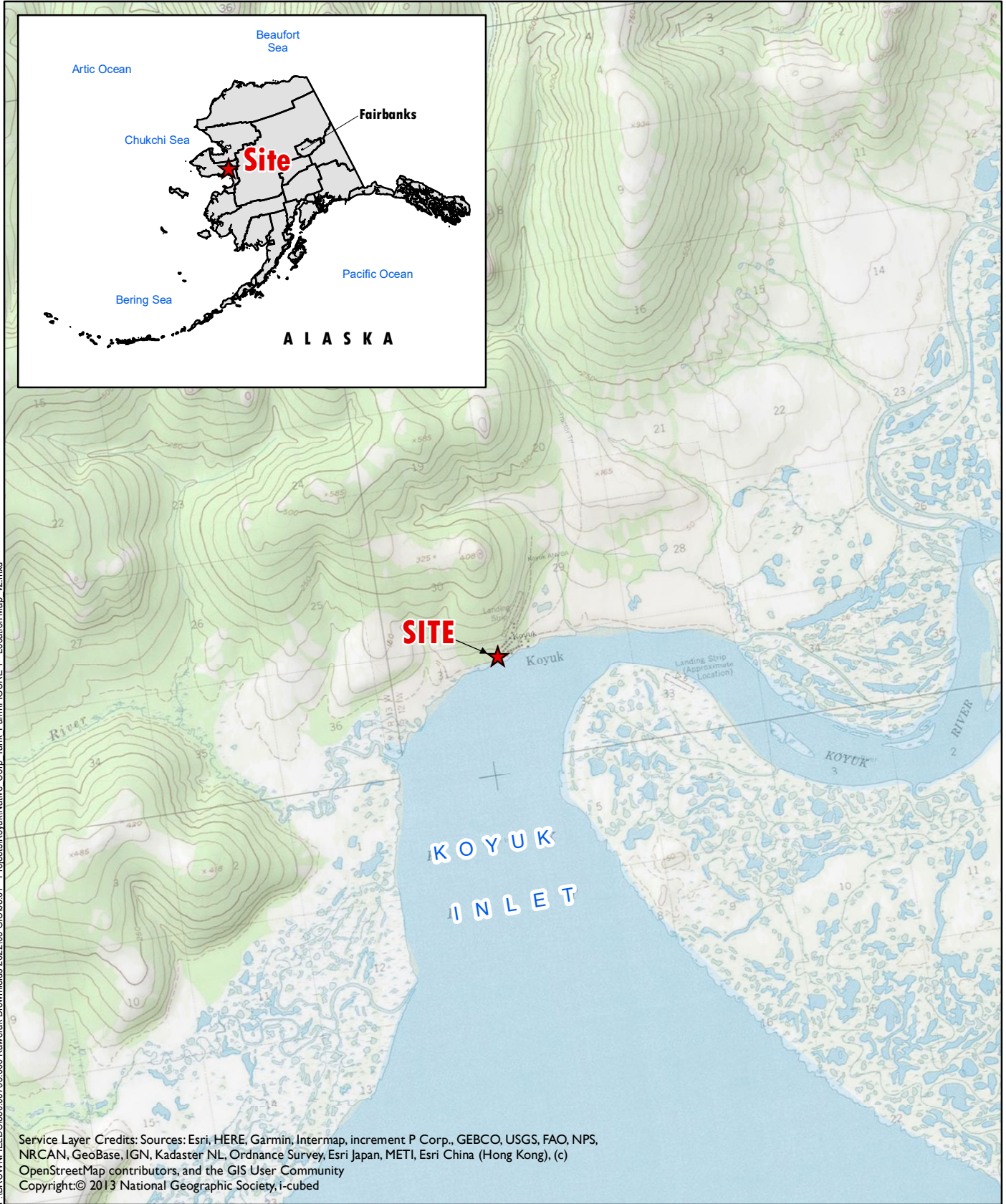


10.0 REFERENCES

- ASTM International (ASTM), 2021.** Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. Standard No. E 1527-21.
- Alaska Department of Environmental Conservation (DEC), 2022.** Petroleum Eligibility Determination - Koyuk Native Corporation Tank Farm Site. Letter submitted to Kawerak, Inc. August 5.
- Alaska Department of Environmental Conservation (DEC), 2014.** Coastal Impact Assessment Program (CIAP) Waste Erosion Assessment and Review (WEAR) Trip Report, Koyuk, Alaska. September 26, 2013, and August 12, 2014.
- Department of Natural Resources (DNR), 2022.** Well Log Tracking System (WELTS). Accessed September 2022 at <https://dnr.alaska.gov/welts>.
- Alaska Division of Community Planning, Department of Community and Regional Affairs (DCRA), 1980.** Koyuk Community Map. Scale 1:2400 (1" = 200'). September.
- Environmental Data Resources, Inc. (EDR), 2022.** The EDR Radius Map Report with GeoCheck. Koyuk Tank Farms, Cottonwood Street, Koyuk, AK, 99753. Inquiry number 7116276.2s. September 13.
- Kawerak, Inc., 1996.** Koyuk Community Map. Scale 1:2400 (1" = 200'). Prepared in Cooperation with the Alaska Department of Community and Regional Affairs.
- Kawerak, Inc., 2005a.** Koyuk Community Map. Scale 1:1200 (1" = 100'). Sheet 1 of 3. Prepared in Cooperation with the Alaska Department of Commerce, Community, and Economic Development and Other Organizations.
- Kawerak, Inc., 2005b.** Koyuk Community Map. Scale 1:2400 (1" = 200'). Sheet 2 of 3. Prepared in Cooperation with the Alaska Department of Commerce, Community, and Economic Development.
- Kawerak, Inc., 2005c.** Koyuk Area Use Map. Scale 1:6000 (1" = 500'). Sheet 3 of 3. Prepared in Cooperation with the Alaska Department of Commerce, Community, and Economic Development.
- Riehle, J.R., Emmel, K.S., and Bolm, J.G., 1981.** Reconnaissance Report of Surficial Geology of Coastal Area from Tolstoi Point to Cape Nome, Norton Sound, Alaska. Alaska Open-File Report 125. May.
- Till, A.B., Dumoulin, J.A., Werdon, M.B., and Bleick, H.A., 2010.** Preliminary bedrock geologic map of the Seward Peninsula, Alaska, and accompanying conodont data: U.S. Geological Survey Open-File Report 2009-1254, 1 pamphlet, 57 p., 2 plates, scale 1:500,000.

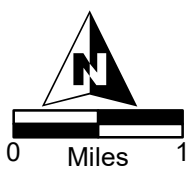


FIGURES



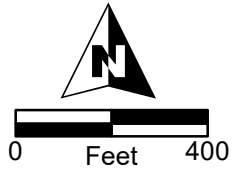
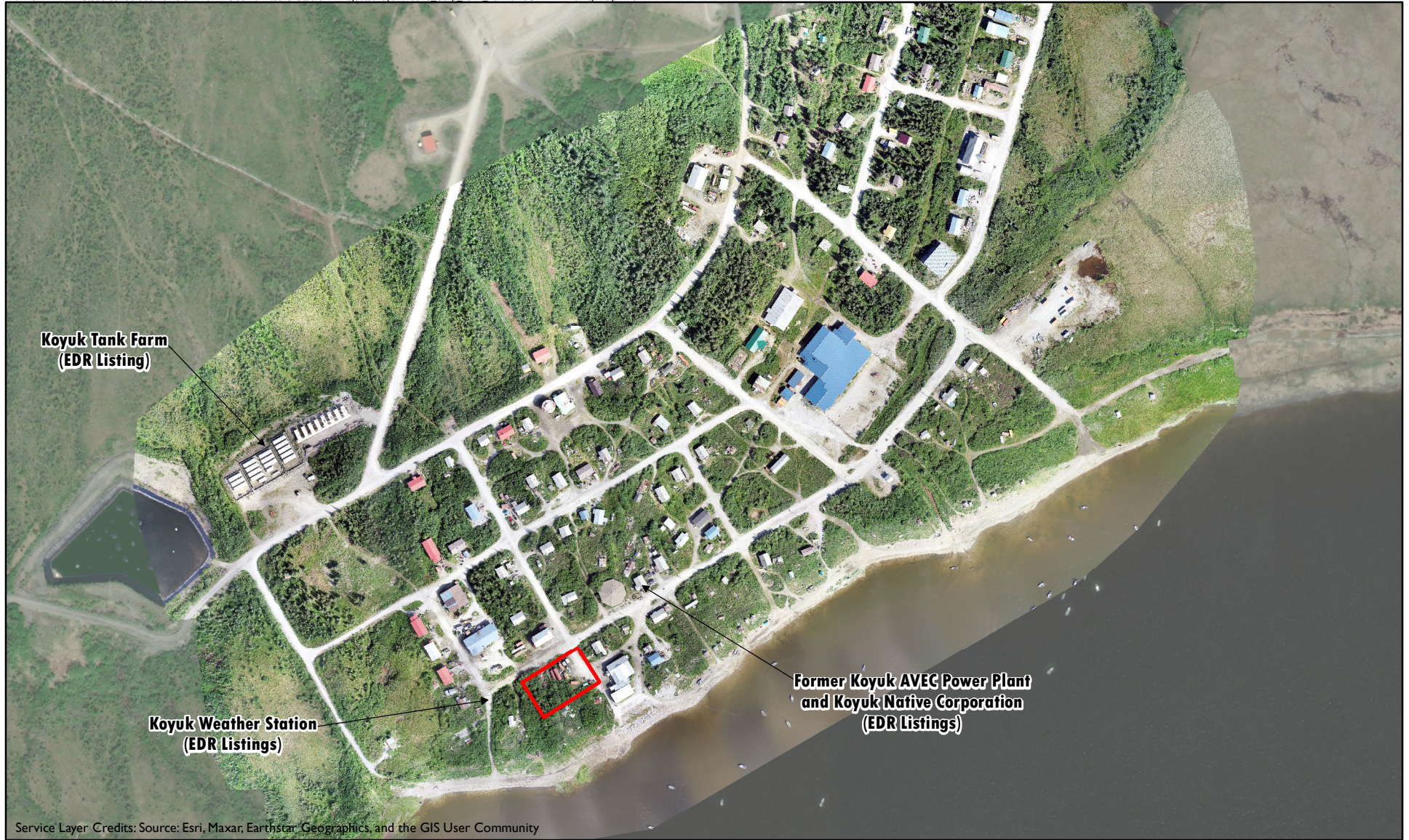
P:\BROWN\FIELDS\350.00735.000 Kawerak.Brownfields 202103.GIS\03.01 - Projects\Koyuk\Native Corp Tank Farm\FIGURE 1 - Location Map.v2.mxd


Service Layer Credits: Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community
 Copyright: © 2013 National Geographic Society, i-cubed

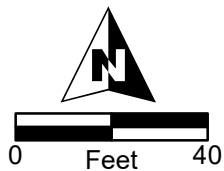




NewFields

Location Map
Native Corp Tank Farm
Koyuk, AK
FIGURE 1



 Site Boundary



-  Approximate Locations of Former Vertical Aboveground Petroleum Storage Tanks
-  Site Boundary



BACKGROUND INFORMATION

APPENDIX A

SITE REPORT: KOYUK NATIVE CORPORATION TANK FARM

SITE NAME: Koyuk Native Corporation Tank Farm

ADDRESS: John Charles Allotment, Lot 9, Koyuk, AK 99753

**FILE
NUMBER:** 610.38.003

HAZARD ID: 3101

STATUS: Active

STAFF: IC Unit, 9074655229 dec.icunit@alaska.gov

LATITUDE: 64.929856

LONGITUDE: -161.162999

**HORIZONTAL
DATUM:** NAD83

We make every effort to ensure the data presented here is accurate based on the best available information currently on file with DEC. It is therefore subject to change as new information becomes available. We recommend contacting the assigned project staff prior to making decisions based on this information.

Problems/Comments

Report of historical spills at fuel tank farm by neighbor on adjacent property. Repeated complaints to Koyuk Native Corporation (KNC) resulted in no cleanup or change in fuel containment facilities or operation practices. U.S.D.I. B.I.A. Land Management Services hydrologist inspected property 7/16/98 and observed a valve leaking gasoline and overall poor facility condition, however no other visible signs of recent spills. No soil, water, or waste samples were analyzed, however a full site characterization was recommended by the inspector. Tank Farm is on Lot 9, Block 9. Charles cabin (complainant) is on Lot 12, Block 9, USS4390 John Charles Allotment. Lot 9 drains onto lot 12 to the south. Reportedly, a Gas spill occurred at the TF around 1993, and an oil spill occurred around 1988, which flowed onto the lot 12 property. U.S. Coast Guard issued 6/12/1997 letter of warning to Koyuk Native Corporation for Fuel Tank Farm lack of discharge containment and other requirements amounting to 8 violations of the Code of Federal Regulations. U.S. Coast Guard issued notification of civil penalties 9/1/1999 following 7/6/1999 inspection for 6 violations of Code of Federal Regulations. The Koyuk Native Corporation (KNC) owns Tank Farm (TF)#3 and TF #6 as per the DCRA Div. of Energy Bulk Fuel Community Database (see copy in file: printout dated May 31, 2001). TF #3 (Lot 9) has impacted the Charles property (Lot 12). "Minor leakage was observed from the tank joints" in KNC TF #3 in the site reconnaissance work plan dated June 1, 2001. A gasoline line running across the Charles' property for fueling boats was dripping at the time of the inspection by BIA Hydrologist John Brown on 7/16/98. KNC's TF #6 showed no leaks. The December 2001 Site Reconnaissance Report by Bristol E&E shows

analysis of samples collected 9-24-01 with levels of benzene at 0.24 mg/kg in soil sample KYK-S-007 and DRO at 108,000 mg/kg in soil sample KYK-S-009.

Action Information

ACTION DATE	ACTION	DESCRIPTION	DEC STAFF
7/16/1998	Update or Other Action	On this date, U.S.D.I. B.I.A. Land Management Services hydrologist inspected property 7/16/98 and observed a valve leaking gasoline and overall poor facility condition, however no other visible signs of recent spills. No soil, water, or waste samples were analyzed, however a full site characterization was recommended by the inspector. Tank Farm is on Lot 9, Block 9. Charles cabin (complainant) is on Lot 12, Block 9, USS4390 John Charles Allotment. Lot 9 drains onto lot 12 to the south. Reportedly, a Gas spill occurred at the TF around 1993, and an oil spill occurred around 1988, which flowed onto the lot 12 property. Reportedly fuel from the tank farm has historically flowed onto the property evident by sheening.	Grant Lidren
11/29/1999	Update or Other Action	Note to file: U.S. Coast Guard personnel visited site 6/99 and observed no evidence of contaminated surface soil associated with the Native Store Tank Farm.	Greg Light
1/6/2000	Site Ranked Using the AHRM	Initial ranking.	Meilani Clark
1/10/2000	Site Added to Database	Gasoline and oil.	Meilani Clark
2/5/2001	Site Ranked Using the AHRM	Preliminary ranking. Site access changed from 2 to 0; historical spills, contamination underground. Reported spills occurred 5-7 years ago.	Bruce Wanstall
10/11/2001	Update or Other Action	VCP Letter Of Interest invitation sent to RP.	Bruce Wanstall
10/31/2001	Update or Other Action	LC 14897060 established.	David Pikul
12/17/2001	Update or Other Action	Site Reconnaissance Report Koyuk, Alaska submitted by Bristol and recieved by the ADEC on this date. Four AST locations were analyzed for contamination. These sites include: Bering Straights School District Tank Farm, Alaska Village Electric Coop. Tank Farm, Koyuk Native Corp. Tank Farm, and city of Koyuk Tank Farm. Out of these four sites only Koyuk Native Corporation Tank Farm had contamination up to 0.24 mg/kg benzene at 5 feet bgs within the GW interface, and	Grant Lidren

108,000 mg/kg DRO at 2 feet bgs within the groundwater interface.

5/19/2004	Site Number Identifier Changed	Corrected Region from 31 to 32.	No Longer Assigned
7/13/2004	Update or Other Action	File number changed from 610.02.003 to 610.38.003	Sarah Cunningham
8/9/2005	GIS Position Updated	Reviewed site location due to new status as potential BF site. Unsure of correct site location, update metadata fields to reflect uncertainty.	Torsten Ernst
11/29/2006	Update or Other Action	Staff transferred from Pikul to Jaynes.	Aggie Blandford
4/17/2008	Exposure Tracking Model Ranking	Initial ranking with ETM completed.	Grant Lidren
12/2/2008	Update or Other Action	Updated problem statement. Need current information to re-rank this site in the ETM.	Pam Clemens
12/3/2008	Update or Other Action	Changed site name to properly reflect the contaminated site's responsible party and location.	Pam Clemens
10/30/2009	Update or Other Action	Updated affiliates tab.	Pam Clemens
2/23/2011	Update or Other Action	Spoke with Ruth Otton, President of Koyuk Native Corporation. She informed me that a new consolidated tank farm was constructed in 2003 or 2004. The old tank farm is not in use and the Corporation is exploring funding to reuse the old tank farm area.	Pam Clemens
2/23/2011	Exposure Tracking Model Ranking	A new updated ranking with ETM has been completed for source area 74076 Koyuk Native Corp. ASTs.	Pam Clemens
10/4/2011	Update or Other Action	ADEC sent an Contaminated Site Notification letter on this date.	Grant Lidren
1/13/2012	Potentially Responsible Party/State Interest Letter	PRP letter sent to Koyuk Native Corporation on this date	Grant Lidren
2/27/2012	Update or Other Action	Spoke with KNC on this date. KNC will send ADEC a letter addressing their intended actions with respect to this pollution incident.	Grant Lidren
3/23/2012	Update or Other Action	ADEC received a letter from the KNC on this date. KNC plans on assessing the KNC TF during the summer of 2012.	Grant Lidren
8/19/2013	Update or Other Action	This tank farm originally consisted of five above ground storage tanks (ASTs); three vertical and two horizontal. During a site visit in August of 2013 by the Solid Waste	Joshua Barsis

Program (SWP), only the two horizontal ASTs remained at this site. The three vertical standing ASTs were removed. According to the SWP, the horizontal tanks were situated on black plastic directly on the ground and the plastic was torn in multiple places. The site is located 250 feet from the Koyuk River.

11/12/2013	Update or Other Action	Letter sent on this day with brief site history, request for contact, and other pertinent information.	Joshua Barsis
11/12/2013	Exposure Tracking Model Ranking	A new updated ranking with ETM has been completed for source area 74076 Koyuk Native Corp. ASTs.	Joshua Barsis
4/6/2015	Update or Other Action	Letter sent with draft Notice of Environmental Contamination (NEC)	Joshua Barsis
4/9/2015	Public Notice	Notice of Environmental Contamination recorded on this day	Joshua Barsis
4/9/2015	Institutional Control Record Established	Institutional Controls established and entered into the database.	IC Unit
4/21/2016	Institutional Control Update	Issued a letter as a reminder of the NEC currently on the property.	Nathan Maxwell
5/5/2017	Institutional Control Update	A letter was issued as a reminder of the NEC currently recorded on the property.	Kristin Thompson
6/14/2018	Institutional Control Update	A letter was issued as a reminder of the NEC currently recorded on the property.	Kristin Thompson
6/26/2019	Institutional Control Compliance Review	An NEC reminder letter e-mailed to the responsible party on this date.	Mossy Mead
5/27/2022	Institutional Control Update	E-mailed a reminder NEC Letter to the responsible party.	Arika Garcia

Contaminant Information

NAME	LEVEL DESCRIPTION	MEDIA	COMMENTS
------	-------------------	-------	----------

Control Type

TYPE	DETAILS
Notice of Environmental Contamination	

Requirements

DESCRIPTION

DETAILS

State of Alaska Department of Environmental Conservation

P.O. Box 111800

Juneau, AK 99811-1800

Phone: 907-465-5066

Fax: 907-465-5245

TDD: 800-770-8973

Physical Location: 410 Willoughby



Notice of Environmental Contamination

Grantor: State of Alaska
Department of Environmental Conservation
Contaminated Sites Program

Grantee: Koyuk Native Corporation
City of Koyuk
Koyuk Native Corporation Tank Farm

Legal Description: Lots eight (8) and nine (9), Block nine (9), Tract "C", as shown on the official plat of U.S. Survey 4390, Koyuk Townsite, in Section 31, Township 6 South, Range 12 West, Kateel River, within the Cape Nome Recording District

Recording District: 201 - Cape Nome

Return to: Joshua Barsis
Environmental Program Specialist
555 Cordova Street
Anchorage, AK 99507

State Business- No Charge

NOTICE OF ENVIRONMENTAL CONTAMINATION

As required by the Alaska Department of Environmental Conservation, Grantor, pursuant to 18 AAC 75.375 Koyuk Native Corporation and the City of Koyuk, Grantees, as the owner and operators of the subject property, hereby provides public notice that the property located at:

Lots eight (8) and nine (9), Block nine (9), Tract "C", as shown on the official plat of U.S. Survey 4390, Koyuk Townsite, in Section 31, Township 6 South, Range 12 West, Kateel River, within the Cape Nome Recording District

has been subject to a discharge or release of oil or other hazardous substances, regulated under 18 AAC 75, Article 3, revised as of April 8, 2012. This release is documented in the Alaska Department of Environmental Conservation (ADEC) contaminated sites database at http://www.dec.state.ak.us/spar/csp/db_search.htm under Hazard ID number 3101.

On September 24, 2001, four soil samples were collected from the surface and subsurface soils at this property and contained elevated concentrations of diesel range organics (DRO) and benzene above the default migration to groundwater (MTG) cleanup levels established in 18 AAC 75.341, Method Two, Tables B1 and B2, Under 40 Inch Zone. To date, the extent of soil and groundwater contamination remains undefined. Therefore the following institutional controls (ICs) are required to control exposure risks to contamination, and also serve as notification. These institutional controls consist of the following:

1. Any future change in land use may impact the exposure assumptions cited in this document. If land use and/or ownership changes, current institutional controls may not be protective and ADEC may require additional remediation and/or institutional controls. Therefore, the Owner(s) will report to ADEC to document land use as soon as the Owner(s) becomes aware of any change in land ownership and/or use.
2. Installation of groundwater wells at this site will require approval from ADEC
3. Any proposal to transport soil or groundwater off-site requires ADEC approval in accordance with 18 AAC 75.325. A "site" [as defined by 18 AAC 75.990 (115)] means an area that is contaminated, including areas contaminated by the migration of hazardous substances from a source area, regardless of property ownership. Attached is a site figure that shows locations of existing structures, and the approximate property boundary where contamination is present.
4. Movement or use of potentially contaminated soil in a manner that results in a violation of 18 AAC 70 water quality standards is prohibited.

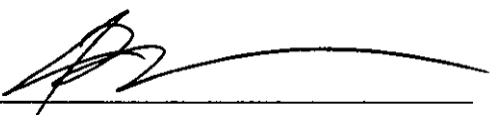
Pursuant to 18 AAC 75.325(i)(1) and (2), DEC approval is required prior to moving soil or groundwater that is, or has been, subject to the cleanup rules found at 18 AAC 75.325-.370. At this site, in the future, if soil is removed from the site or groundwater is brought to the surface it must be characterized and managed following regulations applicable at that time. The site will



remain active on the Contaminated Sites Database until contamination is addressed to the satisfaction of ADEC.

This NEC remains in effect until a written determination from ADEC is recorded that states that soil and groundwater at the site has been shown to meet the most stringent soil cleanup levels in method two of 18 AAC 75.340 and groundwater meets the cleanup levels in Table C in 18 AAC 75.345 and that off-site transportation of soil and groundwater is not a concern.

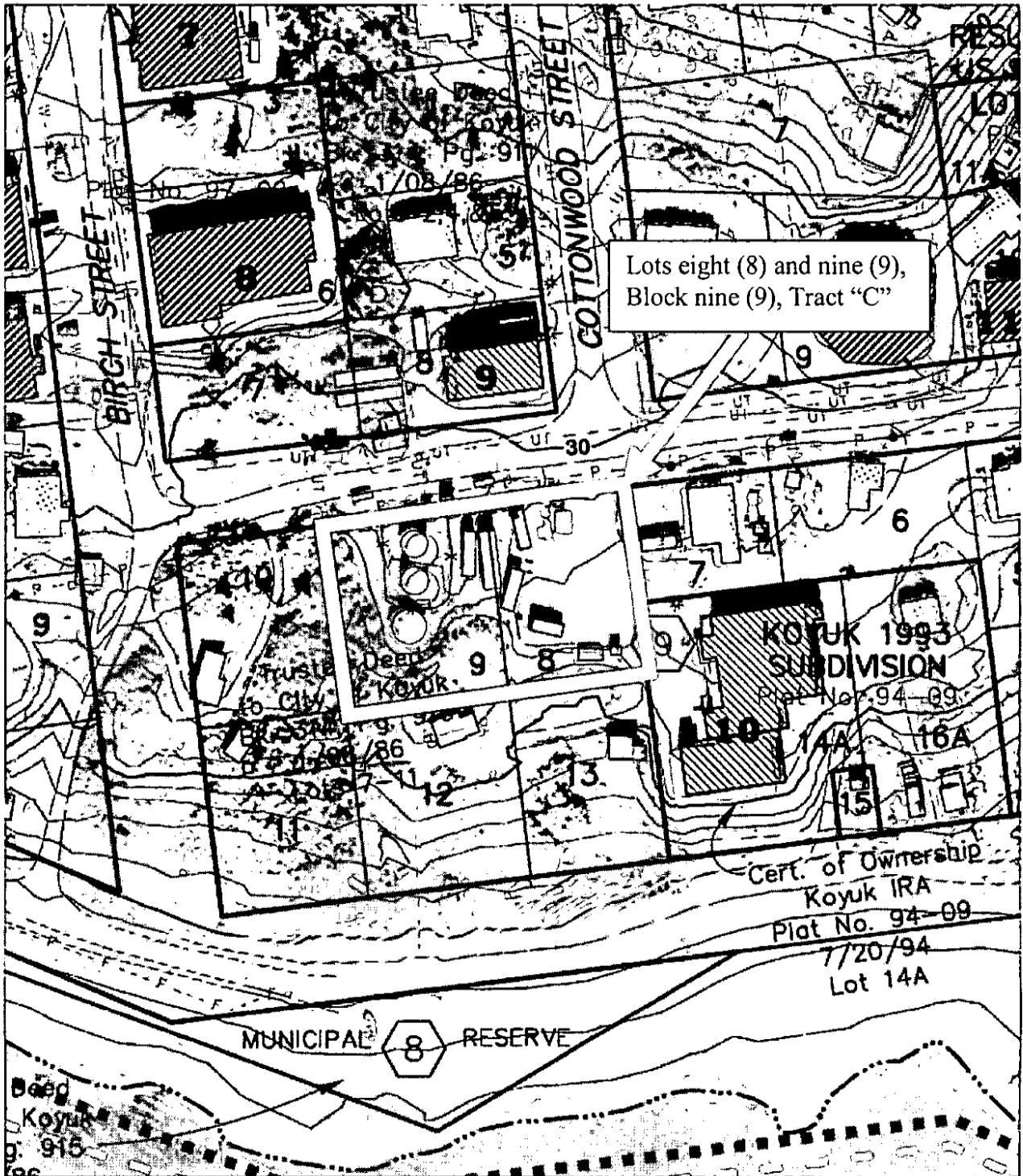
For more information on the subject site, listed as *Koyuk Native Corporation Tank Farm* (File No. 610.38.003), please see the ADEC Contaminated Sites Database, viewable by the public at this link (http://dec.alaska.gov/spar/csp/db_search.htm).



Signature of Authorized ADEC Representative

4-7-15

Date



<p align="center">Koyuk Native Corporation Tank Farm Lots eight (8) and nine (9), Block nine (9), Tract "C" ADEC File Number: 610.38.003 ADEC Hazard ID: 3101</p>	
<p align="center">Site Map March 2015</p>	<p align="center">Alaska Department of Environmental Conservation</p>



THE STATE
of **ALASKA**
GOVERNOR BILL WALKER

**Department of
Environmental Conservation**

DIVISION OF SPILL PREVENTION AND RESPONSE
Contaminated Sites Program

555 Cordova Street
Anchorage, Alaska 99501
Main: 907.269.3083
Fax: 907.269.7687
www.dec.alaska.gov

File No.: 610.38.003

Certified Mail, Return Receipt Requested
Article No.: 7015 1660 0000 0542 5765

April 20, 2016

Koyuk Native Corporation
P.O. Box 53050
Koyuk, AK 99753

Re: Reminder of Notice of Environmental Contamination

This letter is to remind you that contamination in soil and/or groundwater remains at the site known as Koyuk Native Corporation Tank Farm, Hazard ID 3101, located at Lots 8 and 9, between Birch Street and Cottonwood Street. Records available to the Alaska Department of Environmental Contamination (ADEC) indicate that you are the current owner of the above-mentioned property.

The attached Notice of Environmental Contamination was filed with the Alaska Department of Natural Resources Recorders Office in 2015 and it will remain on your property deed until it is demonstrated to ADEC that contaminant concentrations in soil and/or groundwater are below the approved ADEC cleanup levels found in Title 18 of the Alaska Administrative Code, Chapter 75 (18 AAC 75). In addition, you are required to notify the ADEC if there are any changes in land use or ownership.

Alaska Statutes Title 34 outlines your responsibilities with regard to property transfers, which may include environmental disclosures and penalties for non-performance.

This site information is a matter of public record and is available from ADEC's online database at:
<http://dec.alaska.gov/Applications/SPAR/PublicMVC/CSP/Search>

If you have any questions regarding this site, please contact me at (907) 269-3083 or nathan.maxwell@alaska.gov and I will be glad to assist you.

Sincerely,

A handwritten signature in blue ink that reads "Nathan Maxwell".

Nathan Maxwell
Environmental Program Technician

Enclosure: Notice of Environmental Contamination



Notice of Environmental Contamination

Grantor: State of Alaska
Department of Environmental Conservation
Contaminated Sites Program

Grantee: Koyuk Native Corporation
City of Koyuk
Koyuk Native Corporation Tank Farm

Legal Description: Lots eight (8) and nine (9), Block nine (9), Tract "C", as shown on the official plat of U.S. Survey 4390, Koyuk Townsite, in Section 31, Township 6 South, Range 12 West, Kateel River, within the Cape Nome Recording District

Recording District: 201 - Cape Nome

Return to: Joshua Barsis
Environmental Program Specialist
555 Cordova Street
Anchorage, AK 99507

State Business- No Charge

NOTICE OF ENVIRONMENTAL CONTAMINATION

As required by the Alaska Department of Environmental Conservation, Grantor, pursuant to 18 AAC 75.375 Koyuk Native Corporation and the City of Koyuk, Grantees, as the owner and operators of the subject property, hereby provides public notice that the property located at:

Lots eight (8) and nine (9), Block nine (9), Tract "C", as shown on the official plat of U.S. Survey 4390, Koyuk Townsite, in Section 31, Township 6 South, Range 12 West, Kateel River, within the Cape Nome Recording District

has been subject to a discharge or release of oil or other hazardous substances, regulated under 18 AAC 75, Article 3, revised as of April 8, 2012. This release is documented in the Alaska Department of Environmental Conservation (ADEC) contaminated sites database at http://www.dec.state.ak.us/spar/csp/db_search.htm under Hazard ID number 3101.

On September 24, 2001, four soil samples were collected from the surface and subsurface soils at this property and contained elevated concentrations of diesel range organics (DRO) and benzene above the default migration to groundwater (MTG) cleanup levels established in 18 AAC 75.341, Method Two, Tables B1 and B2, Under 40 Inch Zone. To date, the extent of soil and groundwater contamination remains undefined. Therefore the following institutional controls (ICs) are required to control exposure risks to contamination, and also serve as notification. These institutional controls consist of the following:

1. Any future change in land use may impact the exposure assumptions cited in this document. If land use and/or ownership changes, current institutional controls may not be protective and ADEC may require additional remediation and/or institutional controls. Therefore, the Owner(s) will report to ADEC to document land use as soon as the Owner(s) becomes aware of any change in land ownership and/or use.
2. Installation of groundwater wells at this site will require approval from ADEC
3. Any proposal to transport soil or groundwater off-site requires ADEC approval in accordance with 18 AAC 75.325. A "site" [as defined by 18 AAC 75.990 (115)] means an area that is contaminated, including areas contaminated by the migration of hazardous substances from a source area, regardless of property ownership. Attached is a site figure that shows locations of existing structures, and the approximate property boundary where contamination is present.
4. Movement or use of potentially contaminated soil in a manner that results in a violation of 18 AAC 70 water quality standards is prohibited.

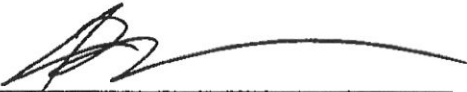
Pursuant to 18 AAC 75.325(i)(1) and (2), DEC approval is required prior to moving soil or groundwater that is, or has been, subject to the cleanup rules found at 18 AAC 75.325-.370. At this site, in the future, if soil is removed from the site or groundwater is brought to the surface it must be characterized and managed following regulations applicable at that time. The site will



remain active on the Contaminated Sites Database until contamination is addressed to the satisfaction of ADEC.

This NEC remains in effect until a written determination from ADEC is recorded that states that soil and groundwater at the site has been shown to meet the most stringent soil cleanup levels in method two of 18 AAC 75.340 and groundwater meets the cleanup levels in Table C in 18 AAC 75.345 and that off-site transportation of soil and groundwater is not a concern.

For more information on the subject site, listed as *Koyuk Native Corporation Tank Farm* (File No. 610.38.003), please see the ADEC Contaminated Sites Database, viewable by the public at this link (http://dec.alaska.gov/spar/csp/db_search.htm).

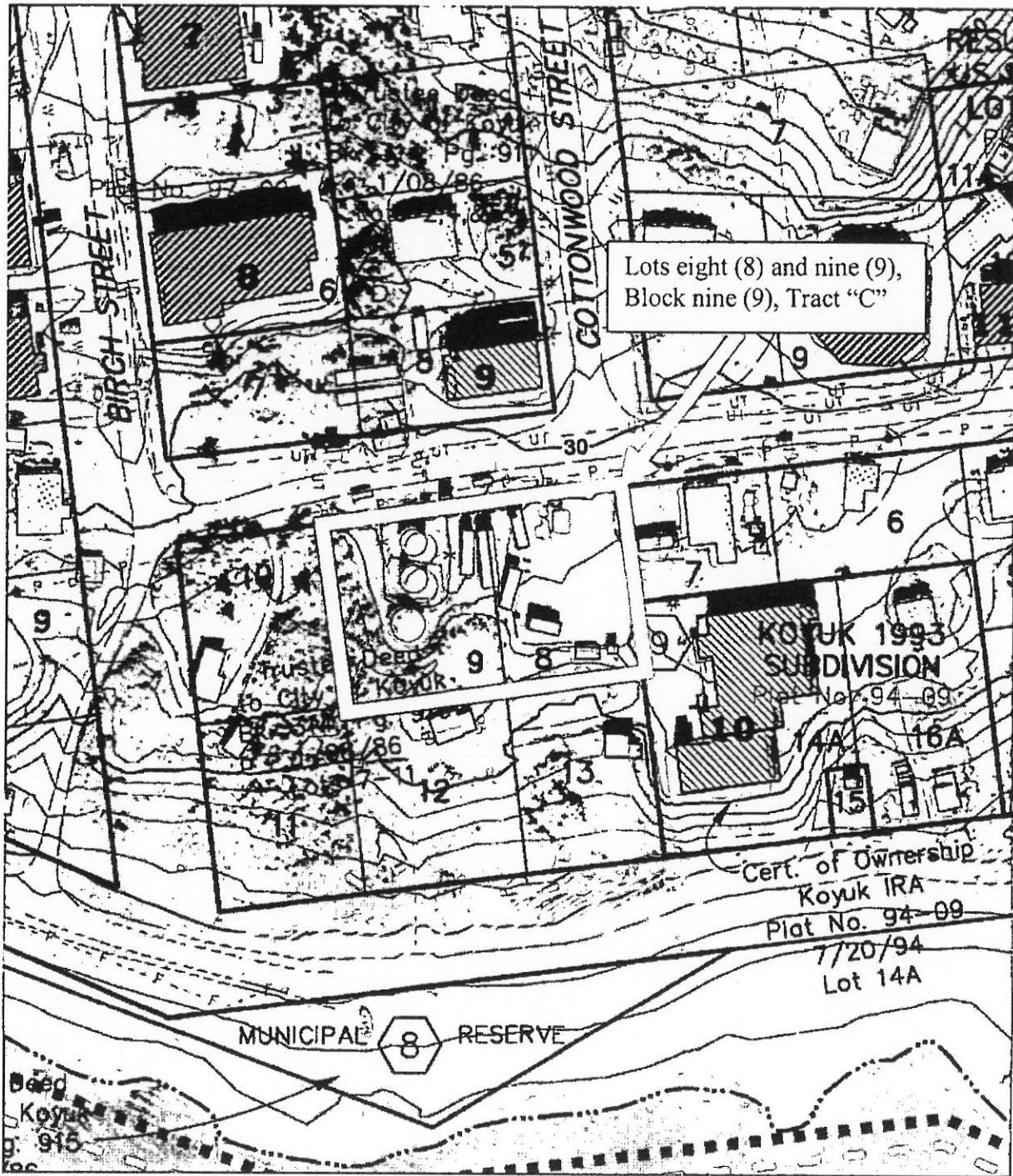


Signature of Authorized ADEC Representative

4-7-15

Date





Koyuk Native Corporation Tank Farm
 Lots eight (8) and nine (9), Block nine (9), Tract "C"
 ADEC File Number: 610.38.003
 ADEC Hazard ID: 3101

Site Map March 2015	Alaska Department of Environmental Conservation
------------------------	--



THE STATE
of **ALASKA**
GOVERNOR BILL WALKER

Department of Environmental
Conservation

DIVISION OF SPILL PREVENTION AND RESPONSE
Contaminated Sites Program

410 Willoughby Ave., Suite 303
P.O. Box 111800
Juneau, Alaska 99811-1800
Main: 907.465.5390
Fax: 907.465.5218
www.dec.alaska.gov

File No.: 610.38.003

May 5, 2017

Sent via electronic mail only

Koyuk Native Corporation
P.O. Box 53050
Koyuk, AK 99753-3050

Re: Reminder of Notice of Environmental Contamination

This letter is to remind you that contamination in soil and/or groundwater remains at the site known as Koyuk Native Corporation Tank Farm, Hazard ID 3101, located at Lots 8 and 9, between Birch Street and Cottonwood Street. Records available to the Alaska Department of Environmental Contamination (ADEC) indicate that you are the current owner of the above-mentioned property.

The attached Notice of Environmental Contamination was filed with the Alaska Department of Natural Resources Recorders Office in 2015 and it will remain on your property deed until it is demonstrated to ADEC that contaminant concentrations in soil and/or groundwater are below the approved ADEC cleanup levels found in Title 18 of the Alaska Administrative Code, Chapter 75 (18 AAC 75). In addition, you are required to notify the ADEC if there are any changes in land use or ownership.

Alaska Statutes Title 34 outlines your responsibilities with regard to property transfers, which may include environmental disclosures and penalties for non-performance.

This site information is a matter of public record and is available from ADEC's online database at:
<http://dec.alaska.gov/Applications/SPAR/PublicMVC/CSP/3101>

If you have any questions regarding this site, please contact me at (907) 465-5229 or evonne.reese@alaska.gov and I will be glad to assist you.

Sincerely,

A handwritten signature in cursive script that reads "Evonne Reese".

Evonne Reese
Environmental Program Specialist
Institutional Controls Unit

Encl: Notice of Environmental Contamination



THE STATE
of **ALASKA**
GOVERNOR BILL WALKER

Department of Environmental Conservation

DIVISION OF SPILL PREVENTION AND RESPONSE
Contaminated Sites Program

410 Willoughby Ave., Suite 303
P.O. Box 111800
Juneau, Alaska 99811-1800
Main: 907.465.5390
Fax: 907.465.5218
www.dec.alaska.gov

File No.: 610.38.003

June 14, 2018

Sent via electronic mail only

Koyuk Native Corporation
P.O. Box 53050
Koyuk, AK 99753-3050

Re: Reminder of Notice of Environmental Contamination

This letter is to remind you that contamination in soil and/or groundwater remains at the site known as Koyuk Native Corporation Tank Farm, Hazard ID 3101, located at Lots 8 and 9, between Birch Street and Cottonwood Street. Records available to the Alaska Department of Environmental Contamination (ADEC) indicate that you are the current owner of the above-mentioned property.

The attached Notice of Environmental Contamination was filed with the Alaska Department of Natural Resources Records Office in 2015 and it will remain on your property deed until it is demonstrated to ADEC that contaminant concentrations in soil and/or groundwater are below the approved ADEC cleanup levels found in Title 18 of the Alaska Administrative Code, Chapter 75 (18 AAC 75). In addition, you are required to notify the ADEC if there are any changes in land use or ownership.

Alaska Statutes Title 34 outlines your responsibilities with regard to property transfers, which may include environmental disclosures and penalties for non-performance.

This site information is a matter of public record and is available from ADEC's online database at:
<http://dec.alaska.gov/Applications/SPAR/PublicMVC/CSP/3101>

If you have any questions regarding this site, please contact me at (907) 465-5229 or evonne.reese@alaska.gov and I will be glad to assist you.

Sincerely,

A handwritten signature in blue ink that reads "Evonne Reese".

Evonne Reese
Environmental Program Specialist
Institutional Controls Unit

Encl: Notice of Environmental Contamination



THE STATE
of ALASKA
GOVERNOR MICHAEL J. DUNLEAVY

Department of Environmental
Conservation

DIVISION OF SPILL PREVENTION AND RESPONSE
Contaminated Sites Program
P.O. Box 111800
Juneau, Alaska 99811-1800
Main: 907.465.5250
Fax: 907.465.5245
www.dec.alaska

June 26, 2019

File: 610.38.003

Sent by electronic mail only

Koyuk Native Corporation
P.O. Box 53050
Koyuk, AK 99753-3050

Re: Reminder of Notice of Environmental Contamination

This letter is to remind you that contamination in soil and/or groundwater remains at the site known as Koyuk Native Corporation Tank Farm, Hazard ID 3101, located at Lots 8 and 9, between Birch Street and Cottonwood Street. Records available to the Alaska Department of Environmental Contamination (ADEC) indicate that you are the current owner of the above-mentioned property.

The attached Notice of Environmental Contamination was filed with the Alaska Department of Natural Resources Records Office in 2015 and it will remain on your property deed until it is demonstrated to ADEC that contaminant concentrations in soil and/or groundwater are below the approved ADEC cleanup levels found in Title 18 of the Alaska Administrative Code, Chapter 75 (18 AAC 75). In addition, you are required to notify the ADEC if there are any changes in land use or ownership.

Alaska Statutes Title 34 outlines your responsibilities with regard to property transfers, which may include environmental disclosures and penalties for non-performance.

This site information is a matter of public record and is available through ADEC's online database record at: <http://dec.alaska.gov/Applications/SPAR/PublicMVC/CSP/SiteReport/3101>

The ADEC will issue a reminder letter such as this on a scheduled basis, once per year. If you have any questions regarding this site, please contact me at (907) 465-5390 or mossy.mead@alaska.gov and I will be glad to assist you.

Sincerely,

A handwritten signature in blue ink that reads "Mossy Mead".

Mossy Mead
Environmental Program Technician – IC Unit

Encl: 2015 Notice of Environmental Contamination

From: [Microsoft Outlook](#)
To: koyuknativecorporation@gci.net
Subject: Relayed: NEC Reminder letter for KNC Tank Farm Site
Date: Wednesday, June 26, 2019 3:37:45 PM
Attachments: [NEC Reminder letter for KNC Tank Farm Site.msg](#)

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:
koyuknativecorporation@gci.net (koyuknativecorporation@gci.net) <mailto:koyuknativecorporation@gci.net>
Subject: NEC Reminder letter for KNC Tank Farm Site



THE STATE
of **ALASKA**
GOVERNOR BILL WALKER

Department of Environmental Conservation

DIVISION OF SPILL PREVENTION AND RESPONSE
Contaminated Sites Program

410 Willoughby Ave., Suite 303
P.O. Box 111800
Juneau, Alaska 99811-1800
Main: 907.465.5390
Fax: 907.465.5218
www.dec.alaska.gov

May 27, 2022

File: 610.38.003

Sent by electronic mail only

Koyuk Native Corporation
P.O. Box 53050
Koyuk, AK 99753-3050

Re: Reminder of Notice of Environmental Contamination

This letter is to remind you that contamination in soil and/or groundwater remains at the site known as Koyuk Native Corporation Tank Farm, Hazard ID 3101, located at Lots 8 and 9. Records available to the Alaska Department of Environmental Contamination (ADEC) indicate that you are the current owner of the above-mentioned property.

The attached Notice of Environmental Contamination was filed with the Alaska Department of Natural Resources Records Office in 2015 and it will remain on your property deed until it is demonstrated to ADEC that contaminant concentrations in soil and/or groundwater are below the approved ADEC cleanup levels found in Title 18 of the Alaska Administrative Code, Chapter 75 (18 AAC 75). In addition, you are required to notify the ADEC if there are any changes in land use or ownership.

Alaska Statutes Title 34 outlines your responsibilities with regard to property transfers, which may include environmental disclosures and penalties for non-performance.

This site information is a matter of public record and is available from ADEC's online database at: <http://dec.alaska.gov/Applications/SPAR/PublicMVC/CSP/Search>

If you have any questions regarding this site, please contact me at (907) 465-5229 or evonne.reese@alaska.gov and I will be glad to assist you.

Sincerely,

A handwritten signature in blue ink that reads "Evonne Reese".

Evonne Reese
Environmental Program Specialist
Institutional Controls Unit

Encl: Notice of Environmental Contamination



Alaska Department of Environmental Conservation (ADEC) Solid Waste Program (Trisha Bower and Rebecca Colvin) conducted a Coastal Impact Assistance Program (CIAP), Waste Erosion Assessment and Review (WEAR) site visit for Koyuk on September 26th, 2013. Tracey Kimoktoak, City Administrator, participated in the site visit. A follow-up visit was conducted on August 12, 2014 by Trisha Bower, Rebecca Colvin and Jacob Timmons. The following narrative is a brief description of our findings during the inspections.

WEAR Sites

- **Old AVEC Tank Farm, 64.931028/-161.159092 (Active)** – This former tank farm was operated by AVEC from around 1969 – 2005 until the construction of the new tank farm. It is an active Contaminated Site (File ID 610.57.001) due to petroleum contamination. The tanks and other associated buildings were removed from the site in 2012, and a Phase I Assessment was completed in February 2013. As of this site visit, the site was fully fenced; however the fence had fallen down and was accessible from the adjacent preschool building. There was a large pond of water in the remaining liner, but it had dried up by the 2014 visit. No visible changes occurred between the visits except for heavier vegetation growth. It is located 270 feet from the Koyuk River.

2013 Photos



2014 Photos



- **Landfill, 64.929877/-161.188885 (Active)** – This Class III landfill was constructed around 1995 and is located more than half a mile east of the community along a maintained gravel road. It is operated by the City of Koyuk as an area fill landfill that accepts municipal waste and construction and demolition debris. A homemade burn unit is used by two part-time operators, who also run a waste collection program with a fee structure. Since the previous inspection in 2011, a large portion of the landfill was consolidated, compacted, and covered. This resolved the leachate problem that was created by water seeping through the exposed waste. A separate, large salvage area is located outside the landfill boundaries that contains metals, white goods, drums and various other materials. A large amount of construction and demolition debris from a housing improvement project was noted in the salvage area in the 2014 inspection. This site was permitted for the first time in 2014. The landfill is located 1,665 feet from the Koyuk River.

2013 Photos

2014 Photos



- **Koyuk Native Corporation Tank Farm, 64.929930/-161.163340 (Active)** – This tank farm is owned by the Koyuk Native Corporation. It has not been in service since 2005 when the new consolidated tank farm was constructed. It is an active Contaminated Site (File ID 610.38.003) due to petroleum contamination. It consisted of three vertical tanks and two horizontal tanks. The three vertical tanks had been removed as of our visit, but the two horizontal tanks remained. The horizontal tanks were situated on black plastic directly on the ground and the plastic was torn in multiple places. This site remained unchanged between the 2013 and 2014 inspections. The site is located 250 feet from the Koyuk River.

2013 Photos



2014 Photos



- **Tank Farm, 64.931867/-161.167939 (Active)** – This consolidated tank farm was constructed in 2005 through a Denali Commission project. It contains tanks for the City of Koyuk, AVEC, and the Bering Strait School District with the Koyuk Native Corporation as the operator. It contains a total of 18 fuel tanks with a total capacity of 83,700 gallons of gasoline and 213,400 gallons of diesel. The site consists of three separate lined wooden cells within a fully fenced and locked area. It is located in an elevated area above the community between the sewage lagoon and the power plant. The Koyuk River is approximately 990 feet south.



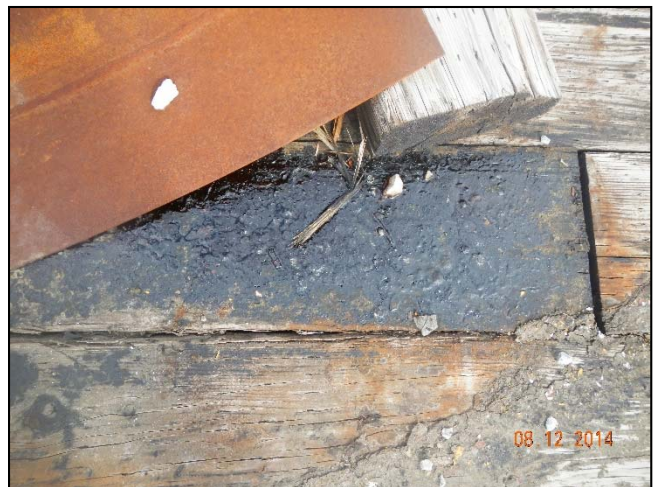
- **Old City Tank Farm, 64.931986/-161.164451 (Abandoned)** – This is the location of the former City of Koyuk tank farm. It contained two vertical fuel tanks within an earthen bermed area on the north end of the community. As of our visit, the tanks had been removed, but the plastic liner and wooden boards remained in place. It is 980 feet from the Koyuk River.



- **School Old Tank Farm, 64.932104/-161.159016 (Abandoned)** – This tank farm was owned and operated by the Bering Strait School District. It originally consisted of eight vertical fuel tanks on a raised, lined wooden platform within a fenced area. The wooden platform consisted of boards more than 4 inches in height. At the time of the site visit, the tanks had been removed and some of the wooden platform had been pulled up. The area had such an extreme fuel odor that inspectors had to leave the area. This site also remained unchanged between inspections. A strong fuel odor was still present in the 2014 inspection with sheening in collected water. This site was reported to ADEC Prevention and Emergency Response Program. It is located 30 feet from teacher housing and 145 feet from the school. The Koyuk River is approximately 670 feet to the south.

2013 Photos

2014 Photos





August 5, 2022

ELECTRONIC MAIL ONLY

Anahma Shannon
Environmental Program Director
Natural Resources Division
Kawerak, Inc. – Nome, Alaska
907-443-4249

Re: Petroleum Eligibility Determination – Koyuk Native Corporation Tank Farm Site

Dear Ms. Shannon,

The Alaska Department of Environmental Conservation (DEC) has reviewed information associated with the property identified as the “Koyuk Native Corporation Tank Farm Site” located in Koyuk, Alaska. The review was performed to determine if the site is eligible to receive funding from an EPA grant or service. Based on the review of information provided to us, DEC has determined the site meets eligibility criteria and is eligible to receive funding.

In order to determine the site’s eligibility, DEC used the information provided as well as criteria from *Information on Sites Eligible for Brownfields under CERCLA 104(k)* referenced in EPA’s “FY21 Guidelines for Brownfields Assessment Grants” EPA-OLEM-OBLR-20-06 as a guide.

Section 1.3.2 in the *Information on Sites Eligible for Brownfields under CERCLA §104(k) Contamination by Petroleum or Petroleum Product* states...

For a petroleum-contaminated site(s) that otherwise meets the definition of a brownfield site to be eligible for funding, EPA or the state must determine:

1. There is no viable responsible party.
2. The site will not be assessed, investigated, or cleaned up by a person that is potentially liable for cleaning up the site.
3. The site must not be subject to a corrective action order under the Resource Conservation and Recovery Act (RCRA) §9003(h).

“A Site for Which There is No Viable Responsible Party”

Section 1.3.2 states “...A petroleum-contaminated site may be determined to have no responsible party if the site was last acquired (regardless of whether the site is owned by the applicant) through tax foreclosure, abandonment, or equivalent government proceedings, and the site meets the criteria in (1) below. Any petroleum-contaminated site not acquired by a method will be determined to have a responsible party if the site fails to meet the criteria in both (1) and (2) below.

1. No responsible party has been identified for the site through:
 - a. an unresolved judgment rendered in a court of law or an administrative order that would require any party (including the applicant/recipient) to conduct the activities (including assessment, investigation or cleanup) proposed in the grant proposal/submitted as part of a site eligibility determination;
 - b. an unresolved enforcement action by federal or state authorities that would require any party (including the applicant/recipient) to conduct the activities (including assessment, investigation, or cleanup) proposed in the grant proposal/submitted as part of a site eligibility determination; or
 - c. an unresolved citizen suit, contribution action, or other third party claim brought against the current or immediate past owner for the site that would, if successful, require the activities (including assessment, investigation, or cleanup) proposed in the grant proposal/submitted as part of a site eligibility determination.

2. The current and immediate past owner did not dispense or dispose of, or own the subject property during the dispensing or disposal of, any contamination at the site, and took reasonable steps with regard to the contamination at the site.

Response: The current owner of the property is the City of Koyuk. The immediate past owner is the late State of Alaska.

DEC has not identified any unresolved judgments rendered in a court of law or an administrative order that would require a party to assess, investigate, or cleanup the site. DEC does not have any unresolved enforcement actions against any party to assess, investigate, or cleanup the site. DEC has not identified any unresolved citizen suite, contribution action or other third-party claim brought against the current or former owners that would require a party to assess, investigate or cleanup the site.

According to the information provided to DEC, the City of Koyuk, may have dispensed and/or owned the subject property at the time petroleum was released/spilled into the environment. However, based on the information provided in the EPA Region 10 Eligibility Worksheet and in follow-up conversations and correspondence, DEC agrees with the applicant that the City of Koyuk is not financially capable of conducting the proposed activities.

Furthermore, DEC staff reviewed the City of Koyuk using EPA’s Environmental Justice Screening and Mapping Tool (EJScreen) to assess demographic and socioeconomic information for the community. Based on this assessment, DEC found that 59 percent of residents of the City of Koyuk are characterized as low income, placing the City in the 80 – 90th percentile poverty classification across the country. This screening strengthens the position the City of Koyuk is not financially viable or able to issue payment for planned site assessment activities.

In addition, DEC also notes that the immediate past owner is the State of Alaska, who did not dispense or dispose of, or own the property during the dispensing or disposal of petroleum at the site. Consequently, the former owner is not considered a responsible party at this time.

This determination is solely for the purpose of determining eligibility for this brownfields program funding.

“Cleaned Up by a Person Not Potentially Liable”

Section 1.3.2 states ‘Brownfields funding may be awarded for the assessment and cleanup of petroleum-contaminated sites provided they meet the requests below.

1. The applicant/recipient has not dispensed or disposed of or owned the property during the dispensing or disposal of petroleum of or owned the property during the dispensing or disposal of petroleum or petroleum product at the site, and
2. The applicant/recipient did not exacerbate the contamination at the site and took reasonable steps with regard to the contamination at the site.”

Response: Kawerak, Inc., the applicant, has not dispensed or disposed of or owned the property during the dispensing or disposal of petroleum product at the site. Petroleum contamination has not been identified or documented on the property at this time that would require the recipient to take reasonable steps in regards to, nor be able to exacerbate.

“Is not subject to any order issued under §9003(h) of the Resources Conservation and Recovery Act (RCRA)”.

Response: The property identified as the “Koyuk Native Corporation Tank Farm Site” is not subject to a corrective action order under the Solid Waste Disposal Act of RCRA.

Based on the above discussion, DEC has determined that the site identified as the “Koyuk Native Corporation Tank Farm” is eligible for petroleum funding from an EPA 128(a) grant.

If you have any questions or need clarification of any of the issues addressed in this letter, please do not hesitate to contact me at (907) 269-7503.

Sincerely,

Breanna Mahoney
Environmental Program Specialist
Alaska Department of Environmental Conservation
SPAR/CSP/Brownfields
555 Cordova Street
Anchorage, AK 99501

Attachment: EJScreen Socioeconomic Low Income Map

Electronic cc: Marc Thomas, ADEC

Molly Vaughan, EPA
Brandie Radigan, Kawerak, Inc.

From: [Mahoney, Breanna M \(DEC\)](#)
To: [Brandie D. Radigan](#); [Thomas, Marc M \(DEC\)](#)
Cc: [Adam Johnson](#); [Anahma Shannon](#)
Subject: RE: File No: 610.38.003 Koyuk Native Corporation Tank Farm State Petroleum Determination Letter
Date: Tuesday, August 9, 2022 10:23:56 AM
Attachments: [image001.jpg](#)

Good Morning Brandie,

For purposes of the letter, you are good to go in terms of starting work. We will coordinate with our Institutional Controls folks here at the office and if the letter needs to be modified we will certainly do that. Our mapper indicated that it was owned by Koyuk Native Corporation but I understand the confusion and all of the hard work you put forth regarding research on the actual owner at the time.

In the meantime, please don't let this get in the way of getting site characterization and remediation efforts started. I will be in touch with you if we revise the letter and ensure you get a copy.

Thank you for all of your hard work, Brandie and Anahma!

Best,

Breanna

From: Brandie D. Radigan <BRadigan@kawerak.org>
Sent: Monday, August 8, 2022 4:38 PM
To: Mahoney, Breanna M (DEC) <breanna.mahoney@alaska.gov>; Thomas, Marc M (DEC) <marc.thomas@alaska.gov>
Cc: Adam Johnson <ajohnson@newfields.com>; Anahma Shannon <ashannon@kawerak.org>
Subject: RE: File No: 610.38.003 Koyuk Native Corporation Tank Farm State Petroleum Determination Letter

CAUTION: This email originated from outside the State of Alaska mail system. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hello Breanna,

Just a quick thank you so much for getting us these letters. I know it's your job but we really appreciate the time and research these things take and understand that we all must function as a team to accomplish the goal of cleaning up Alaska one site at a time!

I wanted to touch back on the question I asked before about how DEC states in the letter that the Koyuk Native Corporation is the owner of the land at the site and that our records indicate that the land owner is City of Koyuk. If it doesn't matter at this point because the determination for clean-up is assigned to Koyuk Native Corporation then we can stop worrying about it. But I would like to resolve this at some point in the future. Let me know your thoughts on this.

Thanks again and have a great night from all of us!

Respectfully,

Brandie Radigan
bradigan@kawerak.org
Brownfield Coordinator TEMP
Cell 907-960-6970

From: Anahma Shannon <ashannon@kawerak.org>
Sent: Friday, August 5, 2022 5:36 PM
To: Adam Johnson <ajohnson@newfields.com>
Cc: Brandie D. Radigan <BRadigan@kawerak.org>
Subject: FW: File No: 610.38.003 Koyuk Native Corporation Tank Farm State Petroleum Determination Letter

FYI...

From: Mahoney, Breanna M (DEC) <breanna.mahoney@alaska.gov>
Sent: Friday, August 5, 2022 5:34 PM
To: Anahma Shannon <ashannon@kawerak.org>
Cc: Thomas, Marc M (DEC) <marc.thomas@alaska.gov>; Brandie D. Radigan <BRadigan@kawerak.org>
Subject: FW: File No: 610.38.003 Koyuk Native Corporation Tank Farm State Petroleum Determination Letter

CAUTION - EXTERNAL EMAIL: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good Evening All,

I wanted to follow up concerning this particular site to inform you that we would like to be kept in the loop regarding testing and reports (which we do want to be a part of for all sites, but this one is of specific alarm). Please note that the applicant has indicated that this particular site has been cause for concern for the health of locals due to the potential that petroleum has migrated or leached into the adjacent Koyuk River, which is only approximately a couple of hundred feet from the tank farm. DEC supports these efforts to further characterize the nature and extent of the contamination at this property. DEC notes that an institutional control was placed on this property on April 9, 2015 requiring, among other things, DEC approval for the transport of soil or groundwater off-site. Please work with DEC as appropriate for approval of required work plans and reports.

As such, please reach out to myself or Marc when reports come in and forward them to us for our record so we can be as consistent as possible in updating information on the CS GIS Mapper if need be.

Thank you and have a lovely weekend.

Best,
Breanna

From: Mahoney, Breanna M (DEC)

Sent: Friday, August 5, 2022 3:38 PM

To: Brandie D. Radigan <BRadigan@kawerak.org>

Cc: Thomas, Marc M (DEC) <marc.thomas@alaska.gov>; Vaughan, Molly <Vaughan.Molly@epa.gov>

Subject: File No: 610.38.003 Koyuk Native Corporation Tank Farm State Petroleum Determination Letter

Good Afternoon Brandie,

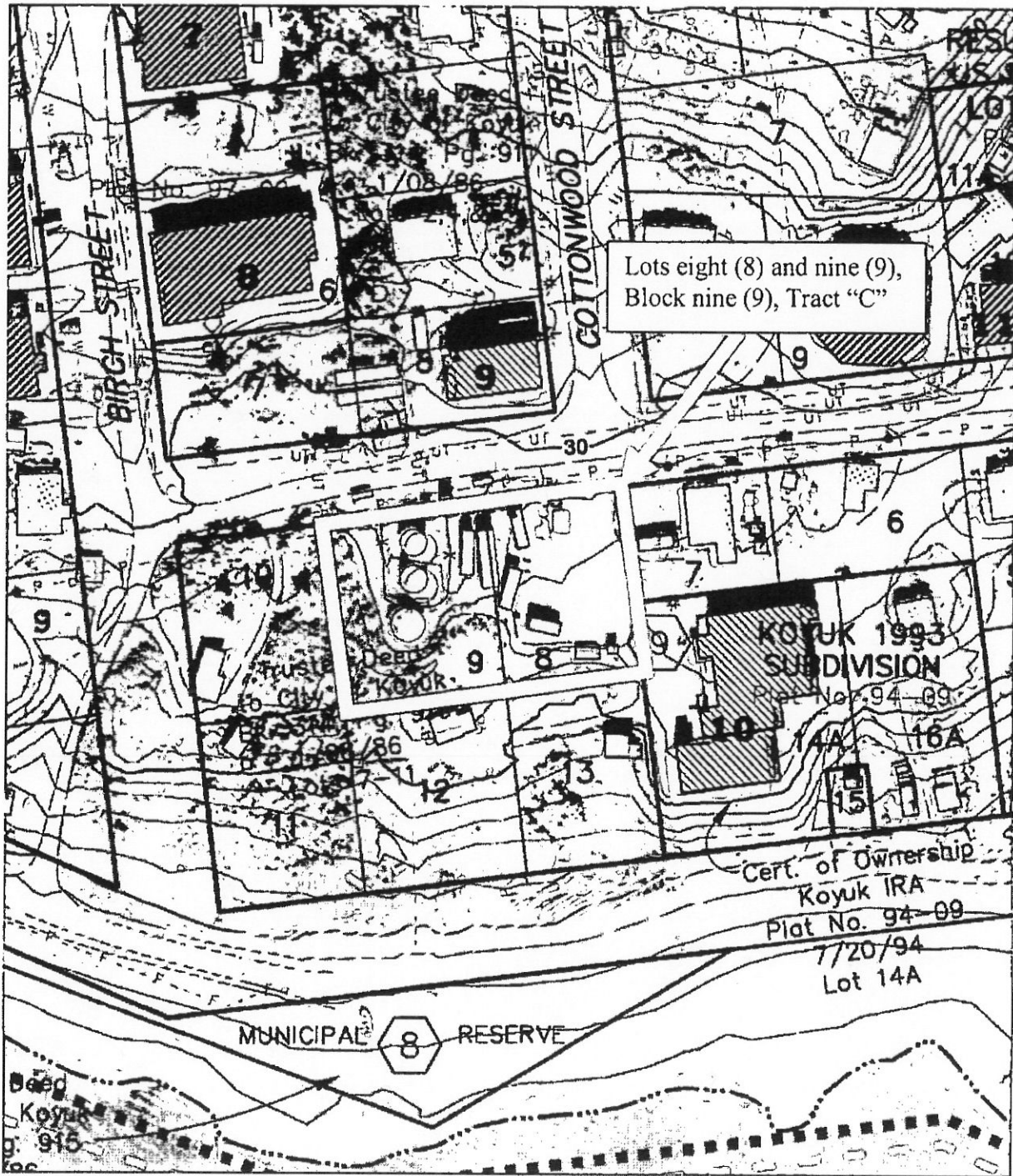
Attached please find the subject project ADEC Petroleum Determination Letter. I apologize for the delay in these letters (the others will follow after this email), we had to work through some technical wording with the financial viability aspect, I hope you understand. . I hope you have a wonderful weekend

Best,

Breanna



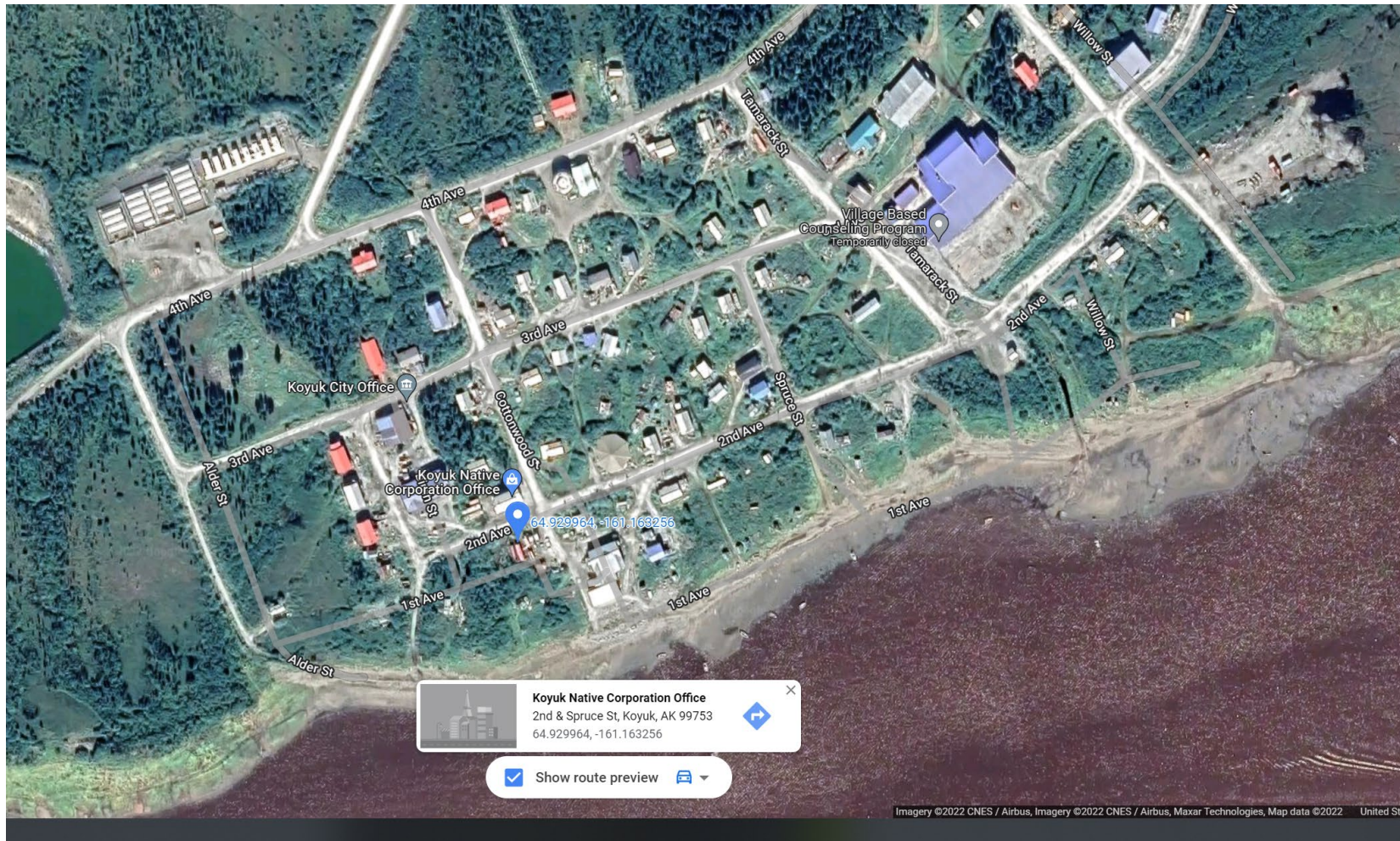
Breanna Mahoney
Environmental Program Specialist
Alaska Dept. of Environmental Conservation
Contaminated Sites Program
555 Cordova Street, Anchorage, Alaska 99501
Phone 907.269.7503



Koyuk Native Corporation Tank Farm
 Lots eight (8) and nine (9), Block nine (9), Tract "C"
 ADEC File Number: 610.38.003
 ADEC Hazard ID: 3101

Site Map March 2015	Alaska Department of Environmental Conservation
------------------------	--

Corporation old tank farm 64.929964, -161.163256





UP LEFT: Corporation Old Tank Farm, 2 horizontal AST – supposedly empty but no one knows. Looking south from street.

RIGHT: Black fabric underneath tanks but not contained in any way.



LEFT: old 100# tanks at edge of Corp tank farm property showing edge of original berm

BELOW: looking north to the street where Archie stands, at back of tanks, clear walking path that cuts through this small property



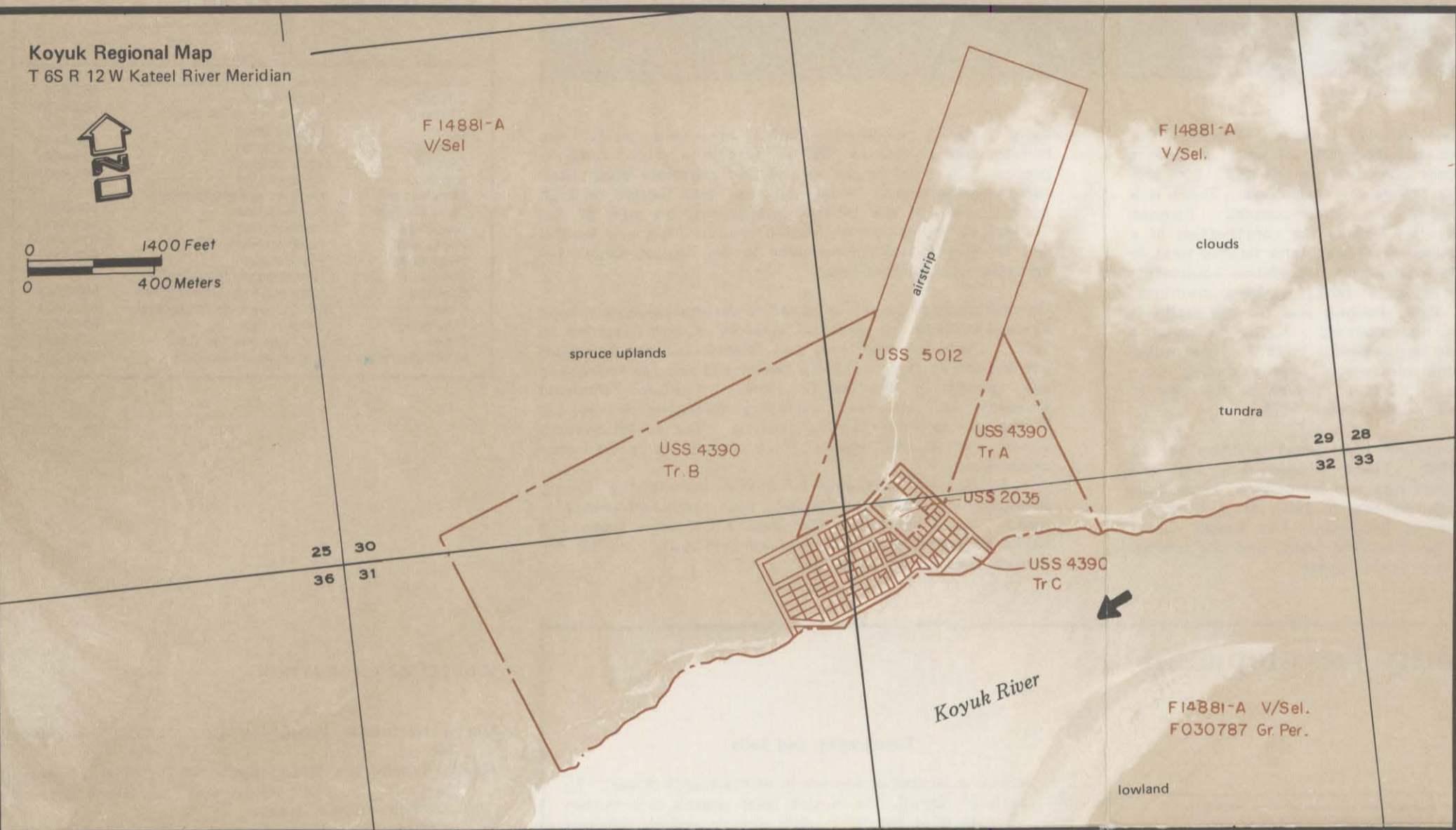
COMMUNITY MAP

KOYUK

64°56'N 161°09'W Elevation 130' (at airstrip)

The preparation of this document was financed in part through a comprehensive planning grant from the Department of Housing and Urban Development, under the provisions of Section 701 of the Housing Act of 1954, as amended, and the Division of Community Planning, Department of Community and Regional Affairs in conjunction with the Department of Transportation and Public Facilities of the State of Alaska, September 1980.

Note: These maps have been prepared from uncontrolled aerial photographs. Scale is approximate and minor distortion may exist. Property and utility information has been generalized from many sources and may contain minor inconsistencies. These maps should not be construed as surveys. On-site investigations should be conducted prior to construction.



1. Village gasoline tank
2. Koyuk Native Store
3. Covenant Church
4. IRA office
5. Clinic
6. Community building
7. Koyuk Village Corporation office
8. AVEC powerhouse/Fuel storage
9. Armory
10. Playground
11. Fuel tanks (REAA)
12. REAA high school
13. REAA elementary school
14. School sewage treatment plant
15. Emergency generator
16. Utility building (REAA)
17. Washeteria (to be completed May 1981)
18. Washeteria fuel tanks

FLOOD DATA

Area that would be inundated by a flood with a frequency of approximately 100 years.

NOTES

Flood hazard work was performed by the Alaska District Corps of Engineers at the request of and funded by the Federal Insurance Administration.

The flood hazard area shown hereon is based on meager data, plus a minimum of historical flooding information and should be considered as preliminary.

The major flooding that occurs at this location is the result of storm driven waves and spring ice jams.

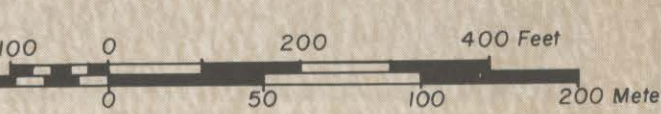
Any levees or dikes were considered in delineating the approximate 100 year flood.

All area shown on map is within corporate limits of Koyuk.

City of Koyuk has the authority for land use regulation, but has not yet exercised it.

February 1975

solid waste disposal area (to be fenced)

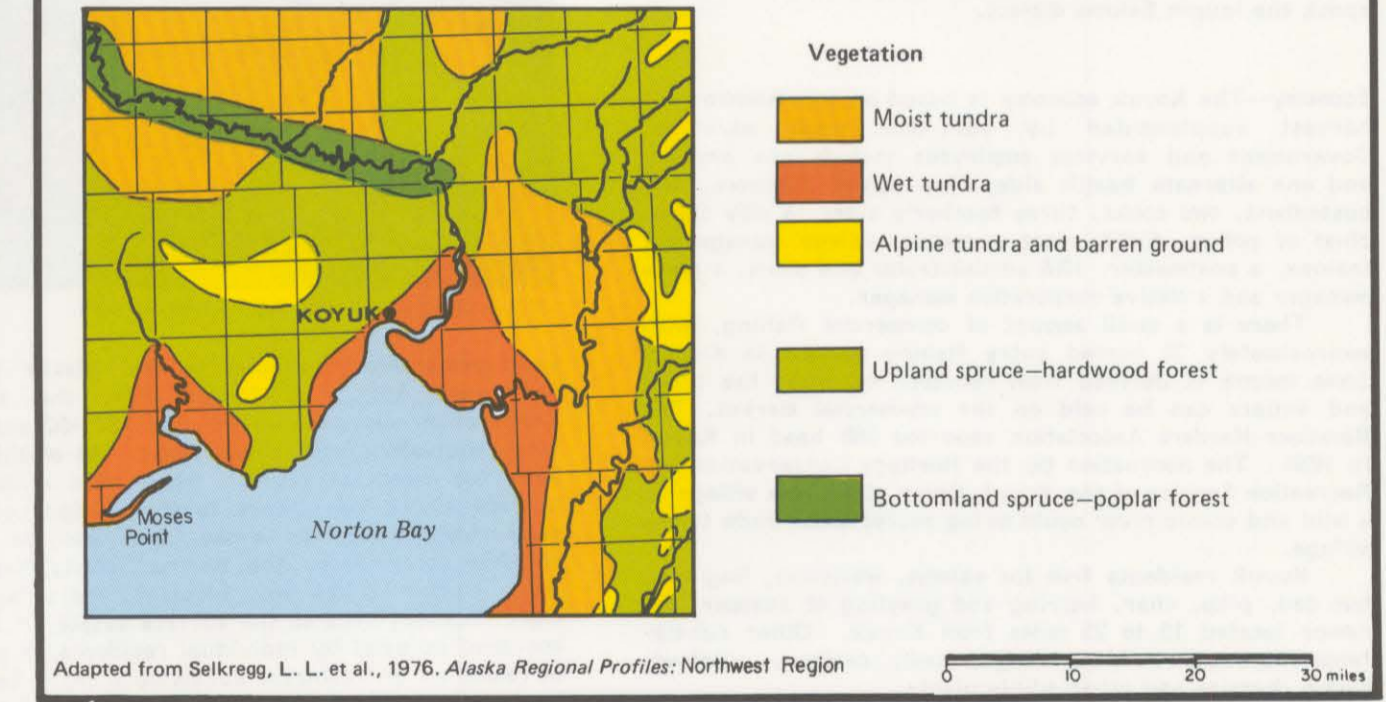
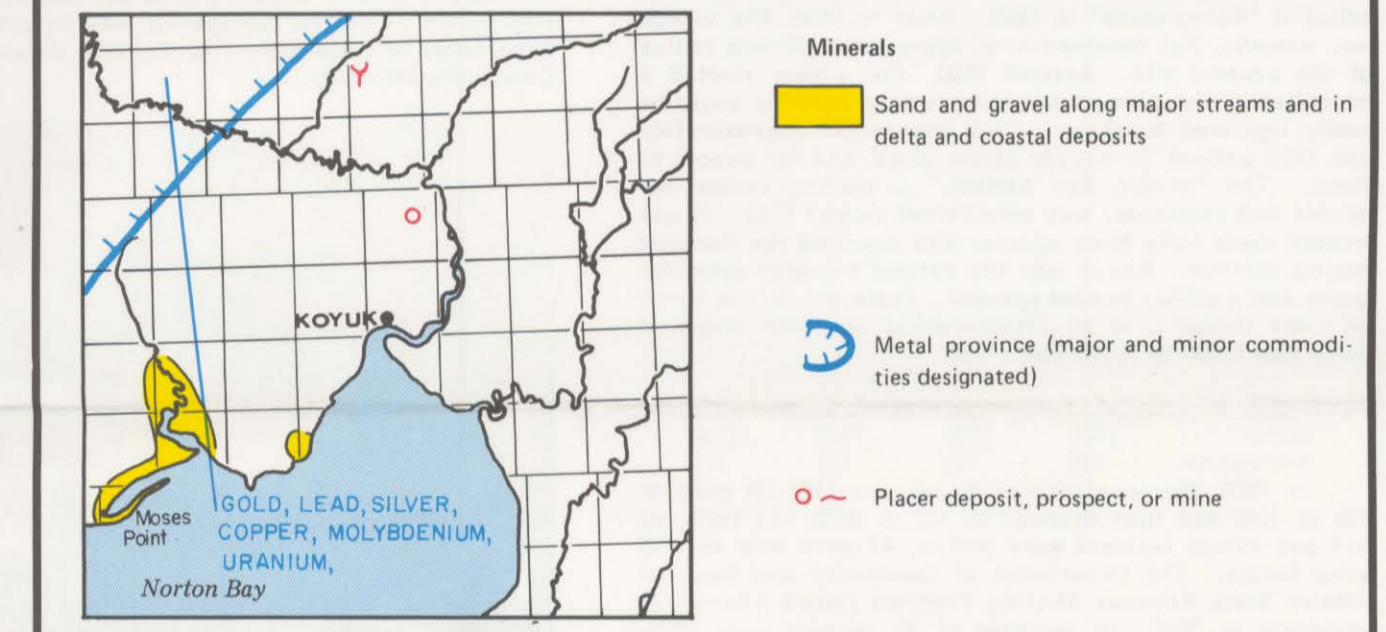
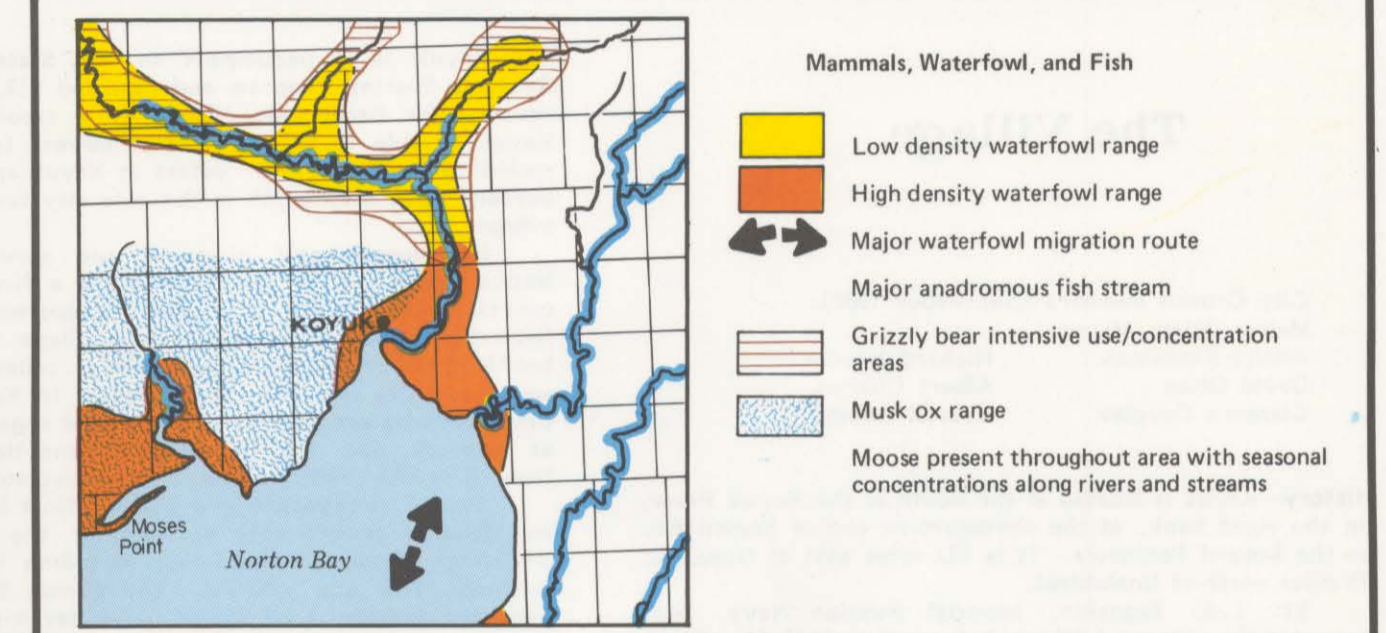
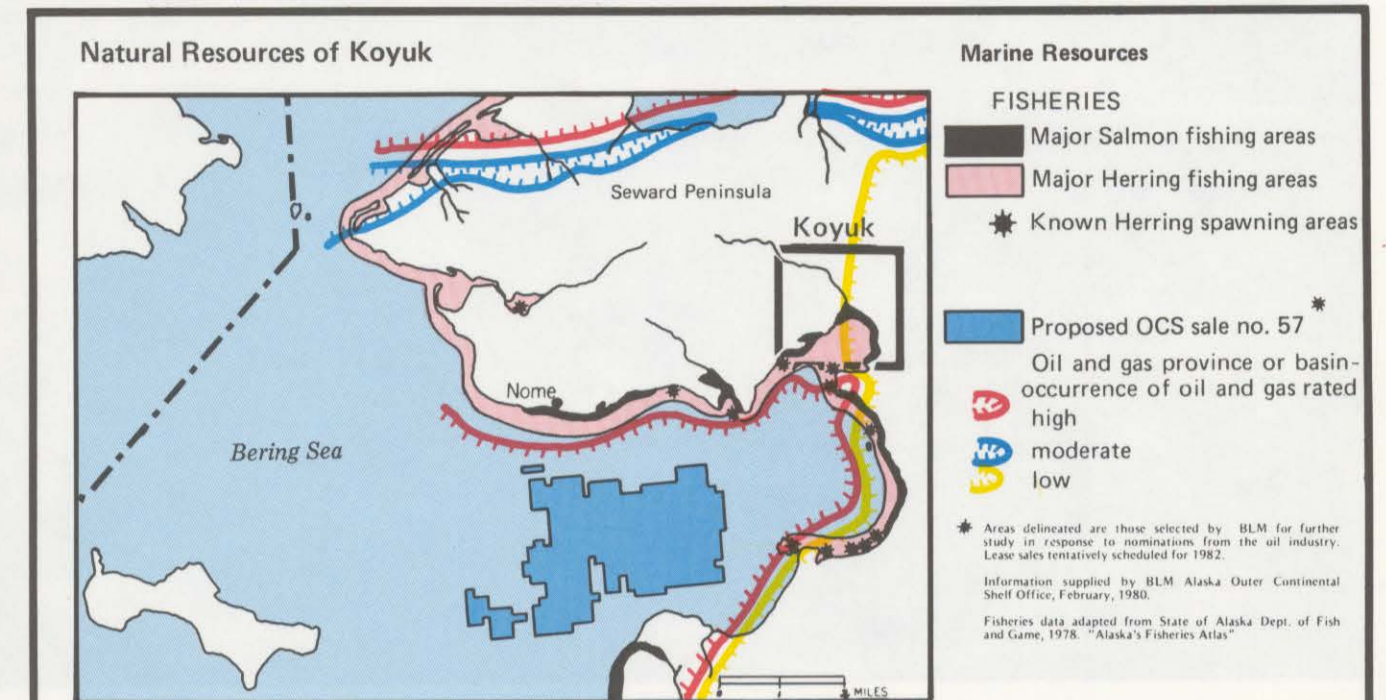


Land Use (from field survey, September 1980)

- Residential
- Commercial
- Public
- Public Use Area
- Multiple Use
- Under Construction
- Generator
- Transmission Lines
- Transformers
- Street Lights
- Power Pedestal
- Seepage Pit
- Wells
- Earth Station (ALASCOM)
- Telephone
- Pipelines
- Fuel Storage
- Townsite Boundary
- Survey Line (BLM or Alaska Division of Lands; numbers refer to U.S. Surveys)
- Land Status (BLM or Alaska Division of Lands; serial numbers refer to applications, patents, etc.)

Note: Structures not outlined or color coded have been determined to be minor accessory structures and/or dilapidated buildings.

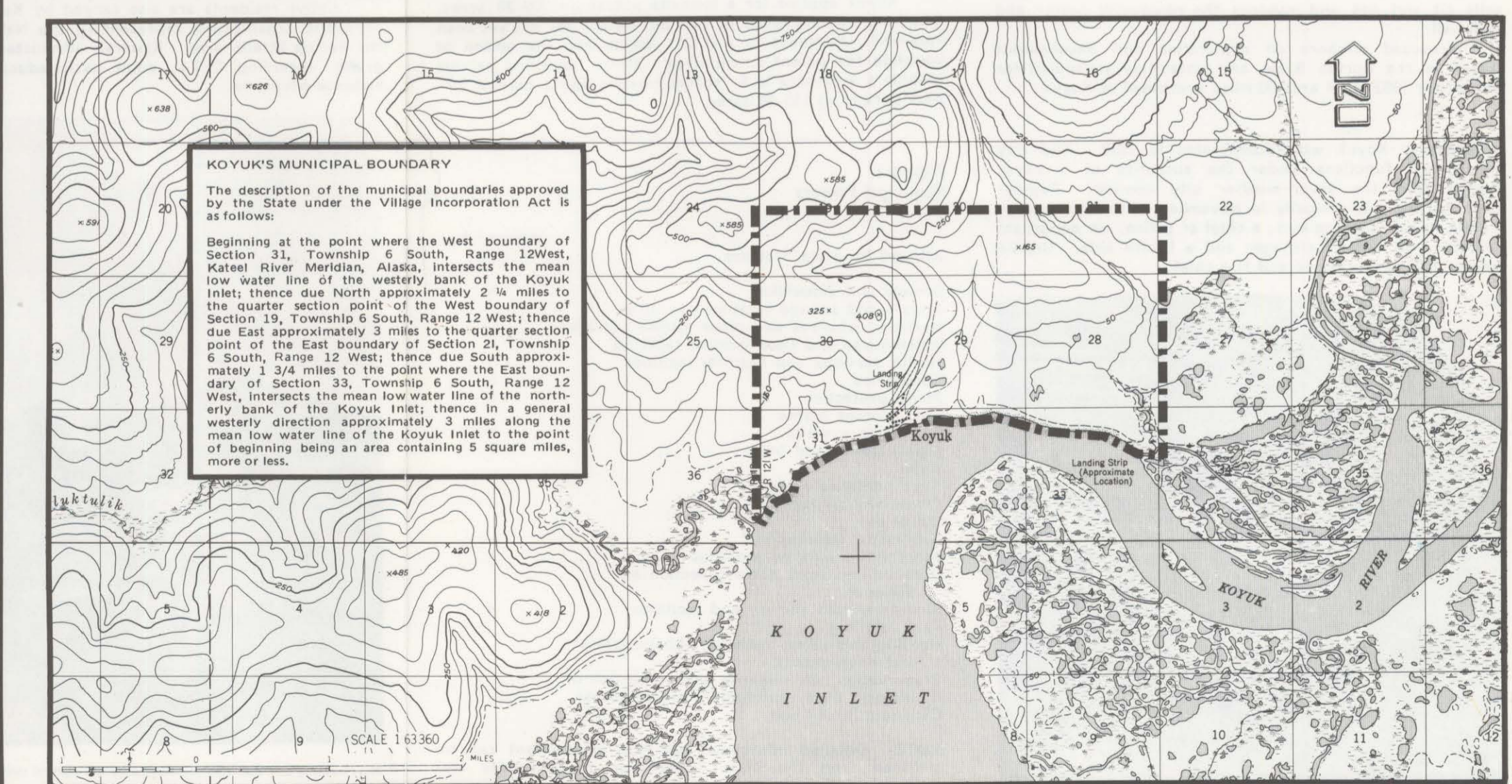
clouds



Community Map—Maps are useful in illustrating land use patterns, ownership, location of utilities and in planning for future village improvements. These maps can be prepared by surveying the land and/or by enlarging aerial photographs.

The Community Map shown here was prepared from an aerial photograph taken in July, 1980 by Alaska Photogrammetric Consultant at a height of 12,000 feet and enlarged to a scale of 1:2400 (1 inch = 200 feet). This map has been used to display the present utilities, residential and commercial development, public facilities and to portray other information which will aid in evaluating the area for new construction and for potential village expansion.

The Regional Map, was prepared from the same photograph enlarged to a scale of 1:16800 (1 inch = 1400 feet) and clearly shows the village and the surrounding area. This kind of data is very important in developing plans for community growth and expansion. It is useful in gaining an understanding of some of the natural and man-made features that affect the community (e.g., flood hazards, erosion, source of water supply, location of waste disposal sites, etc.).





Community Map KOYUK

64° 56' 11" N 161° 09' 42" W (NAD 27)
 Elev. 140.50' (Datum unknown)
 (AWOS WIND SENSOR SITE)
 Township 6 South, Range 12 West, K.R.M., AK
 CAPE NOME RECORDING DISTRICT

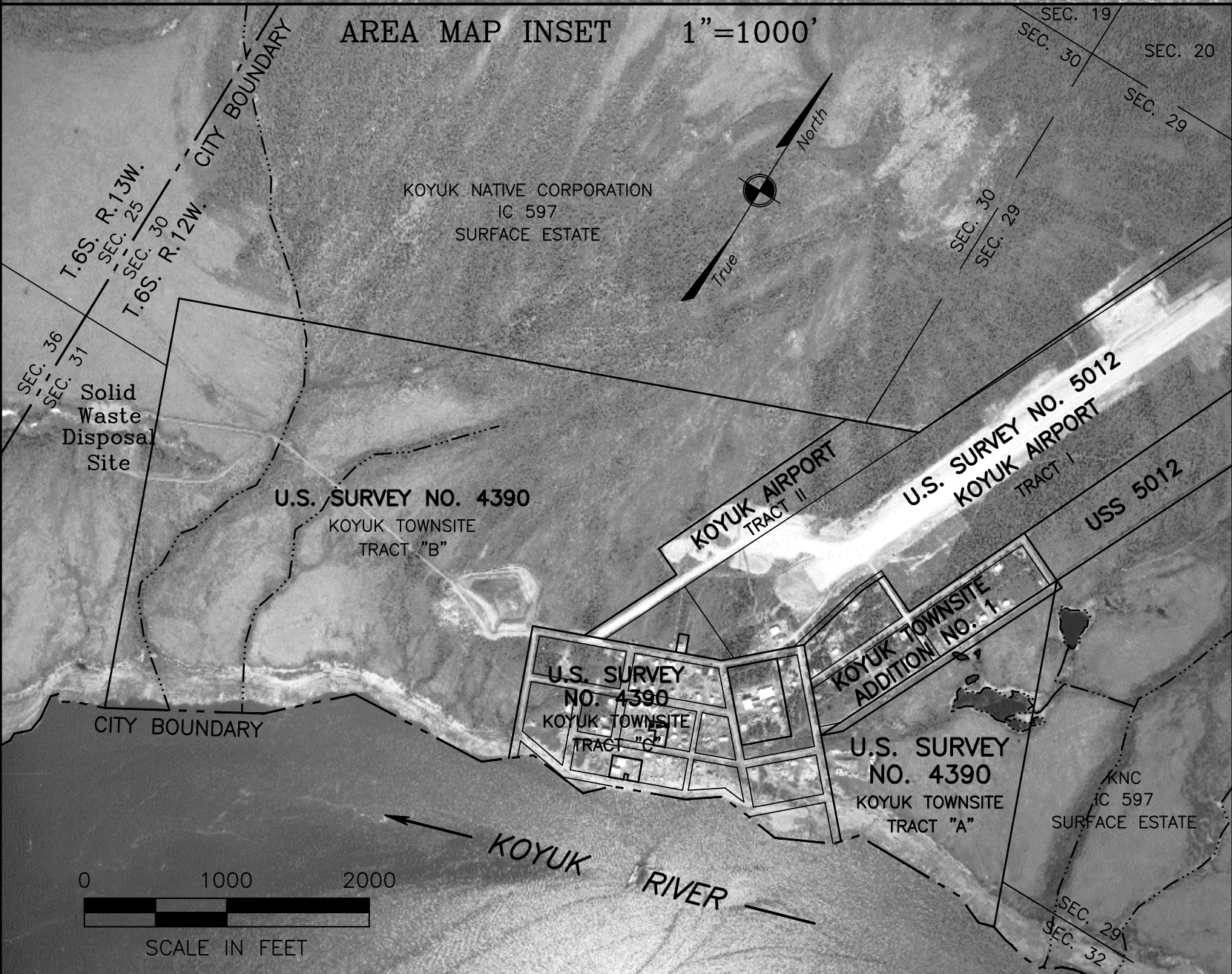
LEGEND

- | | | | |
|--|-----------------------|--|-----------------------|
| | Residential Building | | Sewer Line w/manhole |
| | Commercial Building | | Water Line |
| | Public Building | | Fuel Line |
| | Electric Line w/pole | | Telephone Line w/pole |
| | Cable Television Line | | Earth Station |
| | Street Light | | Generator |
| | Edge of Water | | Fire Hydrant |
| | Local Name | | Easement Line |

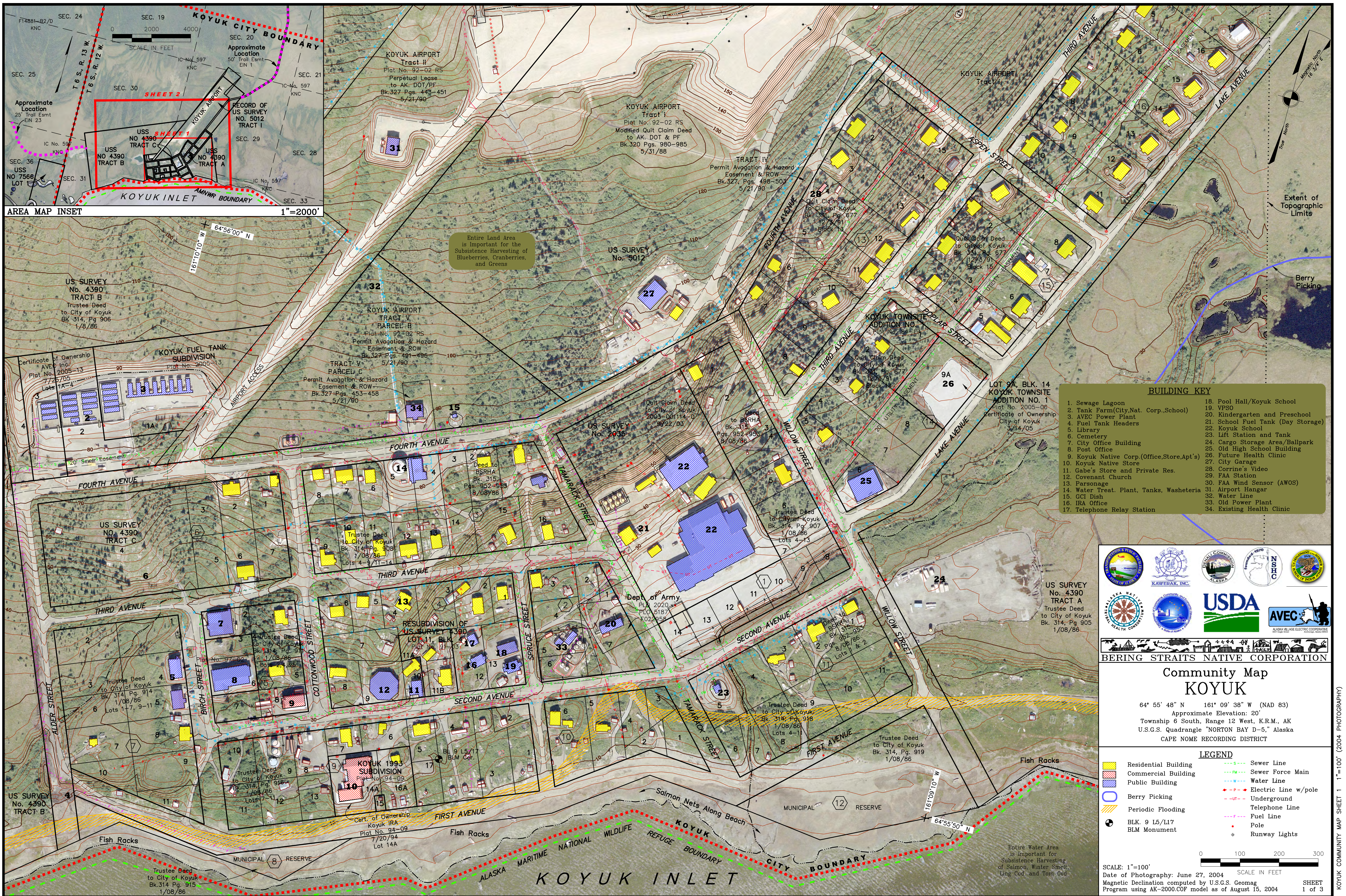
SCALE: 1"=200'
 Date of Photography: June 13, 1996
 Magnetic Declination computed by U.S.G.S. Geomag
 Program using AK-1995.COF model as of May 1, 1996. SHEET 1 of 1

MAP NOTES
 This map was prepared by Kawerak, Inc. in cooperation with the Alaska Department of Community and Regional Affairs (DCRA), Municipal and Regional Assistance Division, using funds provided by the U.S. Bureau of Indian Affairs. Kawerak, Inc. contracted with McClintock Land Associates, Inc. in 1996 to prepare the map.
 This map is based upon a digital orthophoto prepared to National Map Accuracy Standards by Aerotekap, U.S., Inc. from their June 13, 1996 photography (original scale 1" = 1000').
 The orthophoto is an aerial photo which has been corrected, by rectification to ground control stations, to remove distortions and warpage due to ground topography and aircraft tilt and trim.
 This map should not be construed as a survey. On-site surveys should be conducted prior to engineering or construction.
 Property and utility information has been generated from the best available sources with limited accuracy checks. Utility location is particularly imprecise and shows only the main lines as the service lines have been omitted for clarity. Generally, the information is current as of May, 1996.
 The status of the subsurface estate is not shown on this map. The Chapter 11 Reorganization of Bering Straits Native Corporation resulted in the transfer of certain subsurface lands to several Village Corporations.

FLOOD DATA
 The U.S. Army Corps of Engineers (C.O.E.) has not established exact flood data for this community. Raytheon Service Company established a benchmark which could be used for flood data reference:
 Base of Automated Weather Observation Station (AWOS) wind sensor as shown on the 1994 FAA AWOS SITE PLAN (ALD-KKA-990.001), elev. = 140.50' (MSL).
 Flood hazard exists in this community. Contact C.O.E. or DCRA Flood Hazard Specialist for information for safe building elevations.



- BUILDING KEY**
1. Library
 2. Fuel Pump House
 3. Corporation Building
 4. City Office Building
 5. Koyuk Native Store
 6. Covenant Church
 7. Koyuk Clinic
 8. Water Tank
 9. Washeteria
 10. Old Koyuk Clinic
 11. Telephone Relay Station
 12. IRA Building
 13. AVEC Bulk Fuel Tanks
 14. Power Plant
 15. Kindergarten School
 16. Koyuk High School
 17. Koyuk Grade School
 18. City Garage
 19. Airport Maintenance Building
 20. Post Office



AREA MAP INSET 1"=2000'

Entire Land Area is important for the Subsistence Harvesting of Blueberries, Cranberries, and Greens

BUILDING KEY

1. Sewage Lagoon	18. Pool Hall/Koyuk School
2. Tank Farm(City,Nat. Corp.,School)	19. VPSO
3. AVEC Power Plant	20. Kindergarten and Preschool
4. Fuel Tank Headers	21. School Fuel Tank (Day Storage)
5. Library	22. Koyuk School
6. Cemetery	23. Lift Station and Tank
7. City Office Building	24. Cargo Storage Area/Balpark
8. Post Office	25. Old High School Building
9. Koyuk Native Corp.(Office,Store,Apt's)	26. Future Health Clinic
10. Koyuk Native Store	27. City Garage
11. Gabe's Store and Private Res.	28. Corrine's Video
12. Covenant Church	29. FAA Station
13. Parsonage	30. FAA Wind Sensor (AWOS)
14. Water Treat. Plant, Tanks, Washeteria	31. Airport Hangar
15. GCI Dish	32. Water Line
16. IRA Office	33. Old Power Plant
17. Telephone Relay Station	34. Existing Health Clinic



Community Map KOYUK
 64° 55' 48" N 161° 09' 38" W (NAD 83)
 Approximate Elevation: 20'
 Township 6 South, Range 12 West, K.R.M., AK
 U.S.G.S. Quadrangle "NORTON BAY D-5," Alaska
 CAPE NOME RECORDING DISTRICT

LEGEND

Residential Building	Sewer Line
Commercial Building	Sewer Force Main
Public Building	Water Line
Berry Picking	Electric Line w/pole
Periodic Flooding	Underground Telephone Line
BLK. 9 L5/L17 BLM Monument	Fuel Line
	Pole
	Runway Lights

SCALE: 1"=100'
 Date of Photography: June 27, 2004
 Magnetic Declination computed by U.S.G.S. Geomag Program using AK-2000.COF model as of August 15, 2004
 SCALE IN FEET
 SHEET 1 of 3

KOYUK COMMUNITY MAP SHEET 1 1"=100' (2004 PHOTOGRAPHY)

KOYUK TOWNSITE - BLOCK 1			
Lot 3	Deed to BSRHA	Bk. 315, Pgs. 952-953	8/08/86
Lots 4-5	Trustee Deed to City of Koyuk	Bk. 314, Pg. 907	1/08/86
Lots 6-13	Leased to Bering Strait School Dist.	2002-000024-0	1/10/02
KOYUK TOWNSITE - BLOCK 2			
Lot 5	Trustee Deed to AVEC	Bk. 321, Pgs. 119-120	6/15/88
Lot 6	Trustee Deed to City of Koyuk	Bk. 320, Pgs. 825-826	5/03/88
Lot 7	PLO to Department of Army		
KOYUK TOWNSITE - BLOCK 3			
Lots 2, 9, 11	Deed to BSRHA	Bk. 315, Pgs. 952-953	8/08/86
Lot 4	Quit Claim Deed to City of Koyuk	Bk. 321, Pgs. 133-137	6/15/88
Lots 5, 7, 12, 13	Trustee Deed to City of Koyuk	Bk. 314, Pg. 908	1/08/86
Lot 8	Quit Claim Deed to BSRHA	Bk. 320, Pg. 193	2/18/88
Lot 14	Quit Claim Deed to City of Koyuk	Bk. 329, Pg. 671	4/05/91
KOYUK TOWNSITE - BLOCK 4			
Lots 4, 9	Trustee Deed to Koyuk Convent	Bk. 320, Pgs. 973-974	5/27/88
Lot 5	Trustee Deed to City of Koyuk	Bk. 314, Pg. 909	1/08/86
Lot 6	Deed to BSRHA	Bk. 315, Pgs. 952-953	8/08/86
Lot 12	Leased to Mukluk Tele. Co. Inc.	Bk. 299, Pgs. 293-295	10/16/81
Lot 13	Trustee Deed to City of Koyuk	Bk. 314, Pg. 910	1/08/86
KOYUK TOWNSITE - BLOCK 5			
Lot 1	Deed to BSRHA	Bk. 315, Pgs. 952-953	8/08/86
Lots 2, 4, 5	Trustee Deed to City of Koyuk	Bk. 314, Pg. 911	1/08/86
Lots 7, 8	Quit Claim Deed to Koyuk Native Corporation	Bk. 331, Pgs. 675-676	12/06/91
KOYUK TOWNSITE - BLOCK 6			
Lots 1-3, 6, 7	Trustee Deed to City of Koyuk	Bk. 314, Pg. 912	1/08/86
Lot 4	Trustee Deed to City of Koyuk	Bk. 314, Pg. 913	1/08/86
Lot 5	Quit Claim Deed to the Native Village of Koyuk	Bk. 341, Pgs. 412-413	11/01/95
KOYUK TOWNSITE - BLOCK 7			
Lots 1-7, 10, 11	Trustee Deed to City of Koyuk	Bk. 314, Pg. 914	1/08/86
KOYUK TOWNSITE - BLOCK 9			
Lot 5	Deed to BSRHA	Bk. 315, Pgs. 952-953	8/08/86
Lot 7-11, 17	Trustee Deed to City of Koyuk	Bk. 314, Pg. 916	1/08/86
KOYUK TOWNSITE - BLOCK 10			
Lot 3	Trustee Deed to City of Koyuk	Bk. 314, Pg. 917	1/08/86
KOYUK TOWNSITE - BLOCK 11			
Lots 1, 2	Deed to BSRHA	Bk. 315, Pgs. 952-953	8/08/86
Lots 4-11	Trustee Deed to City of Koyuk	Bk. 314, Pg. 918	1/08/86

KOYUK TOWNSITE ADDITION ONE- Plat No. 84-19			
BLOCK 13			
Lots 1, 3-10, 14	Quit Claim Deed to City of Koyuk	Bk. 331, Pg. 677	12/03/91
Lots 2, 11-12, 15	Quit Claim Deed to BSRHA	Bk. 349, Pg. 302	4/22/98
BLOCK 14			
Lots 1, 3-5, 8	Quit Claim Deed to City of Koyuk	Bk. 331, Pg. 677	12/03/91
Lots 6, 7	Quit Claim Deed to Koyuk IRA	Bk. 356, Pgs. 925-926	4/28/00
BLOCK 15			
Lots 1, 2, 4	Quit Claim Deed to City of Koyuk	Bk. 331, Pg. 677	12/03/91
Lots 3, 8	Quit Claim Deed to BSRHA	Bk. 349, Pg. 302	4/22/98
Lot 6	Quit Claim Deed to BSRHA	Bk. 349, Pg. 973	6/15/98
BLOCK 16			
Lots 1, 7, 9, 12-20	Quit Claim Deed to City of Koyuk	Bk. 331, Pg. 677	12/03/91
Lots 2-4, 6, 10-11	Quit Claim Deed to BSRHA	Bk. 349, Pg. 302	4/22/98
Lots 5, 8	Quit Claim Deed to BSRHA	Bk. 349, Pg. 973	6/15/98
RESUBDIVISION OF LOT 11, BLOCK 4 - Plat No. 91-03			
Lot 11B	Certificate of Ownership to BSRHA		5/14/91
KOYUK 1993 SUBDIVISION - Plat No. 94-09			
Lot 14A	Cert. of Ownership to Koyuk IRA		7/20/94
SUBDIVISION OF LOTS 3 & 6, BLOCK 5 - Plat No. 97-02			
Lot 3	Cert. of Ownership to City of Koyuk		3/11/97
Lot 6	Cert. of Ownership to Native Village of Koyuk		3/11/97

PUMP HOUSE
Utility Easement Parcel E-1
Deed of Easement to Koyuk Native Corporation
2003-000086-0
1/28/2003
Sec. 30
IC No. 597
Koyuk Native Corp.

Extent of Topographic Limits

Entire Land Area is Important for Subsistence Harvesting of Blueberries, Cranberries, Greens, and Roots

Entire Land Area is Important for Subsistence Harvesting of Blueberries, Cranberries, Greens, and Roots

BUILDING KEY

1. Sewage Lagoon	18. Pool Hall
2. Tank Farm(City,Nat. Corp.,School)	19. VPSO
3. AVEC Power Plant	20. Kindergarten and Preschool
4. Fuel Tank Headers	21. School Fuel Tank (Day Storage)
5. Library	22. Koyuk School
6. Cemetery	23. Lift Station and Tank
7. City Office Building	24. Cargo Storage Area/Ballpark
8. Post Office	25. Old High School Building
9. Koyuk Native Corp.(Office,Store,Apt's)	26. Health Clinic
10. Koyuk Native Store	27. City Garage
11. Gabe's Store and Private Res.	28. Corrine's Video
12. Covenant Church	29. FAA Station
13. Parsonage	30. FAA Wind Sensor (AWOS)
14. Water Treat. Plant, Tanks, Washeteria	31. Airport Hangar
15. GCI Dish	32. Water Line
16. IRA Office	33. Old Power Plant
17. Telephone Relay Station	34. Existing Health Clinic

MAP NOTES
This map was prepared by Kawerak Inc. in cooperation with the Alaska Department of Commerce, Community and Economic Development (Commerce) using funding from Commerce, the Bureau of Indian Affairs, the Alaska Native Tribal Health Consortium, the Village of Koyuk, and funding from the Initiative for Accelerated Infrastructure Development (IAID). The IAID is supported by grants from the Denali Commission, USDA Rural Development, Alaska Department of Transportation and Public Facilities and Commerce. The Mini-Grant Program is administered by the Department of Commerce, Community and Economic Development Division of Community Advocacy. Kawerak Inc. contracted with Global Positioning Services, Inc. in June of 2004 to prepare the map.

This map should not be construed as a survey. On-site surveys should be conducted prior to engineering or construction.

This map was compiled to meet horizontal and vertical accuracy in accordance with national map accuracy standards.

Property and utility information has been generated from readily available sources with limited accuracy checks. Property information is not intended to represent a title search of the Recorder's Office records. Utility location is approximate and shows only the main lines as the service lines have been omitted for clarity. Generally, the information is current as of May 2005.

The Alaska Native Tribal Health Consortium, and Village Safe Water provided sanitation facility records.

This map is based on photography acquired on June 27, 2004 at a nominal scale, of 1 in = 800 ft.

Aeromaps U.S. prepared the orthophoto and topographic mapping. The orthophoto is an aerial photo which has been corrected, by rectification to ground control stations, to remove distortions and warpage due to ground topography and aircraft tilt and trim.

HORIZONTAL AND VERTICAL CONTROL
The control monument for the digital orthophoto was N.G.S. "White Mountain". Published horizontal datum NAD 1983 coordinates for this monument are North 64° 41' 06.26423" and West 163° 24' 28.60853". The vertical datum NGVD 1929 for this monument is 282 feet above mean high water (MHW).

The Village of Koyuk has been adjusted to this control using high-precision GPS methods and the adjusted coordinates and elevation for Monument "Bk. 9-15/L17 USDI Cor.", were calculated to establish a local control reference. The NAD 1983 coordinates for this monument are North 64°55'53.7100" and West 161°09'28.1343" and the NAD-83 elevation is 19.93 feet above mean high water (MHW).

The contours were prepared at two (2) foot contour intervals with index contours every ten (10) feet.

Community Map KOYUK

64° 55' 48" N 161° 09' 38" W (NAD 83)
Approximate Elevation: 20'
Township 6 South, Range 12 West, K.R.M., AK
U.S.G.S. Quadrangle "NORTON BAY D-5," Alaska
CAPE NOME RECORDING DISTRICT

LEGEND

Residential Building	Sewer Line
Commercial Building	Sewer Force Main
Public Building	Water Line
Berry Picking	Electric Line w/pole
Periodic Flooding	Underground Telephone Line
BLM Monument	Fuel Line
	Pole
	Runway Lights

0 200 400 600
SCALE IN FEET

SCALE: 1"=200'
Date of Photography: June 27, 2004
Magnetic Declination computed by U.S.G.S. Geomag
Program using AK-2000.COF model as of August 15, 2004

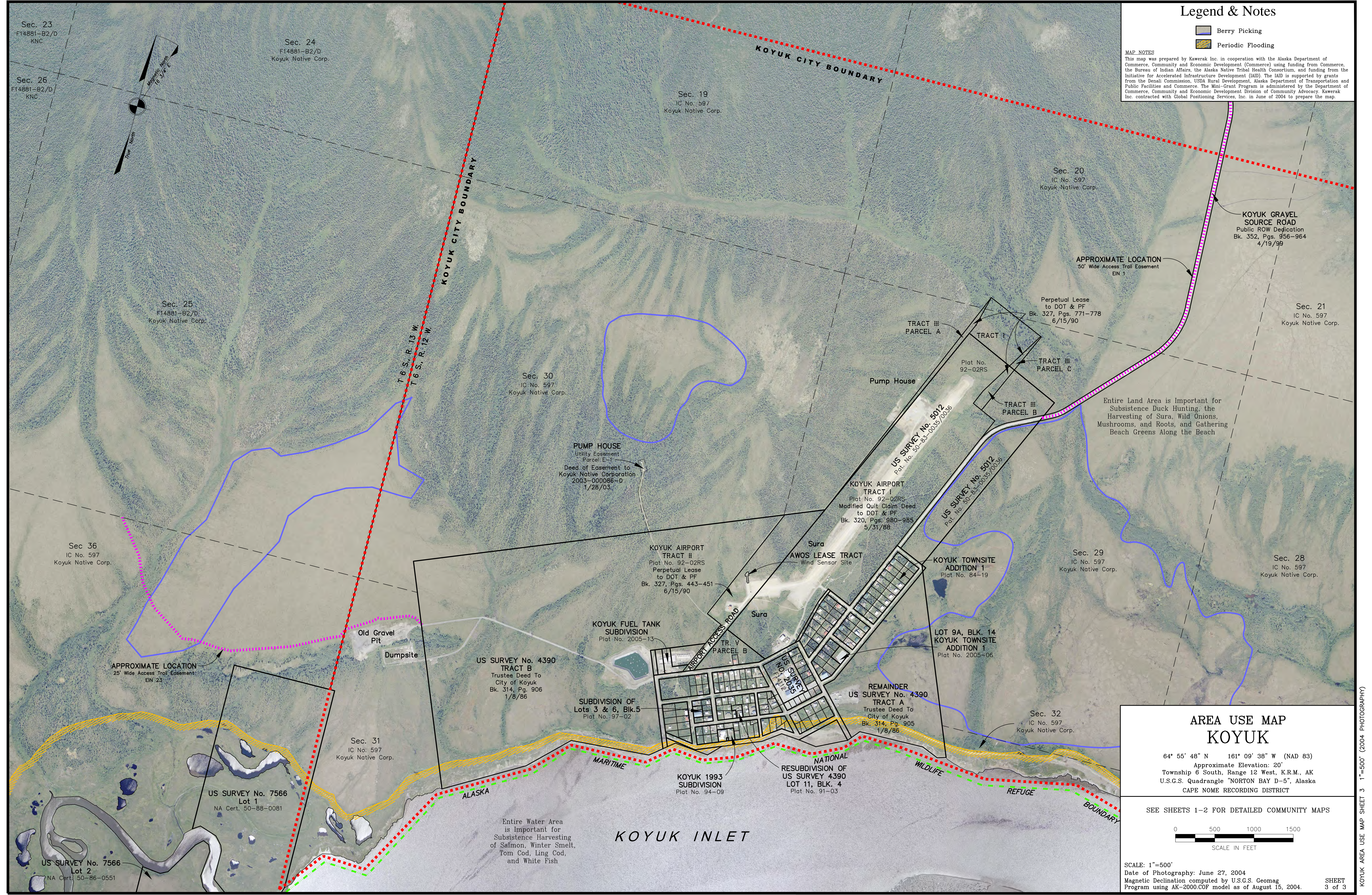
SHEET 2 of 3

Koyuk COMMUNITY MAP SHEET 2 1"=200' (2004 PHOTOGRAPHY)

Legend & Notes

- Berry Picking
- Periodic Flooding

MAP NOTES
 This map was prepared by Kowrak Inc. in cooperation with the Alaska Department of Commerce, Community and Economic Development (Commerce) using funding from Commerce, the Bureau of Indian Affairs, the Alaska Native Tribal Health Consortium, and funding from the Initiative for Accelerated Infrastructure Development (IAID). The IAID is supported by grants from the Denali Commission, USDA Rural Development, Alaska Department of Transportation and Public Facilities and Commerce. The Mini-Grant Program is administered by the Department of Commerce, Community and Economic Development Division of Community Advocacy. Kowrak Inc. contracted with Global Positioning Services, Inc. in June of 2004 to prepare the map.



AREA USE MAP KOYUK

64° 55' 48" N 161° 09' 38" W (NAD 83)
 Approximate Elevation: 20'
 Township 6 South, Range 12 West, K.R.M., AK
 U.S.G.S. Quadrangle "NORTON BAY D-5", Alaska
 CAPE NOME RECORDING DISTRICT

SEE SHEETS 1-2 FOR DETAILED COMMUNITY MAPS

SCALE IN FEET

SCALE: 1"=500'
 Date of Photography: June 27, 2004
 Magnetic Declination computed by U.S.G.S. Geomag Program using AK-2000.COF model as of August 15, 2004.

SHEET
3 of 3

KOYUK AREA USE MAP SHEET 3 1"=500' (2004 PHOTOGRAPHY)



WELL LOGS

APPENDIX B

WELTS - SEARCH RESULTS

LOG ID	PWSID	DRILLER	DATE OF COMPLETION	OWNER	REGION	PARCEL DESCRIPTION	LAS	WELL DEPTH	STATIC WATER DEPTH	DEPTH TO BEDROCK	MTRS	LATITUDE	LONGITUDE	TAI
12009		US BIA	10/24/1965	US BIA, KOYUK	Bering Straits REAA	KOYUK		75						Q
23497		US PHS	10/04/1965	US PHS, KOYUK	Bering Straits REAA	TAMARACK AND 4TH ST, KOYUK	LAS 14096	94	70	0	K006S012W31NE NE NE NE			B
23498	340167	US PHS	11/02/1973	US PHS, Koyuk	Bering Straits REAA	KOYUK, WASHETERIA W4; PWSID 340167 KOYUK PUBLIC WATER SYSTEM, WL001 (WTP Well); Location verified by ADEC.	ADL 75895	90	8	0	K006S012W31NW NE NE NE	64.9320984	-161.16246	B
23499		US PHS	11/01/1991	US PHS, KOYUK	Bering Straits REAA	NORTH END AIRPORT RUNWAY	LAS 14097	183	162	0	K006S012W29NW SE NW SW			B
24960	340167	DENALI DRILLING	07/19/1998	Koyuk, City Of	Bering Straits REAA	GKOY-2 KOYUK; PWSID 340167 KOYUK PUBLIC WATER SYSTEM, WL002 (Oksinuik South Well); Location verified by ADEC.	LAS 22816	15	7	0	K006S012W30SW SW NW SE	64.9380875	-161.173676	B
24961	340167	DENALI DRILLING	07/22/1998	Koyuk, City Of	Bering Straits REAA	GKOY-3 KOYUK; PWSID 340167 KOYUK PUBLIC WATER SYSTEM, WL003 (Oksinuik North Well); Location verified by ADEC.	LAS 22816	20	11.5	0	K006S012W30SW SW NW SE	64.9383316	-161.173965	B



DATABASE REPORT

APPENDIX C

Koyuk Tank Farms
Cottonwood Street
Koyuk, AK 99753

Inquiry Number: 7116276.2s
September 13, 2022

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	22
Government Records Searched/Data Currency Tracking	GR-1
 <u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-7
Physical Setting Source Map Findings	A-8
Physical Setting Source Records Searched	PSGR-1

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, LLC. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. This Report is provided on an "AS IS", "AS AVAILABLE" basis. **NO WARRANTY EXPRESS OR IMPLIED IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, LLC AND ITS SUBSIDIARIES, AFFILIATES AND THIRD PARTY SUPPLIERS DISCLAIM ALL WARRANTIES, OF ANY KIND OR NATURE, EXPRESS OR IMPLIED, ARISING OUT OF OR RELATED TO THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES REGARDING ACCURACY, QUALITY, CORRECTNESS, COMPLETENESS, COMPREHENSIVENESS, SUITABILITY, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, NON-INFRINGEMENT, MISAPPROPRIATION, OR OTHERWISE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, LLC OR ITS SUBSIDIARIES, AFFILIATES OR THIRD PARTY SUPPLIERS BE LIABLE TO ANYONE FOR ANY DIRECT, INCIDENTAL, INDIRECT, SPECIAL, CONSEQUENTIAL OR OTHER DAMAGES OF ANY TYPE OR KIND (INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, LOSS OF USE, OR LOSS OF DATA) INFORMATION PROVIDED IN THIS REPORT.** Any analyses, estimates, ratings, environmental risk levels, or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only an assessment performed by a qualified environmental professional can provide findings, opinions or conclusions regarding the environmental risk or conditions in, on or at any property.

Copyright 2022 by Environmental Data Resources, LLC. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, LLC, or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, LLC or its affiliates. All other trademarks used herein are the property of their respective owners.

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 (E1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

COTTONWOOD STREET
KOYUK, AK 99753

COORDINATES

Latitude (North): 64.9319770 - 64° 55' 55.11"
Longitude (West): 161.1645060 - 161° 9' 52.22"
Universal Transverse Mercator: Zone 4
UTM X (Meters): 397681.0
UTM Y (Meters): 7202431.0
Elevation: 71 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: N/A
Source: U.S. Geological Survey

MAPPED SITES SUMMARY

Target Property Address:
COTTONWOOD STREET
KOYUK, AK 99753

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	KOYUK NATIVE CORPORA	JOHN CHARLES ALLOTME	SHWS, INST CONTROL	Lower	1 ft.
A2	KOYUK WEATHER STATIO		FUDS	Lower	88, 0.017, South
B3	KOYUK ALASKA VILLAGE	2ND AVE. AND SPRUCE	US BROWNFIELDS	Lower	170, 0.032, SSE
B4	KOYUK NATIVE CORPORA	2ND ST & SPRUCE ST	EDR Hist Auto	Lower	170, 0.032, SSE
C5	KOYUK TANK FARM - AL	GENERAL DELIVERY	AST	Higher	367, 0.070, West
C6	KOYUK TANK FARM - KO	PO BOX 53050	AST	Higher	426, 0.081, West
C7	KOYUK TANK FARM - CI	PO BOX 53029	AST	Lower	476, 0.090, West
D8	KOYUK OLD AVEC TANK	CORNER OF SPRUCE AND	SHWS, BROWNFIELDS	Lower	602, 0.114, ESE
D9	ALASKA ARMY NATIONAL		AST	Lower	665, 0.126, ESE
10	DOT&PF KOYUK APT		AST	Higher	714, 0.135, NNE
E11	ALASKA VILLAGE ELECT		AST	Lower	989, 0.187, East
E12	ADOT, AIRPORT		AST	Lower	989, 0.187, East
E13	BEACH (UNKNOWN)		AST	Lower	989, 0.187, East
E14	KOYUK TANK FARM - BE		AST	Lower	989, 0.187, East
E15	KELLINDAVIK LLC		US MINES	Lower	1023, 0.194, ESE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

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

Lists of Federal Delisted NPL sites

Delisted NPL..... National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS..... Corrective Action Report

Lists of Federal RCRA TSD facilities

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Lists of Federal RCRA generators

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-SQG..... RCRA - Small Quantity Generators
RCRA-VSQG..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System

EXECUTIVE SUMMARY

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROLS..... Institutional Controls Sites List

Federal ERNS list

ERNS..... Emergency Response Notification System

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF..... Solid Waste Facilities

Lists of state and tribal leaking storage tanks

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

Lists of state and tribal registered storage tanks

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

State and tribal institutional control / engineering control registries

ENG CONTROLS..... Engineering Controls Site Listing

Lists of state and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing
VCP..... Voluntary Cleanup Program sites

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY..... Recycling Facilities
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
ODI..... Open Dump Inventory
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register
CDL..... Illegal Drug Manufacturing Sites
US CDL..... National Clandestine Laboratory Register
AQUEOUS FOAM..... Former Fire Training Facility Assessments Listing
PFAS..... PFOS and PFOA stand for perfluorooctane sulfonate and perfluorooctanoic acid

Local Land Records

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

EXECUTIVE SUMMARY

SPILLS..... Spills Database
SPILLS 90..... SPILLS 90 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR..... RCRA - Non Generators / No Longer Regulated
DOD..... Department of Defense Sites
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR..... Financial Assurance Information
EPA WATCH LIST..... EPA WATCH LIST
2020 COR ACTION..... 2020 Corrective Action Program List
TSCA..... Toxic Substances Control Act
TRIS..... Toxic Chemical Release Inventory System
SSTS..... Section 7 Tracking Systems
ROD..... Records Of Decision
RMP..... Risk Management Plans
RAATS..... RCRA Administrative Action Tracking System
PRP..... Potentially Responsible Parties
PADS..... PCB Activity Database System
ICIS..... Integrated Compliance Information System
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS..... Material Licensing Tracking System
COAL ASH DOE..... Steam-Electric Plant Operation Data
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER..... PCB Transformer Registration Database
RADINFO..... Radiation Information Database
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS..... Incident and Accident Data
CONSENT..... Superfund (CERCLA) Consent Decrees
INDIAN RESERV..... Indian Reservations
FUSRAP..... Formerly Utilized Sites Remedial Action Program
UMTRA..... Uranium Mill Tailings Sites
LEAD SMELTERS..... Lead Smelter Sites
US AIRS..... Aerometric Information Retrieval System Facility Subsystem
ABANDONED MINES..... Abandoned Mines
FINDS..... Facility Index System/Facility Registry System
ECHO..... Enforcement & Compliance History Information
DOCKET HWC..... Hazardous Waste Compliance Docket Listing
UXO..... Unexploded Ordnance Sites
FUELS PROGRAM..... EPA Fuels Program Registered Listing
AIRS..... AIRS Facility Listing
COAL ASH..... Coal Ash Disposal Sites
DRYCLEANERS..... Drycleaner Facility Listing
Financial Assurance..... Financial Assurance Information Listing
NPDES..... Wastewater Discharge Permit Listing
UIC..... UIC Information
MINES MRDS..... Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP..... EDR Proprietary Manufactured Gas Plants

EXECUTIVE SUMMARY

EDR Hist Cleaner..... EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

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

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

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

STANDARD ENVIRONMENTAL RECORDS

Lists of state- and tribal hazardous waste facilities

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

A review of the SHWS list, as provided by EDR, and dated 07/21/2021 has revealed that there are 2 SHWS sites within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
KOYUK NATIVE CORPORA Facility Status: Active Hazard ID: 3101	JOHN CHARLES ALLOTME	0 - 1/8 (0.000 mi.)	A1	8
KOYUK OLD AVEC TANK Facility Status: Active Hazard ID: 25515	CORNER OF SPRUCE AND	ESE 0 - 1/8 (0.114 mi.)	D8	17

Lists of state and tribal registered storage tanks

AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Pollution Control & Ecology's RST Owner & Facilities database.

A review of the AST list, as provided by EDR, and dated 05/23/2022 has revealed that there are 9 AST

EXECUTIVE SUMMARY

sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
KOYUK TANK FARM - AL	GENERAL DELIVERY	W 0 - 1/8 (0.070 mi.)	C5	17
KOYUK TANK FARM - KO	PO BOX 53050	W 0 - 1/8 (0.081 mi.)	C6	17
DOT&PF KOYUK APT		NNE 1/8 - 1/4 (0.135 mi.)	10	19
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
KOYUK TANK FARM - CI	PO BOX 53029	W 0 - 1/8 (0.090 mi.)	C7	17
ALASKA ARMY NATIONAL		ESE 1/8 - 1/4 (0.126 mi.)	D9	19
ALASKA VILLAGE ELECT		E 1/8 - 1/4 (0.187 mi.)	E11	20
ADOT, AIRPORT		E 1/8 - 1/4 (0.187 mi.)	E12	20
BEACH (UNKNOWN)		E 1/8 - 1/4 (0.187 mi.)	E13	20
KOYUK TANK FARM - BE		E 1/8 - 1/4 (0.187 mi.)	E14	21

State and tribal institutional control / engineering control registries

INST CONTROL: Contaminated sites that have institutional controls.

A review of the INST CONTROL list, as provided by EDR, and dated 07/21/2021 has revealed that there is 1 INST CONTROL site within approximately 0.5 miles of the target site property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
KOYUK NATIVE CORPORA Facility Status: Active Hazard ID: 3101	JOHN CHARLES ALLOTME	0 - 1/8 (0.000 mi.)	A1	8

Lists of state and tribal brownfield sites

BROWNFIELDS: 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.

A review of the BROWNFIELDS list, as provided by EDR, and dated 07/21/2021 has revealed that there is 1 BROWNFIELDS site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
KOYUK OLD AVEC TANK Facility Status: Active Hazard ID: 25515	CORNER OF SPRUCE AND	ESE 0 - 1/8 (0.114 mi.)	D8	17

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

A review of the US BROWNFIELDS list, as provided by EDR, and dated 02/23/2022 has revealed that there is 1 US BROWNFIELDS site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
KOYUK ALASKA VILLAGE ACRES property ID: 146566 Cleanup Completion Date: -	2ND AVE. AND SPRUCE	SSE 0 - 1/8 (0.032 mi.)	B3	14

Other Ascertainable Records

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

A review of the FUDS list, as provided by EDR, and dated 05/11/2022 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
KOYUK WEATHER STATIO		S 0 - 1/8 (0.017 mi.)	A2	13

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

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

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
KELLINDAVIK LLC Database: US MINES, Date of Government Version: 08/03/2022 Mine ID:: 5001981		ESE 1/8 - 1/4 (0.194 mi.)	E15	21

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR

EXECUTIVE SUMMARY

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

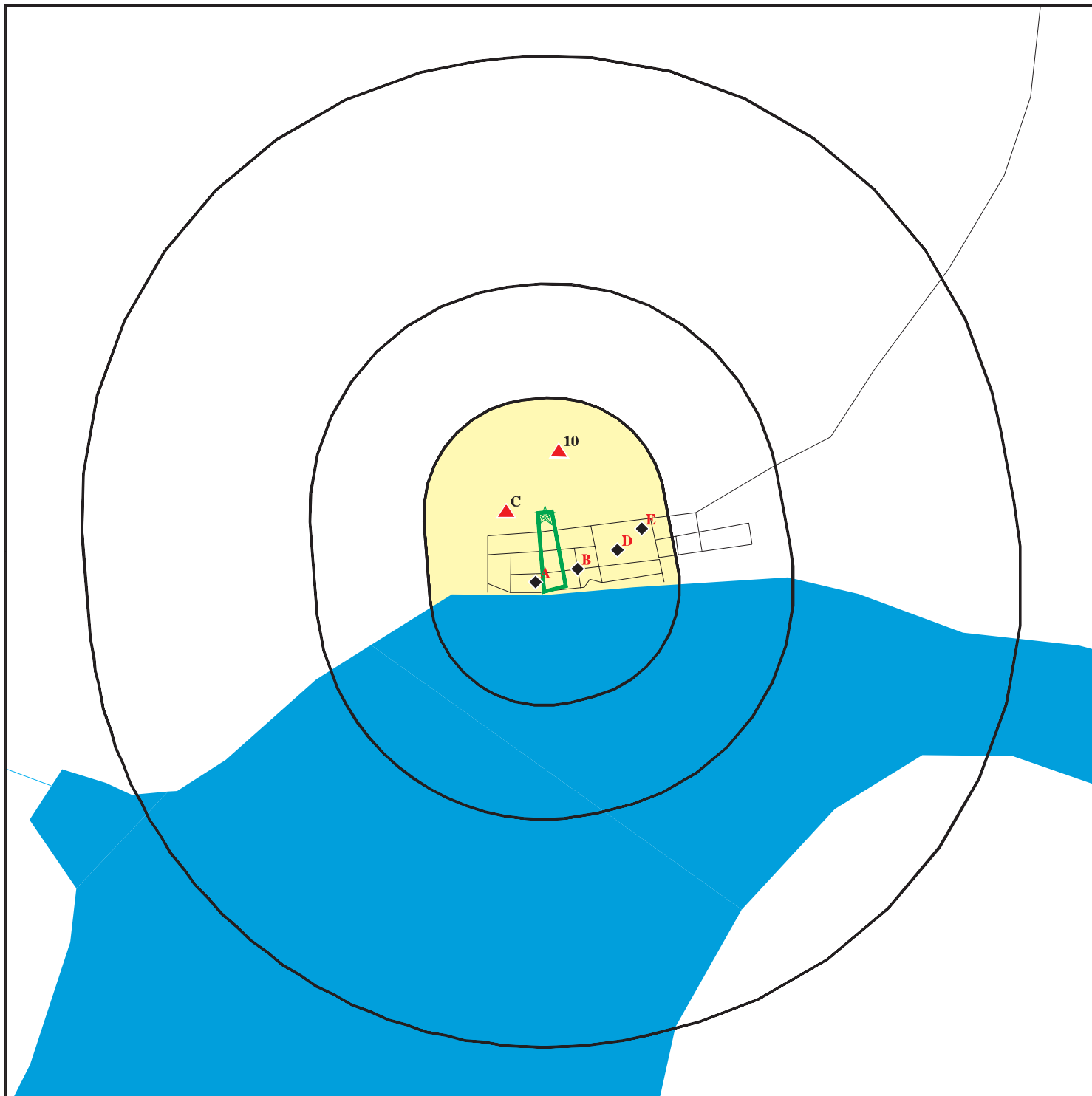
A review of the EDR Hist Auto list, as provided by EDR, has revealed that there is 1 EDR Hist Auto site within approximately 0.125 miles of the target property.







<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
KOYUK NATIVE CORPORA	2ND ST & SPRUCE ST	SSE 0 - 1/8 (0.032 mi.)	B4	16

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 7116276.2S



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



 Indian Reservations BIA

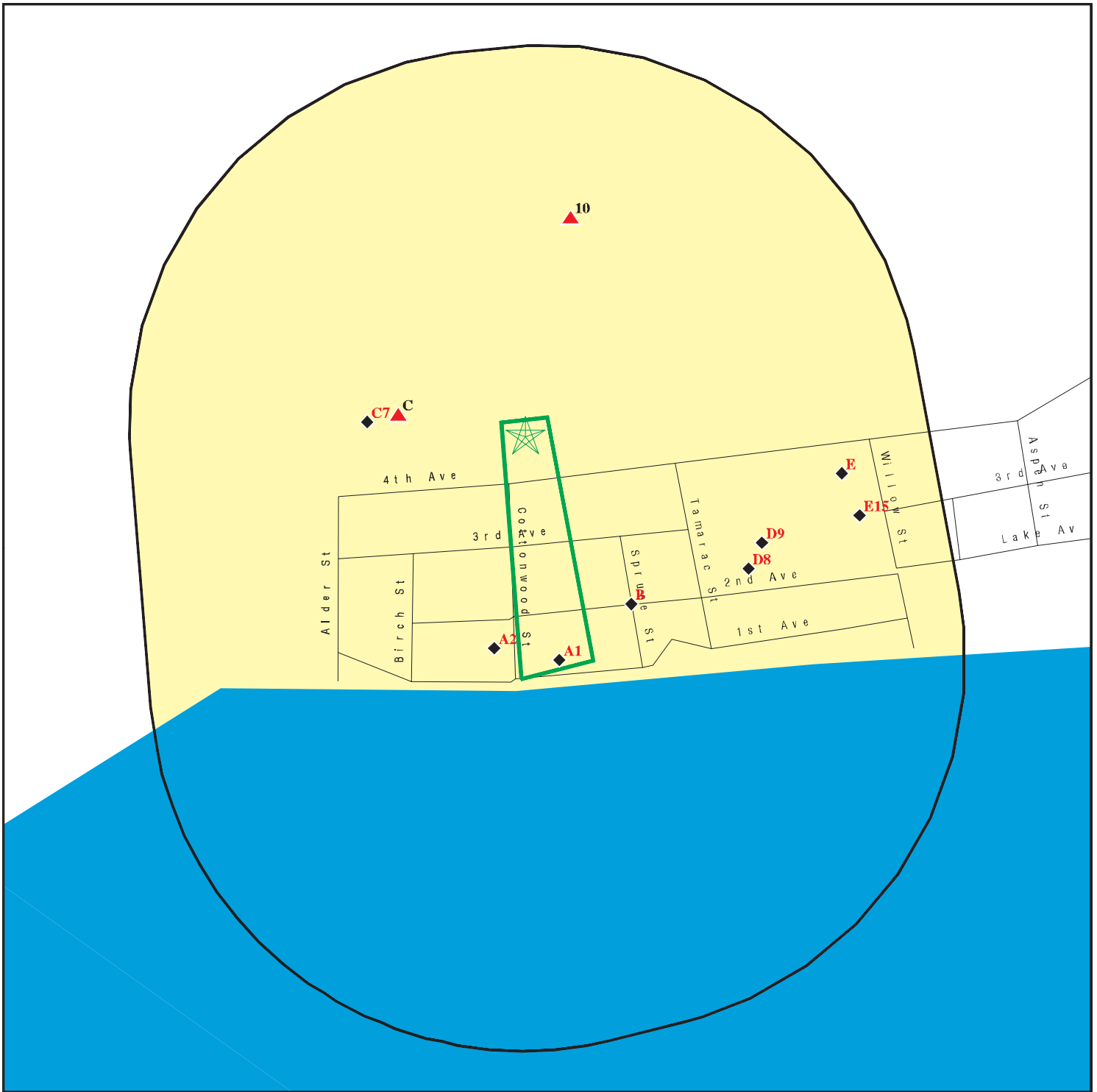









This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Koyuk Tank Farms
 ADDRESS: Cottonwood Street
 Koyuk AK 99753
 LAT/LONG: 64.931977 / 161.164506

CLIENT: NewFields
 CONTACT: Sam Berkelhammer
 INQUIRY #: 7116276.2s
 DATE: September 13, 2022 3:41 pm

DETAIL MAP - 7116276.2S



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



 Indian Reservations BIA



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: Koyuk Tank Farms
 ADDRESS: Cottonwood Street
 Koyuk AK 99753
 LAT/LONG: 64.931977 / 161.164506

CLIENT: NewFields
 CONTACT: Sam Berkelhammer
 INQUIRY #: 7116276.2s
 DATE: September 13, 2022 3:41 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Lists of Federal NPL (Superfund) sites</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<i>Lists of Federal Delisted NPL sites</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Lists of Federal sites subject to CERCLA removals and CERCLA orders</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Lists of Federal CERCLA sites with NFRAP</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Lists of Federal RCRA facilities undergoing Corrective Action</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Lists of Federal RCRA TSD facilities</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Lists of Federal RCRA generators</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	0.001		0	NR	NR	NR	NR	0
<i>Lists of state- and tribal hazardous waste facilities</i>								
SHWS	1.000		2	0	0	0	NR	2
<i>Lists of state and tribal landfills and solid waste disposal facilities</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>Lists of state and tribal leaking storage tanks</i>								
LUST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
<i>Lists of state and tribal registered storage tanks</i>								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		3	6	NR	NR	NR	9
INDIAN UST	0.250		0	0	NR	NR	NR	0
<i>State and tribal institutional control / engineering control registries</i>								
ENG CONTROLS	0.500		0	0	0	NR	NR	0
INST CONTROL	0.500		1	0	0	NR	NR	1
<i>Lists of state and tribal voluntary cleanup sites</i>								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
<i>Lists of state and tribal brownfield sites</i>								
BROWNFIELDS	0.500		1	0	0	NR	NR	1
<u>ADDITIONAL ENVIRONMENTAL RECORDS</u>								
<i>Local Brownfield lists</i>								
US BROWNFIELDS	0.500		1	0	0	NR	NR	1
<i>Local Lists of Landfill / Solid Waste Disposal Sites</i>								
SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
<i>Local Lists of Hazardous waste / Contaminated Sites</i>								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
AQUEOUS FOAM	0.500		0	0	0	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
<i>Local Land Records</i>								
LIENS 2	0.001		0	NR	NR	NR	NR	0
<i>Records of Emergency Release Reports</i>								
HMIRS	0.001		0	NR	NR	NR	NR	0
SPILLS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
<i>Other Ascertainable Records</i>								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FUDS	1.000		1	0	0	0	NR	1
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	1	NR	NR	NR	1
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS	0.001		0	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
MINES MRDS	0.001		0	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		1	NR	NR	NR	NR	1
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
<u>EDR RECOVERED GOVERNMENT ARCHIVES</u>								
<i>Exclusive Recovered Govt. Archives</i>								
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	10	7	0	0	0	17

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

A1 **KOYUK NATIVE CORPORATION TANK FARM** **SHWS** **S109347421**
JOHN CHARLES ALLOTMENT LOT 9 **INST CONTROL** **N/A**
 < 1/8 **KOYUK, AK 99753**
 1 ft.

Site 1 of 2 in cluster A

Relative:
Lower
Actual:
14 ft.

SHWS:

Name: KOYUK NATIVE CORPORATION TANK FARM
Address: JOHN CHARLES ALLOTMENT LOT 9
City,State,Zip: KOYUK, AK 99753
File Number: 610.38.003
Staff: IC Unit, 9074655229 ; dec.icunit@alaska.gov
Facility Status: Active
Latitude: 64.929856
Longitude: -161.162999
Hazard ID: 3101
Problem: Report of historical spills at fuel tank farm by neighbor on adjacent property. Repeated complaints to Koyuk Native Corporation (KNC) resulted in no cleanup or change in fuel containment facilities or operation practices. U.S.D.I. B.I.A. Land Management Services hydrologist inspected property 7/16/98 and observed a valve leaking gasoline and overall poor facility condition, however no other visible signs of recent spills. No soil, water, or waste samples were analyzed, however a full site characterization was recommended by the inspector. Tank Farm is on Lot 9, Block 9. Charles cabin (complainant) is on Lot 12, Block 9, USS4390 John Charles Allotment. Lot 9 drains onto lot 12 to the south. Reportedly, a Gas spill occurred at the TF around 1993, and an oil spill occurred around 1988, which flowed onto the lot 12 property. U.S. Coast Guard issued 6/12/1997 letter of warning to Koyuk Native Corporation for Fuel Tank Farm lack of discharge containment and other requirements amounting to 8 violations of the Code of Federal Regulations. U.S. Coast Guard issued notification of civil penalties 9/1/1999 following 7/6/1999 inspection for 6 violations of Code of Federal Regulations. The Koyuk Native Corporation (KNC) owns Tank Farm (TF) 3 and TF 6 as per the DCRA Div. of Energy Bulk Fuel Community Database (see copy in file: printout dated May 31, 2001). TF 3 (Lot 9) has impacted the Charles property (Lot 12). Minor leakage was observed from the tank joints in KNC TF 3 in the site reconnaissance work plan dated June 1, 2001. A gasoline line running across the Charles' property for fueling boats was dripping at the time of the inspection by BIA Hydrologist John Brown on 7/16/98. KNC's TF 6 showed no leaks. The December 2001 Site Reconnaissance Report by Bristol E&E shows analysis of samples collected 9-24-01 with levels of benzene at 0.24 mg/kg in soil sample KYK-S-007 and DRO at 108,000 mg/kg in soil sample KYK-S-009.

Actions:

Action Date: 8/9/2005
Action: GIS Position Updated
DEC Staff: Torsten Ernst
Action Description: Reviewed site location due to new status as potential BF site. Unsure of correct site location, update metadata fields to reflect uncertainty.

Action Date: 8/19/2013
Action: Update or Other Action
DEC Staff: Joshua Barsis
Action Description: This tank farm originally consisted of five above ground storage tanks (ASTs); three vertical and two horizontal. During a site visit in August of 2013 by the Solid Waste Program (SWP), only the two

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KOYUK NATIVE CORPORATION TANK FARM (Continued)

S109347421

horizontal ASTs remained at this site. The three vertical standing ASTs were removed. According to the SWP, the horizontal tanks were situated on black plastic directly on the ground and the plastic was torn in multiple places. The site is located 250 feet from the Koyuk River.

Action Date: 7/16/1998
Action: Update or Other Action
DEC Staff: Grant Lidren
Action Description: On this date, U.S.D.I. B.I.A. Land Management Services hydrologist inspected property 7/16/98 and observed a valve leaking gasoline and overall poor facility condition, however no other visible signs of recent spills. No soil, water, or waste samples were analyzed, however a full site characterization was recommended by the inspector. Tank Farm is on Lot 9, Block 9. Charles cabin (complainant) is on Lot 12, Block 9, USS4390 John Charles Allotment. Lot 9 drains onto lot 12 to the south. Reportedly, a Gas spill occurred at the TF around 1993, and an oil spill occurred around 1988, which flowed onto the lot 12 property. Reportedly fuel from the tank farm has historically flowed onto the property evident by sheening.

Action Date: 7/13/2004
Action: Update or Other Action
DEC Staff: Sarah Cunningham
Action Description: File number changed from 610.02.003 to 610.38.003

Action Date: 6/26/2019
Action: Institutional Control Compliance Review
DEC Staff: Mossy Mead
Action Description: An NEC reminder letter e-mailed to the responsible party on this date. Not reported

Action Date: 6/14/2018
Action: Institutional Control Update
DEC Staff: Kristin Thompson
Action Description: A letter was issued as a reminder of the NEC currently recorded on the property.

Action Date: 5/5/2017
Action: Institutional Control Update
DEC Staff: Kristin Thompson
Action Description: A letter was issued as a reminder of the NEC currently recorded on the property.

Action Date: 5/19/2004
Action: Site Number Identifier Changed
DEC Staff: No Longer Assigned
Action Description: Corrected Region from 31 to 32.

Action Date: 4/9/2015
Action: Public Notice
DEC Staff: Joshua Barsis
Action Description: Notice of Environmental Contamination recorded on this day

Action Date: 4/9/2015
Action: Institutional Control Record Established

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KOYUK NATIVE CORPORATION TANK FARM (Continued)

S109347421

DEC Staff: IC Unit
Action Description: Institutional Controls established and entered into the database.

Action Date: 4/6/2015
Action: Update or Other Action
DEC Staff: Joshua Barsis
Action Description: Letter sent with draft Notice of Environmental Contamination (NEC)

Action Date: 4/21/2016
Action: Institutional Control Update
DEC Staff: Nathan Maxwell
Action Description: Issued a letter as a reminder of the NEC currently on the property.

Action Date: 4/17/2008
Action: Exposure Tracking Model Ranking
DEC Staff: Grant Lidren
Action Description: Initial ranking with ETM completed.

Action Date: 3/23/2012
Action: Update or Other Action
DEC Staff: Grant Lidren
Action Description: ADEC received a letter from the KNC on this date. KNC plans on assessing the KNC TF during the summer of 2012.

Action Date: 2/5/2001
Action: Site Ranked Using the AHRM
DEC Staff: Bruce Wanstall
Action Description: Preliminary ranking. Site access changed from 2 to 0; historical spills, contamination underground. Reported spills occurred 5-7 years ago.

Action Date: 2/27/2012
Action: Update or Other Action
DEC Staff: Grant Lidren
Action Description: Spoke with KNC on this date. KNC will send ADEC a letter addressing their intended actions with respect to this pollution incident.

Action Date: 2/23/2011
Action: Update or Other Action
DEC Staff: Pam Clemens
Action Description: Spoke with Ruth Otton, President of Koyuk Native Corporation. She informed me that a new consolidated tank farm was constructed in 2003 or 2004. The old tank farm is not in use and the Corporation is exploring funding to reuse the old tank farm area.

Action Date: 2/23/2011
Action: Exposure Tracking Model Ranking
DEC Staff: Pam Clemens
Action Description: A new updated ranking with ETM has been completed for source area 74076 Koyuk Native Corp. ASTs.

Action Date: 12/3/2008
Action: Update or Other Action
DEC Staff: Pam Clemens
Action Description: Changed site name to properly reflect the contaminated site's responsible party and location.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KOYUK NATIVE CORPORATION TANK FARM (Continued)

S109347421

Action Date: 12/2/2008
Action: Update or Other Action
DEC Staff: Pam Clemens
Action Description: Updated problem statement. Need current information to re-rank this site in the ETM.

Action Date: 12/17/2001
Action: Update or Other Action
DEC Staff: Grant Lidren
Action Description: Site Reconnaissance Report Koyuk, Alaska submitted by Bristol and recieved by the ADEC on this date. Four AST locations were analyzed for contamination. These sites include: Bering Straights School District Tank Farm, Alaska Village Electric Coop. Tank Farm, Koyuk Native Corp. Tank Farm, and city of Koyuk Tank Farm. Out of these four sites only Koyuk Native Corporation Tank Farm had contamination up to 0.24 mg/kg benzene at 5 feet bgs within the GW interface, and 108,000 mg/kg DRO at 2 feet bgs within the groundwater interface.

Action Date: 11/29/2006
Action: Update or Other Action
DEC Staff: Aggie Blandford
Action Description: Staff transferred from Pikul to Jaynes.

Action Date: 11/29/1999
Action: Update or Other Action
DEC Staff: Greg Light
Action Description: Note to file: U.S. Coast Guard personnel visited site 6/99 and observed no evidence of contaminated surface soil associated with the Native Store Tank Farm.

Action Date: 11/12/2013
Action: Update or Other Action
DEC Staff: Joshua Barsis
Action Description: Letter sent on this day with brief site history, request for contact, and other pertinent information.

Action Date: 11/12/2013
Action: Exposure Tracking Model Ranking
DEC Staff: Joshua Barsis
Action Description: A new updated ranking with ETM has been completed for source area 74076 Koyuk Native Corp. ASTs.

Action Date: 10/4/2011
Action: Update or Other Action
DEC Staff: Grant Lidren
Action Description: ADEC sent an Contaminated Site Notification letter on this date.

Action Date: 10/31/2001
Action: Update or Other Action
DEC Staff: David Pikul
Action Description: LC 14897060 established.

Action Date: 10/30/2009
Action: Update or Other Action
DEC Staff: Pam Clemens
Action Description: Updated affiliates tab.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KOYUK NATIVE CORPORATION TANK FARM (Continued)

S109347421

Action Date: 10/11/2001
Action: Update or Other Action
DEC Staff: Bruce Wanstall
Action Description: VCP Letter Of Interest invitation sent to RP.

Action Date: 1/6/2000
Action: Site Ranked Using the AHRM
DEC Staff: Meilani Clark
Action Description: Initial ranking.

Action Date: 1/13/2012
Action: Potentially Responsible Party/State Interest Letter
DEC Staff: Grant Lidren
Action Description: PRP letter sent to Koyuk Native Corporation on this date

Action Date: 1/10/2000
Action: Site Added to Database
DEC Staff: Meilani Clark
Action Description: Gasoline and oil.

Contaminants:
Staff: IC Unit, 9074655229 ; dec.icunit@alaska.gov

Contaminate Name1: Koyuk Native Corporation Tank Farm
Contaminate Level Description1: Not reported
Contaminate Media1: Not reported

Control Type: Notice of Environmental Contamination
Control Details Description1: Not reported
Contaminant CTD: Not reported
Contaminant CDR: Not reported
Comments: Not reported

Inst Control:
Name: KOYUK NATIVE CORPORATION TANK FARM
Address: JOHN CHARLES ALLOTMENT LOT 9
City,State,Zip: KOYUK, AK 99753
Hazard ID: 3101
Facility Status: Active
Action: Institutional Control Record Established
Action Date: 4/9/2015
File Number: 610.38.003

Name: KOYUK NATIVE CORPORATION TANK FARM
Address: JOHN CHARLES ALLOTMENT LOT 9
City,State,Zip: KOYUK, AK 99753
Hazard ID: 3101
Facility Status: Active
Action: Institutional Control Update
Action Date: 4/21/2016
File Number: 610.38.003

Name: KOYUK NATIVE CORPORATION TANK FARM
Address: JOHN CHARLES ALLOTMENT LOT 9
City,State,Zip: KOYUK, AK 99753

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

KOYUK NATIVE CORPORATION TANK FARM (Continued)

S109347421

Hazard ID: 3101
 Facility Status: Active
 Action: Institutional Control Update
 Action Date: 5/5/2017
 File Number: 610.38.003

Name: KOYUK NATIVE CORPORATION TANK FARM
 Address: JOHN CHARLES ALLOTMENT LOT 9
 City,State,Zip: KOYUK, AK 99753
 Hazard ID: 3101
 Facility Status: Active
 Action: Institutional Control Update
 Action Date: 6/14/2018
 File Number: 610.38.003

Name: KOYUK NATIVE CORPORATION TANK FARM
 Address: JOHN CHARLES ALLOTMENT LOT 9
 City,State,Zip: KOYUK, AK 99753
 Hazard ID: 3101
 Facility Status: Active
 Action: Institutional Control Compliance Review
 Action Date: 6/26/2019
 File Number: 610.38.003

A2
South
< 1/8
0.017 mi.
88 ft.

KOYUK WEATHER STATION

FUDS 1024901115
N/A

NO CITY, AK

Site 2 of 2 in cluster A

Relative:
Lower
Actual:
20 ft.

FUDS:
 EPA Region: 10
 Installation ID: AK09799FA28800
 Congressional District Number: 0
 Name: KOYUK WEATHER STATION
 FUDS Number: F10AK1043
 City: NO CITY
 State: AK
 County: NOME CENSUS AREA
 Object ID: 8488
 USACE Division: POD
 USACE District: Alaska District (POA)
 Status: Properties without projects
 Current Owner: Not reported
 EMS Map Link: <https://fudsportal.usace.army.mil/ems/inventory/map?id=63256>
 Eligibility: Eligible
 Has Projects: No
 NPL Status: Not on the NPL
 Property History: Baez - 9/16/11: Located on the western edge of the village of Koyuk on the north shore of Koyuk Inlet of Norton Bay, the Koyuk Weather Station was used by the Army from February 1941 to April 1945. The site consisted of five buildings & five 40-foot antennas situated on approximately 10,000 square feet of land. A 1998 aerial photograph of the site reveals that only two of the five buildings remain: one of the quarters, & the warehouse. No Army real estate records have been found to indicate how the property was acquired, improved, or relinquished. The land & structures are owned by Lloyd & Ronald Kimoktoak & a nephew lives on the property with his family. No USACE

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

KOYUK WEATHER STATION (Continued)

1024901115

site visit was conducted. Ecology & Environment conducted a START investigation for EPA in October 1998. No significant sources of contamination were discovered, however, two soil samples confirmed the presence of diesel/motor oil & low concentrations of small numbers of organic chemicals, believed to be petroleum-related. All detected chemical levels were below ADEC clean-up levels & START does not suspect that contamination was attributable to former DoD site activity.

Project Required: No
 Feature Description: Not reported
 Latitude: 64.92988
 Longitude: -161.16451

B3
SSE
 < 1/8
 0.032 mi.
 170 ft.

**KOYUK ALASKA VILLAGE ELECTRIC COOPERATIVE POWER PL
 2ND AVE. AND SPRUCE ST.
 KOYUK, AK 99753**

**US BROWNFIELDS 1016392590
 N/A**

Site 1 of 2 in cluster B

Relative:
Lower
Actual:
28 ft.

US BROWNFIELDS:
 Name: KOYUK ALASKA VILLAGE ELECTRIC COOPERATIVE POWER PLANT (FORMER)
 Address: 2ND AVE. AND SPRUCE ST.
 City,State,Zip: KOYUK, AK 99753
 Recipient Name: R10 TBA - Alaska (STAG Funded)
 Grant Type: TBA
 Property Number: -
 Parcel size: 1
 Latitude: 64.93076
 Longitude: -161.15911
 HCM Label: Address Matching-House Number
 Map Scale: -
 Point of Reference: Entrance Point of a Facility or Station
 Highlights: -
 Datum: North American Datum of 1983
 Acres Property ID: 146566
 IC Data Access: -
 Start Date: -
 Redev Completion Date: -
 Completed Date: -
 Acres Cleaned Up: -
 Cleanup Funding: -
 Cleanup Funding Source: -
 Assessment Funding: 51210
 Assessment Funding Source: EPA
 Redevelopment Funding: -
 Redev. Funding Source: -
 Redev. Funding Entity Name: -
 Redevelopment Start Date: -
 Assessment Funding Entity: US EPA - TBA Funding
 Cleanup Funding Entity: -
 Grant Type: -
 Accomplishment Type: Phase II Environmental Assessment
 Accomplishment Count: Y
 Cooperative Agreement Number: n/a
 Start Date: 1/30/2012
 Ownership Entity: -
 Completion Date: 12/28/2012

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

KOYUK ALASKA VILLAGE ELECTRIC COOPERATIVE POWER PLANT (FORME (Continued))

1016392590

Current Owner:	Native Village of Koyuk
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	U
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	-
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controlled substance found:	-
Controlled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-
No media affected:	-
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	-
PCBs cleaned up:	-
Petro products found:	Y
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	Y
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	1
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	1

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

KOYUK ALASKA VILLAGE ELECTRIC COOPERATIVE POWER PLANT (FORME (Continued))

1016392590

Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	-
Property Description:	-
Below Poverty Number:	100
Below Poverty Percent:	37.88
Meidan Income:	999
Meidan Income Number:	188
Meidan Income Percent:	71.21
Vacant Housing Number:	54
Vacant Housing Percent:	42.22
Unemployed Number:	32
Unemployed Percent:	12.12

B4
SSE
 < 1/8
 0.032 mi.
 170 ft.

KOYUK NATIVE CORPORATION
2ND ST & SPRUCE ST
KOYUK, AK 99753

EDR Hist Auto 1021703562
N/A

Site 2 of 2 in cluster B

Relative: EDR Hist Auto
Lower

Actual: 28 ft.	Year:	Name:	Type:
	1992	KOYUK NATIVE CORPORATION	Gasoline Service Stations, NEC
	1993	KOYUK NATIVE CORPORATION	Gasoline Service Stations, NEC
	1997	KOYUK NATIVE CORPORATION	Gasoline Service Stations, NEC
	1998	KOYUK NATIVE CORPORATION	Gasoline Service Stations, NEC

MAP FINDINGS

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

C5 West < 1/8 0.070 mi. 367 ft.	KOYUK TANK FARM - ALASKA VILLAGE ELECTRIC COOPERAT GENERAL DELIVERY , AK 99753 Site 1 of 3 in cluster C	AST	A100519102 N/A
Relative: Higher	AST: No Details: No Details		
Actual: 74 ft.			

C6 West < 1/8 0.081 mi. 426 ft.	KOYUK TANK FARM - KOYUK NATIVE CORPORATION PO BOX 53050 , AK 99752 Site 2 of 3 in cluster C	AST	A100519100 N/A
Relative: Higher	AST: No Details: No Details		
Actual: 72 ft.			

C7 West < 1/8 0.090 mi. 476 ft.	KOYUK TANK FARM - CITY OF KOYUK PO BOX 53029 , AK 99753 Site 3 of 3 in cluster C	AST	A100519098 N/A
Relative: Lower	AST: No Details: No Details		
Actual: 70 ft.			

D8 ESE < 1/8 0.114 mi. 602 ft.	KOYUK OLD AVEC TANK FARM CORNER OF SPRUCE AND 2ND STREET KOYUK, AK 99753 Site 1 of 2 in cluster D	SHWS BROWNFIELDS	S110350867 N/A
Relative: Lower	SHWS: Name:		
Actual: 35 ft.	Address: City,State,Zip: File Number: Staff: Facility Status: Latitude: Longitude: Hazard ID: Problem:	KOYUK OLD AVEC TANK FARM CORNER OF SPRUCE AND 2ND STREET KOYUK, AK 99753 610.57.001 Janice Wiegers, 9074512127 ; janice.wiegers@alaska.gov Active 64.931000 -161.159000 25515 The Old AVEC Powerplant began operation around 1969. A new power plant was constructed and began operation in 2005. There has been one reported spill that occurred in 2001 which was a 15 - 20 gallon release of diesel 1. Other than that there has been no reported releases. The tank farm consists of eight tanks on the north side of the tank farm are contained in one bermed and lined area; the remaining tank in the southeast corner of the tank farm is in a separate lined area. A site reconnaissance of Koyuk was completed in	

MAP FINDINGS

KOYUK OLD AVEC TANK FARM (Continued)

S110350867

2001. The Native Village of Koyuk is interested in redeveloping the property because of its central location. It is currently located adjacent to the Community's Early Childhood Education building.

Actions:

- Action Date: 9/30/2013
- Action: Update or Other Action
- DEC Staff: Melinda Brunner
- Action Description: According to Mark Bryan, the Operations Manager for the Alaska Village Electric Cooperative (AVEC), AVEC removed and disposed of the tanks and power plant from the site at the end of 2012.

- Action Date: 9/19/2018
- Action: Update or Other Action
- DEC Staff: Chelsy Passmore
- Action Description: Alaska Department of Environmental Conservation (ADEC) reviewed site files of Alaska Village Electric Corp. sites and sent a letter to the AVEC main office requesting they contact ADEC by October 15, 2018 to schedule a meeting to discuss sites at which they are a responsible or potentially responsible party.

- Action Date: 5/24/2010
- Action: Site Added to Database
- DEC Staff: Deborah Williams
- Action Description: A new site has been added to the database

- Action Date: 4/2/2013
- Action: Report or Workplan Review - Other
- DEC Staff: Melinda Brunner
- Action Description: Brunner reviewed a report from EPA's Superfund Technical Assessment and Response Team describing a Targeted Brownfields Assessment done at the Koyuk Old AVEC Power Plant in 2012. The report is dated February 6, 2013, and contains a Phase I assessment of the site, as well as analytical testing results. According to the report, 11 soil samples were taken between two and six feet below ground surface, and then analyzed for diesel-range organics (DRO) and residual-range organics (RRO). Eight of the 11 soil samples contained DRO concentrations above DEC's migration-to-groundwater (MTG) cleanup level, with the maximum found concentration at 42,400 mg/kg. None of the samples contained RRO above DEC's MTG cleanup level.

- Action Date: 4/2/2013
- Action: Exposure Tracking Model Ranking
- DEC Staff: Melinda Brunner
- Action Description: Initial ranking with ETM completed for source area id: 79429 name: Aboveground Storage Tanks

- Action Date: 12/20/2018
- Action: Meeting or Teleconference Held
- DEC Staff: Chelsy Passmore
- Action Description: The ADEC hosted a meeting with the Alaska Village Electric Corporation (AVEC) to discuss the 14 AVEC sites currently on the contaminated sites database. AVEC CEO, and environmental consultant were in attendance as well as ADEC program managers, and site project managers. Individual site status and cleanup needs were discussed for each site, in addition to overall funding sources, level of priority and forward progress at the sites as a whole.

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

KOYUK OLD AVEC TANK FARM (Continued)

S110350867

Action Date: 11/1/2011
 Action: Brownfields Award
 DEC Staff: Sonja Benson
 Action Description: EPA approved the Native Village of Koyuk's request for a Targeted Brownfield Assessment(TBA) on this date. \$51,210 awarded to the Native Village of Koyuk for TBA.

Contaminants:
 Staff: Janice Wiegers, 9074512127 ; janice.wiegers@alaska.gov

Contaminate Name1: Koyuk Old AVEC Tank Farm
 Contaminate Level Description1: Not reported
 Contaminate Media1: Not reported

Control Type: Not reported
 Control Details Description1: Not reported
 Contaminant CTD: Not reported
 Contaminant CDR: Not reported
 Comments: Not reported

BROWNFIELDS:

Name: KOYUK OLD AVEC TANK FARM
 Address: CORNER OF SPRUCE AND 2ND STREET
 City,State,Zip: KOYUK, AK 99753
 Facility Status: Active
 File Number: 610.57.001
 Action Date: 11/1/2011
 Action: Brownfields Award
 Hazard ID: 25515

D9
ESE
1/8-1/4
0.126 mi.
665 ft.
Relative:
Lower
Actual:
40 ft.

ALASKA ARMY NATIONAL GUARD - KOYUK READINESS CENTE
, AK 99753
Site 2 of 2 in cluster D

AST A100517699
N/A

AST:
 No Details: No Details

10
NNE
1/8-1/4
0.135 mi.
714 ft.
Relative:
Higher
Actual:
148 ft.

DOT&PF KOYUK APT
KOYUK, AK 99753

AST A100505865
N/A

AST:
 Name: DOT&PF KOYUK APT
 Address: Not reported
 City,State,Zip: KOYUK, AK 99753
 Class 2 ID: 340
 Facility ID: Not reported
 Facility Type: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOT&PF KOYUK APT (Continued)

A100505865

Location: Not reported
Company: Alaska Department of Transportation and Public Facilities
Tank Number: KKA-001
Tank Capacity: 3000
Product: ULSD
Tank Use: Transportation
Tank Street Address: Not reported
Tank City: Koyuk
Tank State: AK
Tank Postal Code: 99753
Tank Longitude: -161.164203
Tank Latitude: 64.934125
Tank Type: Aboveground Storage Tank
Facility Longitude: -161.164203
Facility Latitude: 64.934125

E11
East
1/8-1/4
0.187 mi.
989 ft.
Relative:
Lower
Actual:
48 ft.

ALASKA VILLAGE ELECTRIC COOPERATIVE GENERAL DELIVE

AST A100513538
N/A

, AK
Site 1 of 5 in cluster E

AST:
No Details: No Details

E12
East
1/8-1/4
0.187 mi.
989 ft.
Relative:
Lower
Actual:
48 ft.

ADOT, AIRPORT

AST A100513537
N/A

, AK
Site 2 of 5 in cluster E

AST:
No Details: No Details

E13
East
1/8-1/4
0.187 mi.
989 ft.
Relative:
Lower
Actual:
48 ft.

BEACH (UNKNOWN)

AST A100513539
N/A

, AK
Site 3 of 5 in cluster E

AST:
No Details: No Details

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

E14 **KOYUK TANK FARM - BERING STRAIT SCHOOL DISTRICT**
East
1/8-1/4 **, AK 99753**
0.187 mi.
989 ft. **Site 4 of 5 in cluster E**
Relative: **AST:**
Lower **No Details:** **No Details**
Actual:
46 ft.

AST **A100517740**
 N/A

E15 **KELLINDAVIK LLC**
ESE
1/8-1/4 **NOME (County), AK**
0.194 mi.
1023 ft. **Site 5 of 5 in cluster E**
Relative: **US MINES:**
Lower **Sic Code(s):** **104100**
Actual: **Sic Code(s):** **000000**
37 ft. **Sic Code(s):** **000000**
 Sic Code(s): **000000**
 Sic Code(s): **000000**
 Sic Code(s): **000000**
 Mine ID: **5001981**
 Entity Name: **SWEEPSTAKES CREEK**
 Company: **KELLINDAVIK LLC**
 Status: **Intermittent (Included Seasonal**
 Status Date: **20200701**
 Operation Class: **2**
 Number of Shops: **0**
 Number of Plants: **0**
 Latitude Degree: **64**
 Longitude Degree: **161**
 Latitude Minute: **55**
 Latitude Seconds: **54**
 Longitude Minutes: **09**
 Longitude Seconds: **24**
 Number of Pits: **000**

US MINES **1026767140**
 N/A

Count: 0 records.

ORPHAN SUMMARY

<u>City</u>	<u>EDR ID</u>	<u>Site Name</u>	<u>Site Address</u>	<u>Zip</u>	<u>Database(s)</u>
NO SITES FOUND					

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

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: 07/26/2022	Source: EPA
Date Data Arrived at EDR: 08/02/2022	Telephone: N/A
Date Made Active in Reports: 08/22/2022	Last EDR Contact: 09/01/2022
Number of Days to Update: 20	Next Scheduled EDR Contact: 10/10/2022
	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: 07/26/2022	Source: EPA
Date Data Arrived at EDR: 08/02/2022	Telephone: N/A
Date Made Active in Reports: 08/22/2022	Last EDR Contact: 09/01/2022
Number of Days to Update: 20	Next Scheduled EDR Contact: 10/10/2022
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

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: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 20

Source: EPA
Telephone: N/A
Last EDR Contact: 09/01/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

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

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 06/24/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 09/06/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list 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). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 20

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/01/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS 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 the 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. The 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 potential NPL site.

Date of Government Version: 07/26/2022	Source: EPA
Date Data Arrived at EDR: 08/02/2022	Telephone: 800-424-9346
Date Made Active in Reports: 08/22/2022	Last EDR Contact: 09/01/2022
Number of Days to Update: 20	Next Scheduled EDR Contact: 10/24/2022
	Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/20/2022	Source: EPA
Date Data Arrived at EDR: 06/21/2022	Telephone: 800-424-9346
Date Made Active in Reports: 06/28/2022	Last EDR Contact: 06/21/2022
Number of Days to Update: 7	Next Scheduled EDR Contact: 10/03/2022
	Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 06/20/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/21/2022	Telephone: (206) 553-1200
Date Made Active in Reports: 06/28/2022	Last EDR Contact: 06/21/2022
Number of Days to Update: 7	Next Scheduled EDR Contact: 10/03/2022
	Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 06/20/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/21/2022	Telephone: (206) 553-1200
Date Made Active in Reports: 06/28/2022	Last EDR Contact: 06/21/2022
Number of Days to Update: 7	Next Scheduled EDR Contact: 10/03/2022
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 06/20/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/21/2022	Telephone: (206) 553-1200
Date Made Active in Reports: 06/28/2022	Last EDR Contact: 06/21/2022
Number of Days to Update: 7	Next Scheduled EDR Contact: 10/03/2022
	Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

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

Date of Government Version: 06/20/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/21/2022	Telephone: (206) 553-1200
Date Made Active in Reports: 06/28/2022	Last EDR Contact: 06/21/2022
Number of Days to Update: 7	Next Scheduled EDR Contact: 10/03/2022
	Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

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: 05/16/2022	Source: Department of the Navy
Date Data Arrived at EDR: 05/19/2022	Telephone: 843-820-7326
Date Made Active in Reports: 07/29/2022	Last EDR Contact: 08/03/2022
Number of Days to Update: 71	Next Scheduled EDR Contact: 11/21/2022
	Data Release Frequency: Varies

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: 05/16/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/24/2022	Telephone: 703-603-0695
Date Made Active in Reports: 07/29/2022	Last EDR Contact: 08/17/2022
Number of Days to Update: 66	Next Scheduled EDR Contact: 12/05/2022
	Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

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: 05/16/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/24/2022	Telephone: 703-603-0695
Date Made Active in Reports: 07/29/2022	Last EDR Contact: 08/17/2022
Number of Days to Update: 66	Next Scheduled EDR Contact: 12/05/2022
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 06/14/2022	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 06/15/2022	Telephone: 202-267-2180
Date Made Active in Reports: 06/21/2022	Last EDR Contact: 06/15/2022
Number of Days to Update: 6	Next Scheduled EDR Contact: 10/03/2022
	Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

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: 07/21/2021	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 07/22/2021	Telephone: 907-451-2143
Date Made Active in Reports: 10/13/2021	Last EDR Contact: 08/02/2022
Number of Days to Update: 83	Next Scheduled EDR Contact: 11/21/2022
	Data Release Frequency: Semi-Annually

Lists of state and tribal landfills and solid waste disposal facilities

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: 06/03/2022	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 06/15/2022	Telephone: 907-269-7632
Date Made Active in Reports: 09/01/2022	Last EDR Contact: 06/14/2022
Number of Days to Update: 78	Next Scheduled EDR Contact: 10/03/2022
	Data Release Frequency: Semi-Annually

Lists of state and tribal leaking storage tanks

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: 05/09/2022	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 05/09/2022	Telephone: 907-465-5301
Date Made Active in Reports: 07/28/2022	Last EDR Contact: 08/08/2022
Number of Days to Update: 80	Next Scheduled EDR Contact: 11/21/2022
	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: 04/28/2021	Source: EPA Region 1
Date Data Arrived at EDR: 06/11/2021	Telephone: 617-918-1313
Date Made Active in Reports: 09/07/2021	Last EDR Contact: 06/13/2022
Number of Days to Update: 88	Next Scheduled EDR Contact: 10/31/2022
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 06/02/2022	Source: EPA Region 4
Date Data Arrived at EDR: 06/13/2022	Telephone: 404-562-8677
Date Made Active in Reports: 08/31/2022	Last EDR Contact: 06/13/2022
Number of Days to Update: 79	Next Scheduled EDR Contact: 10/31/2022
	Data Release Frequency: Varies

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

Date of Government Version: 04/14/2022	Source: EPA Region 7
Date Data Arrived at EDR: 06/13/2022	Telephone: 913-551-7003
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 06/13/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 10/31/2022
	Data Release Frequency: Varies

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

Date of Government Version: 04/20/2022	Source: EPA Region 8
Date Data Arrived at EDR: 06/13/2022	Telephone: 303-312-6271
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 06/13/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 10/31/2022
	Data Release Frequency: Varies

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: 04/08/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/13/2022	Telephone: 415-972-3372
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 06/13/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 10/31/2022
	Data Release Frequency: Varies

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

Date of Government Version: 04/20/2022	Source: EPA Region 10
Date Data Arrived at EDR: 06/13/2022	Telephone: 206-553-2857
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 06/13/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 10/31/2022
	Data Release Frequency: Varies

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

Date of Government Version: 04/11/2022	Source: EPA, Region 5
Date Data Arrived at EDR: 06/13/2022	Telephone: 312-886-7439
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 06/13/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 10/31/2022
	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: 04/28/2022	Source: EPA Region 6
Date Data Arrived at EDR: 06/13/2022	Telephone: 214-665-6597
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 06/13/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 10/31/2022
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 10/14/2021	Source: FEMA
Date Data Arrived at EDR: 11/05/2021	Telephone: 202-646-5797
Date Made Active in Reports: 02/01/2022	Last EDR Contact: 06/29/2022
Number of Days to Update: 88	Next Scheduled EDR Contact: 10/17/2022
	Data Release Frequency: Varies

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: 07/29/2022	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 07/29/2022	Telephone: 907-269-7504
Date Made Active in Reports: 08/02/2022	Last EDR Contact: 08/08/2022
Number of Days to Update: 4	Next Scheduled EDR Contact: 11/21/2022
	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: 05/23/2022	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 05/24/2022	Telephone: 907-465-5231
Date Made Active in Reports: 08/09/2022	Last EDR Contact: 08/18/2022
Number of Days to Update: 77	Next Scheduled EDR Contact: 12/05/2022
	Data Release Frequency: No Update Planned

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/11/2022	Source: EPA Region 5
Date Data Arrived at EDR: 06/13/2022	Telephone: 312-886-6136
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 06/13/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 10/31/2022
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/20/2022	Source: EPA Region 8
Date Data Arrived at EDR: 06/13/2022	Telephone: 303-312-6137
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 06/13/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 10/31/2022
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/28/2022	Source: EPA Region 6
Date Data Arrived at EDR: 06/13/2022	Telephone: 214-665-7591
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 06/13/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 10/31/2022
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R4: Underground Storage Tanks on Indian Land

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

Date of Government Version: 06/02/2022	Source: EPA Region 4
Date Data Arrived at EDR: 06/13/2022	Telephone: 404-562-9424
Date Made Active in Reports: 08/31/2022	Last EDR Contact: 06/13/2022
Number of Days to Update: 79	Next Scheduled EDR Contact: 10/31/2022
	Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/07/2022	Source: EPA, Region 1
Date Data Arrived at EDR: 06/13/2022	Telephone: 617-918-1313
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 06/13/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 10/31/2022
	Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/20/2022	Source: EPA Region 10
Date Data Arrived at EDR: 06/13/2022	Telephone: 206-553-2857
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 06/13/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 10/31/2022
	Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/14/2022	Source: EPA Region 7
Date Data Arrived at EDR: 06/13/2022	Telephone: 913-551-7003
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 06/13/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 10/31/2022
	Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/08/2022	Source: EPA Region 9
Date Data Arrived at EDR: 06/13/2022	Telephone: 415-972-3368
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 06/13/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 10/31/2022
	Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

ENG CONTROLS: Engineering Controls Site Listing

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

Date of Government Version: 07/21/2021	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 07/22/2021	Telephone: 907-451-2143
Date Made Active in Reports: 10/13/2021	Last EDR Contact: 08/02/2022
Number of Days to Update: 83	Next Scheduled EDR Contact: 11/21/2022
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Inst Control: Contaminated Sites with Institutional Controls
Contaminated sites that have institutional controls.

Date of Government Version: 07/21/2021	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 07/22/2021	Telephone: 907-451-2143
Date Made Active in Reports: 10/13/2021	Last EDR Contact: 08/02/2022
Number of Days to Update: 83	Next Scheduled EDR Contact: 11/21/2022
	Data Release Frequency: Semi-Annually

Lists of state and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program sites
Sites involved in the Voluntary Cleanup Program.

Date of Government Version: 08/16/2022	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 08/16/2022	Telephone: 907-451-2143
Date Made Active in Reports: 09/07/2022	Last EDR Contact: 08/16/2022
Number of Days to Update: 22	Next Scheduled EDR Contact: 12/05/2022
	Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 07/08/2021
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 06/15/2022
Number of Days to Update: 142	Next Scheduled EDR Contact: 10/03/2022
	Data Release Frequency: Varies

Lists of state and tribal brownfield sites

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: 07/21/2021	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 07/22/2021	Telephone: 907-451-2166
Date Made Active in Reports: 10/13/2021	Last EDR Contact: 08/02/2022
Number of Days to Update: 83	Next Scheduled EDR Contact: 11/21/2022
	Data Release Frequency: Semi-Annually

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 03/10/2022
Date Made Active in Reports: 03/10/2022
Number of Days to Update: 0

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/09/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Recycling Facilities

A listing of Recycling centers in the state of Alaska.

Date of Government Version: 12/29/2014
Date Data Arrived at EDR: 12/30/2014
Date Made Active in Reports: 02/02/2015
Number of Days to Update: 34

Source: Department of Environmental Conservation
Telephone: 907-269-7802
Last EDR Contact: 06/14/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Varies

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

Location of open dumps on Indian land.

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

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 07/21/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Varies

ODI: Open Dump Inventory

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

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

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

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

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

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

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/12/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 07/21/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/30/2022
Date Data Arrived at EDR: 05/24/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 66

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/18/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: No Update Planned

CDL: Illegal Drug Manufacturing Sites

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

Date of Government Version: 05/09/2022
Date Data Arrived at EDR: 05/09/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 80

Source: Department of Environmental Conservation
Telephone: 907-269-7543
Last EDR Contact: 08/04/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Varies

US CDL: Clandestine Drug Labs

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

Date of Government Version: 04/30/2022
Date Data Arrived at EDR: 05/24/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 66

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/18/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Quarterly

PFAS: PFOS and PFOA stand for perfluorooctane sulfonate and perfluorooctanoic acid

PFAS have been widely used in numerous industrial and residential applications since the 1950s. Their stability and unique chemical properties produce waterproof, stain resistant, and nonstick qualities in products. They are found in some firefighting foams and a wide range of consumer products such as carpet treatments, non-stick cookware, water-resistant fabrics, food packaging materials, and personal care products.

Date of Government Version: 02/01/2022
Date Data Arrived at EDR: 03/15/2022
Date Made Active in Reports: 06/07/2022
Number of Days to Update: 84

Source: Department of Environmental Conservation
Telephone: 907-465-5076
Last EDR Contact: 09/09/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: Varies

AQUEOUS FOAM: Former Fire Training Facility Assessments Listing

ALL SPILL RECORDS Hazardous substance firefoam

Date of Government Version: 06/09/2022
Date Data Arrived at EDR: 06/10/2022
Date Made Active in Reports: 06/22/2022
Number of Days to Update: 12

Source: Department of Environmental Conservation
Telephone: 907-465-5229
Last EDR Contact: 09/07/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: Varies

Local Land Records

LIENS 2: CERCLA Lien Information

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

Date of Government Version: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 20

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 09/01/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 03/21/2022	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 03/21/2022	Telephone: 202-366-4555
Date Made Active in Reports: 06/14/2022	Last EDR Contact: 06/21/2022
Number of Days to Update: 85	Next Scheduled EDR Contact: 10/03/2022
	Data Release Frequency: Quarterly

SPILLS: Spills Database

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

Date of Government Version: 06/24/2022	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 06/24/2022	Telephone: 907-465-5242
Date Made Active in Reports: 07/01/2022	Last EDR Contact: 06/24/2022
Number of Days to Update: 7	Next Scheduled EDR Contact: 10/10/2022
	Data Release Frequency: Semi-Annually

SPILLS 90: SPILLS90 data from FirstSearch

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

Date of Government Version: 07/21/2010	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/08/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 36	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

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

Date of Government Version: 06/20/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/21/2022	Telephone: (206) 553-1200
Date Made Active in Reports: 06/28/2022	Last EDR Contact: 06/21/2022
Number of Days to Update: 7	Next Scheduled EDR Contact: 10/03/2022
	Data Release Frequency: Quarterly

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: 05/11/2022	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 05/17/2022	Telephone: 202-528-4285
Date Made Active in Reports: 07/29/2022	Last EDR Contact: 08/11/2022
Number of Days to Update: 73	Next Scheduled EDR Contact: 11/28/2022
	Data Release Frequency: Varies

DOD: Department of Defense Sites

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/13/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

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

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/08/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/03/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

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

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 08/31/2022
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

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

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 07/29/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/04/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

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: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/12/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: Every 4 Years

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: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/11/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Annually

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: 07/18/2022
Date Data Arrived at EDR: 07/18/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 11

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/18/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Annually

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: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 20

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/01/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Annually

RMP: Risk Management Plans

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 04/27/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/04/2022	Telephone: 202-564-8600
Date Made Active in Reports: 05/10/2022	Last EDR Contact: 07/14/2022
Number of Days to Update: 6	Next Scheduled EDR Contact: 10/31/2022
	Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

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

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 07/26/2022	Source: EPA
Date Data Arrived at EDR: 08/02/2022	Telephone: 202-564-6023
Date Made Active in Reports: 08/31/2022	Last EDR Contact: 09/01/2022
Number of Days to Update: 29	Next Scheduled EDR Contact: 11/14/2022
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

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

Date of Government Version: 01/20/2022	Source: EPA
Date Data Arrived at EDR: 01/20/2022	Telephone: 202-566-0500
Date Made Active in Reports: 03/25/2022	Last EDR Contact: 07/08/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 10/17/2022
	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: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 06/28/2022
Number of Days to Update: 79	Next Scheduled EDR Contact: 10/17/2022
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

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: 06/10/2022	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 06/14/2022	Telephone: 301-415-7169
Date Made Active in Reports: 08/22/2022	Last EDR Contact: 07/13/2022
Number of Days to Update: 69	Next Scheduled EDR Contact: 10/31/2022
	Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

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

Date of Government Version: 12/31/2020	Source: Department of Energy
Date Data Arrived at EDR: 11/30/2021	Telephone: 202-586-8719
Date Made Active in Reports: 02/22/2022	Last EDR Contact: 08/25/2022
Number of Days to Update: 84	Next Scheduled EDR Contact: 12/12/2022
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

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

Date of Government Version: 01/12/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/05/2019	Telephone: N/A
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 08/25/2022
Number of Days to Update: 251	Next Scheduled EDR Contact: 12/12/2022
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

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

Date of Government Version: 09/13/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/06/2019	Telephone: 202-566-0517
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 08/04/2022
Number of Days to Update: 96	Next Scheduled EDR Contact: 11/14/2022
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 06/23/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

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

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

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

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

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

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

DOT OPS: Incident and Accident Data

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

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 07/21/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Quarterly

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: 03/31/2022
Date Data Arrived at EDR: 04/14/2022
Date Made Active in Reports: 07/12/2022
Number of Days to Update: 89

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/29/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Varies

BRS: Biennial Reporting System

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

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 23

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Biennially

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/31/2014	Source: USGS
Date Data Arrived at EDR: 07/14/2015	Telephone: 202-208-3710
Date Made Active in Reports: 01/10/2017	Last EDR Contact: 07/08/2022
Number of Days to Update: 546	Next Scheduled EDR Contact: 10/17/2022
	Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 07/26/2021	Source: Department of Energy
Date Data Arrived at EDR: 07/27/2021	Telephone: 202-586-3559
Date Made Active in Reports: 10/22/2021	Last EDR Contact: 07/26/2022
Number of Days to Update: 87	Next Scheduled EDR Contact: 11/14/2022
	Data Release Frequency: Varies

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: 08/30/2019	Source: Department of Energy
Date Data Arrived at EDR: 11/15/2019	Telephone: 505-845-0011
Date Made Active in Reports: 01/28/2020	Last EDR Contact: 08/24/2022
Number of Days to Update: 74	Next Scheduled EDR Contact: 11/28/2022
	Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 07/26/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/02/2022	Telephone: 703-603-8787
Date Made Active in Reports: 08/22/2022	Last EDR Contact: 09/01/2022
Number of Days to Update: 20	Next Scheduled EDR Contact: 10/10/2022
	Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

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

Date of Government Version: 04/05/2001	Source: American Journal of Public Health
Date Data Arrived at EDR: 10/27/2010	Telephone: 703-305-6451
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 12/02/2009
Number of Days to Update: 36	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 03/21/2022
Date Data Arrived at EDR: 03/22/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 3

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Quarterly

US MINES: Mines Master Index File

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

Date of Government Version: 08/03/2022
Date Data Arrived at EDR: 08/17/2022
Date Made Active in Reports: 08/31/2022
Number of Days to Update: 14

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/14/2022
Date Data Arrived at EDR: 06/15/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 68

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 08/30/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 05/13/2022
Date Data Arrived at EDR: 05/18/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 13

Source: EPA
Telephone: (206) 553-1200
Last EDR Contact: 08/25/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 08/22/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 04/02/2022
Date Data Arrived at EDR: 04/05/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 07/01/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 01/11/2022
Date Made Active in Reports: 02/14/2022
Number of Days to Update: 34

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/07/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/17/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 73

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/11/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Quarterly

AIRS: AIRS Facility Listing

A listing of permitted airs facilities.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/04/2022
Date Data Arrived at EDR: 04/05/2022
Date Made Active in Reports: 07/01/2022
Number of Days to Update: 87

Source: Department of Environmental Conservation
Telephone: 907-451-2103
Last EDR Contact: 07/05/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Sites

A listing of coal ash disposal site locations.

Date of Government Version: 03/10/2022
Date Data Arrived at EDR: 03/11/2022
Date Made Active in Reports: 06/07/2022
Number of Days to Update: 88

Source: Department of Environmental Conservation
Telephone: 907-451-2135
Last EDR Contact: 09/07/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: Varies

DRYCLEANERS: Drycleaner Facility Listing

A listing of drycleaning facilities in Alaska.

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

Source: Department of Environmental Conservation
Telephone: 907-269-7577
Last EDR Contact: 06/14/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: No Update Planned

Financial Assurance 1: Financial Assurance Information Listing

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

Date of Government Version: 05/09/2022
Date Data Arrived at EDR: 05/09/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 81

Source: Department of Environmental Conservation
Telephone: 907-269-8149
Last EDR Contact: 08/04/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Quarterly

Financial Assurance 2: Financial Assurance Information Listing

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

Date of Government Version: 04/24/2007
Date Data Arrived at EDR: 04/26/2007
Date Made Active in Reports: 05/14/2007
Number of Days to Update: 18

Source: Department of Environmental Conservation
Telephone: 907-269-7802
Last EDR Contact: 06/14/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Varies

NPDES: Wastewater Discharge Permit Listing

A listing of permitted wastewater facilities.

Date of Government Version: 06/13/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/30/2022
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 907-465-5480
Last EDR Contact: 09/09/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: Varies

UIC: UIC Information

A listing of underground injection control wells.

Date of Government Version: 05/02/2022
Date Data Arrived at EDR: 05/09/2022
Date Made Active in Reports: 08/03/2022
Number of Days to Update: 86

Source: Oil & Gas Conservation Commission
Telephone: 907-793-1224
Last EDR Contact: 08/04/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Semi-Annually

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Semi-Annually

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

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

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

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

EDR Hist Auto: EDR Exclusive Historical Auto Stations

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

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

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

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

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in Alaska.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/17/2014
Number of Days to Update: 200

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

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in Alaska.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/04/2014
Number of Days to Update: 187

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

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 10/29/2021
Date Made Active in Reports: 01/19/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 07/29/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Quarterly

Oil/Gas Pipelines

Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

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

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

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

State Wetlands Data: Wetland Classification and Mapping

Source: Alaska Natural Heritage Program

Telephone: 907-235-2218

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

Â© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

KOYUK TANK FARMS
COTTONWOOD STREET
KOYUK, AK 99753

TARGET PROPERTY COORDINATES

Latitude (North):	64.931977 - 64° 55' 55.12"
Longitude (West):	161.164506 - 161° 9' 52.22"
Universal Transverse Mercator:	Zone 4
UTM X (Meters):	397681.0
UTM Y (Meters):	7202431.0
Elevation:	71 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).

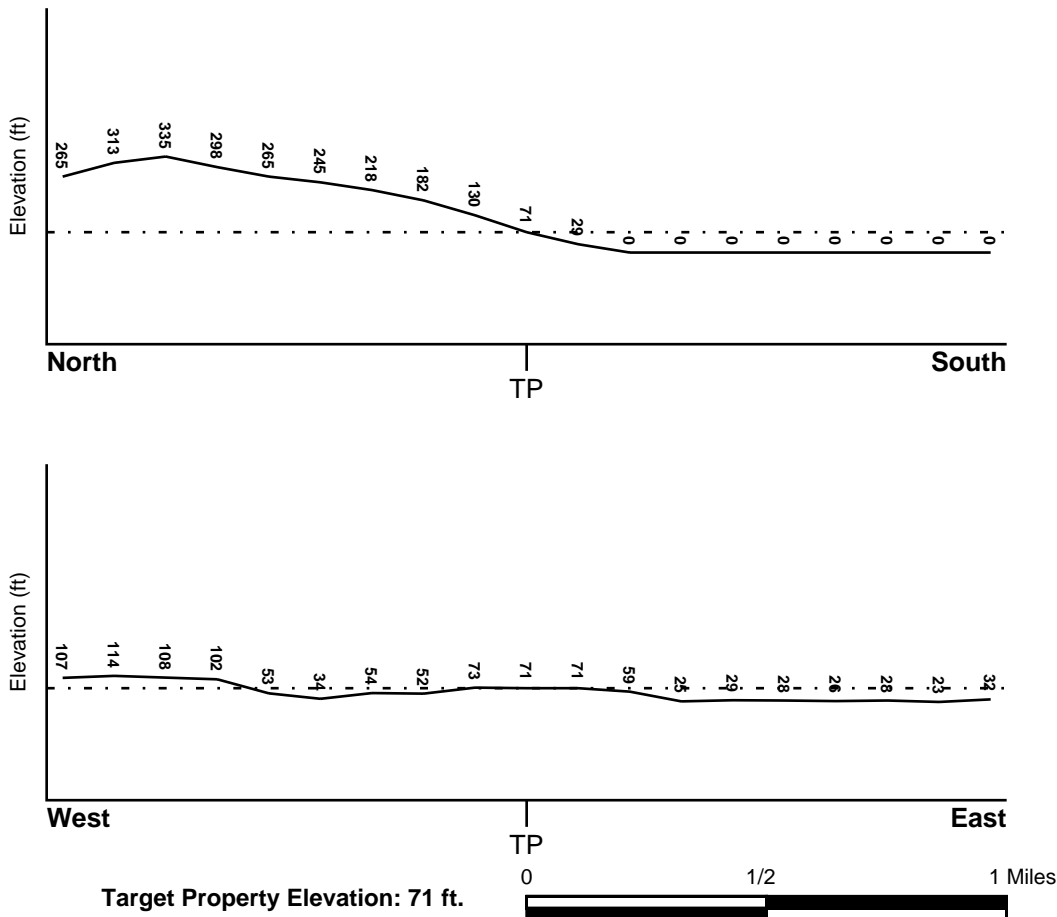
TOPOGRAPHIC INFORMATION

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>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
---	-------------------------

Not Reported

<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
--	-------------------------

Not Reported

NATIONAL WETLAND INVENTORY

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

Not Reported

N

HYDROGEOLOGIC INFORMATION

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

AQUIFLOW®

Search Radius: 1.000 Mile.

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

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

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

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

ROCK STRATIGRAPHIC UNIT

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

GEOLOGIC AGE IDENTIFICATION

Category: -

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

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

Soil Component Name: HISTIC PERGELIC CRYAQUEPTS

Soil Surface Texture: peat

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

Soil Drainage Class: Poorly. Soils may have a saturated zone, a layer of low hydraulic conductivity, or seepage. Depth to water table is less than 1 foot.

Hydric Status: Soil meets the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	8 inches	0 inches	peat	A-8	Highly organic soils, Peat.	Max: 2.00 Min: 0.60	Max: 5.00 Min: 4.50
2	9 inches	60 inches	ice or frozen soil	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

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

Soil Surface Textures: very gravelly - silt loam
silt loam
gravelly - sandy loam
gravelly - silt loam

Surficial Soil Types: very gravelly - silt loam
silt loam
gravelly - sandy loam
gravelly - silt loam

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

Deeper Soil Types: very gravelly - sandy loam

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		

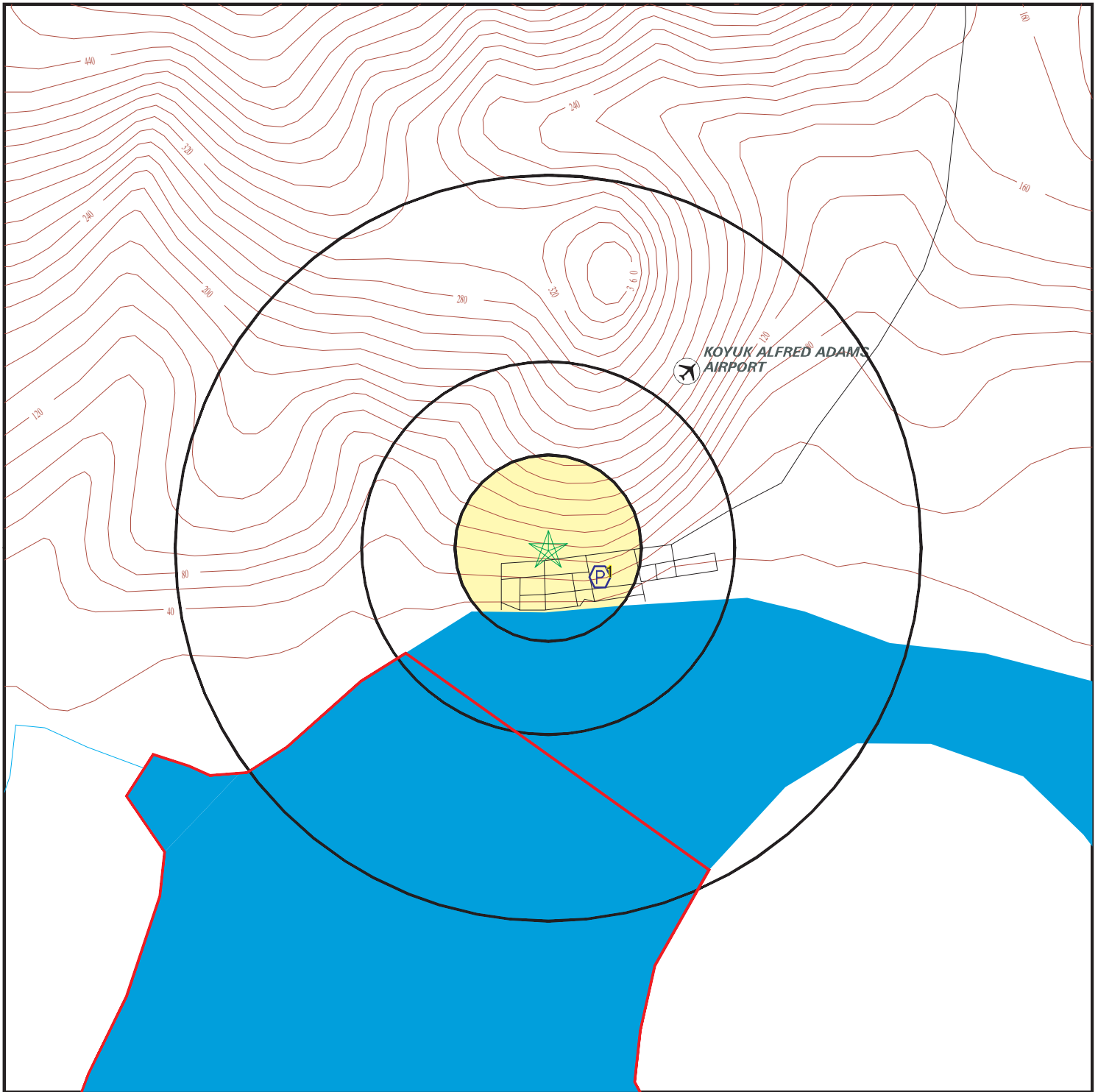
GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	AK2340662	1/8 - 1/4 Mile ESE

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

PHYSICAL SETTING SOURCE MAP - 7116276.2s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- 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
- Oil, gas or related wells

SITE NAME: Koyuk Tank Farms
 ADDRESS: Cottonwood Street
 Koyuk AK 99753
 LAT/LONG: 64.931977 / 161.164506

CLIENT: NewFields
 CONTACT: Sam Berkelhammer
 INQUIRY #: 7116276.2s
 DATE: September 13, 2022 3:41 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

1
ESE
1/8 - 1/4 Mile
Lower

FRDS PWS AK2340662

Epa region:	10	State:	AK
Pwsid:	AK2340662	Pwsname:	BERING ST SD - KOYUK SCHOOL
Cityserved:	Not Reported	Stateserved:	AK
Ziperved:	Not Reported	Fipscounty:	02180
Status:	Closed	Retpopsrvd:	80
Pwssvconn:	1	Psource longname:	Purch_groundwater
Pwstype:	CWS	Owner:	Local_Govt
Contact:	BERING ST SD - KOYUK SCHOOL		
Contactorgname:	Not Reported	Contactphone:	907-963-3021
Contactaddress1:	MR. STEVE WICKS, PRINCIPAL		
Contactaddress2:	GENERAL DELIVERY	Contactcity:	KOYUK
Contactstate:	AK	Contactzip:	99753
Pwsactivitycode:	I		

Pwsid:	AK2340662	Facid:	1T
Facname:	Not Reported	Factype:	Treatment_plant
Facactivitycode:	I	Trtobjective:	disinfection
Trtprocess:	hypochlorination, pre	Factypecode:	TP

PWS ID:	AK2340662	PWS type:	Not Reported
PWS name:	Not Reported	PWS address:	Not Reported
PWS city:	Not Reported	PWS state:	Not Reported
PWS zip:	Not Reported	PWS ID:	AK2340662
Activity status:	Active	Date system activated:	Not Reported
Date system deactivated:	Not Reported	Retail population:	00000080
System name:	BERING ST SD - KOYUK SCHOOL		
System address:	MR. TOM BRISCOE, PRINCIPAL		
System address:	GENERAL DELIVERY	System city:	KOYUK
System state:	AK	System zip:	99753

Population served:	Under 101 Persons	Treatment:	Treated
--------------------	-------------------	------------	---------

Latitude:	645600	Longitude:	1610900
-----------	--------	------------	---------

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

Violation ID:	9430484	Violation source ID:	001
PWS telephone:	Not Reported	Contaminant:	COLIFORM (TCR)
Violation type:	Monitoring, Repeat Minor (TCR)		
Violation start date:	100193	Violation end date:	103193
Violation period (months):	001	Violation awareness date:	Not Reported
Major violator:	No	Maximum contaminant level:	Not Reported
Number of required samples:	Not Reported	Number of samples taken:	Not Reported
Analysis method:	Not Reported	Analysis result:	Not Reported

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

Violation ID:	9430622	Violation source ID:	001
PWS telephone:	Not Reported	Contaminant:	COLIFORM (TCR)
Violation type:	Monitoring, Routine Minor (TCR)		
Violation start date:	110193	Violation end date:	113093
Violation period (months):	001	Violation awareness date:	Not Reported
Major violator:	No	Maximum contaminant level:	Not Reported
Number of required samples:	Not Reported	Number of samples taken:	Not Reported
Analysis method:	Not Reported	Analysis result:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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

Violation ID:	9430886	Violation source ID:	Not Reported
PWS telephone:	Not Reported	Contaminant:	LEAD & COPPER RULE
Violation type:	Initial Tap Sampling for Pb and Cu		
Violation start date:	070193	Violation end date:	123193
Violation period (months):	006	Violation awareness date:	Not Reported
Major violator:	Not Reported	Maximum contaminant level:	Not Reported
Number of required samples:	Not Reported	Number of samples taken:	Not Reported
Analysis method:	Not Reported	Analysis result:	Not Reported

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

Violation ID:	9430887	Violation source ID:	Not Reported
PWS telephone:	Not Reported	Contaminant:	LEAD & COPPER RULE
Violation type:	Initial Tap Sampling for Pb and Cu		
Violation start date:	070193	Violation end date:	123193
Violation period (months):	006	Violation awareness date:	Not Reported
Major violator:	Not Reported	Maximum contaminant level:	Not Reported
Number of required samples:	Not Reported	Number of samples taken:	Not Reported
Analysis method:	Not Reported	Analysis result:	Not Reported

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

Violation ID:	9432291	Violation source ID:	001
PWS telephone:	Not Reported	Contaminant:	COLIFORM (TCR)
Violation type:	Monitoring, Routine Minor (TCR)		
Violation start date:	030194	Violation end date:	033194
Violation period (months):	001	Violation awareness date:	Not Reported
Major violator:	No	Maximum contaminant level:	Not Reported
Number of required samples:	Not Reported	Number of samples taken:	Not Reported
Analysis method:	Not Reported	Analysis result:	Not Reported

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

Violation ID:	9330959	Violation source ID:	001
PWS telephone:	9633021	Contaminant:	COLIFORM (PRE-TCR)
Violation type:	Monitoring, Regular	Violation start date:	100192
Violation end date:	103192	Violation period (months):	001
Violation awareness date:	Not Reported	Major violator:	Yes
Maximum contaminant level:	Not Reported	Number of required samples:	Not Reported
Number of samples taken:	000	Analysis method:	Not Reported
Analysis result:	Not Reported		

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

Violation ID:	9331581	Violation source ID:	001
PWS telephone:	9633021	Contaminant:	COLIFORM (PRE-TCR)
Violation type:	Monitoring, Regular	Violation start date:	120192
Violation end date:	123192	Violation period (months):	001
Violation awareness date:	Not Reported	Major violator:	Yes
Maximum contaminant level:	Not Reported	Number of required samples:	Not Reported
Number of samples taken:	000	Analysis method:	Not Reported
Analysis result:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for NOME County: 3

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level \geq 2 pCi/L and \leq 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.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

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

State Wetlands Data: Wetland Classification and Mapping

Source: Alaska Natural Heritage Program

Telephone: 907-235-2218

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 Service (NRCS)

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 Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, 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

Oil and Gas Well Database

Source: Department of Administration, Oil & Gas Conservation Commission

Telephone:

Oil and gas well locations in the state.

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

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

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

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.



AERIAL PHOTOGRAPHS

APPENDIX D



Koyuk Tank Farms

Cottonwood Street

Koyuk, AK 99753

Inquiry Number: 7116276.5

September 14, 2022

The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

09/14/22

Site Name:

Koyuk Tank Farms
Cottonwood Street
Koyuk, AK 99753
EDR Inquiry # 7116276.5

Client Name:

NewFields
700 SW Higgins Avenue, Suite 15
MISSOULA, MT 59803
Contact: Sam Berkelhammer



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1980	1"=500'	Flight Date: July 24, 1980	USGS
1950	1"=500'	Flight Date: July 03, 1950	USGS

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

Disclaimer - Copyright and Trademark Notice

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

Copyright 2022 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.



INQUIRY #: 7116276.5

YEAR: 1980

— = 500'



Subject boundary not shown because it exceeds image extent or image is not georeferenced.



INQUIRY #: 7116276.5

YEAR: 1950

— = 500'



Subject boundary not shown because it exceeds image extent or image is not georeferenced.



TOPOGRAPHIC
MAPS

APPENDIX E

Koyuk Tank Farms

Cottonwood Street

Koyuk, AK 99753

Inquiry Number: 7116276.8

September 13, 2022

EDR Historical Topo Map Report

with QuadMatch™



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

09/13/22

Site Name:

Koyuk Tank Farms
Cottonwood Street
Koyuk, AK 99753
EDR Inquiry # 7116276.8

Client Name:

NewFields
700 SW Higgins Avenue, Suite 15
MISSOULA, MT 59803
Contact: Sam Berkelhammer



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by NewFields were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:**Coordinates:**

P.O.#	350.00735.000	Latitude:	64.931977 64° 55' 55" North
Project:	Kawerak Phase I ESAs	Longitude:	-161.164506 -161° 9' 52" West
		UTM Zone:	Zone 4 North
		UTM X Meters:	397685.24
		UTM Y Meters:	7202624.44
		Elevation:	80.95' above sea level

Maps Provided:

2014
1981
1970
1950

Disclaimer - Copyright and Trademark Notice

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

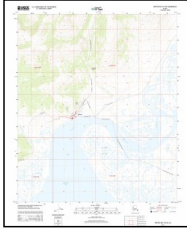
Copyright 2022 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2014 Source Sheets



Norton Bay D-5 NE
2014
7.5-minute, 24000

1981 Source Sheets



Norton Bay D-5
1981
15-minute, 63360
Aerial Photo Revised 1950

1970 Source Sheets



Norton Bay D-5
1970
15-minute, 63360
Aerial Photo Revised 1950

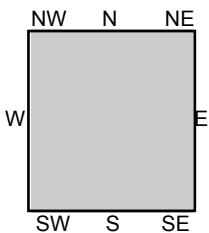
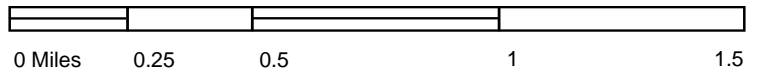
1950 Source Sheets



Norton Bay D-5
1950
15-minute, 63360
Aerial Photo Revised 1950



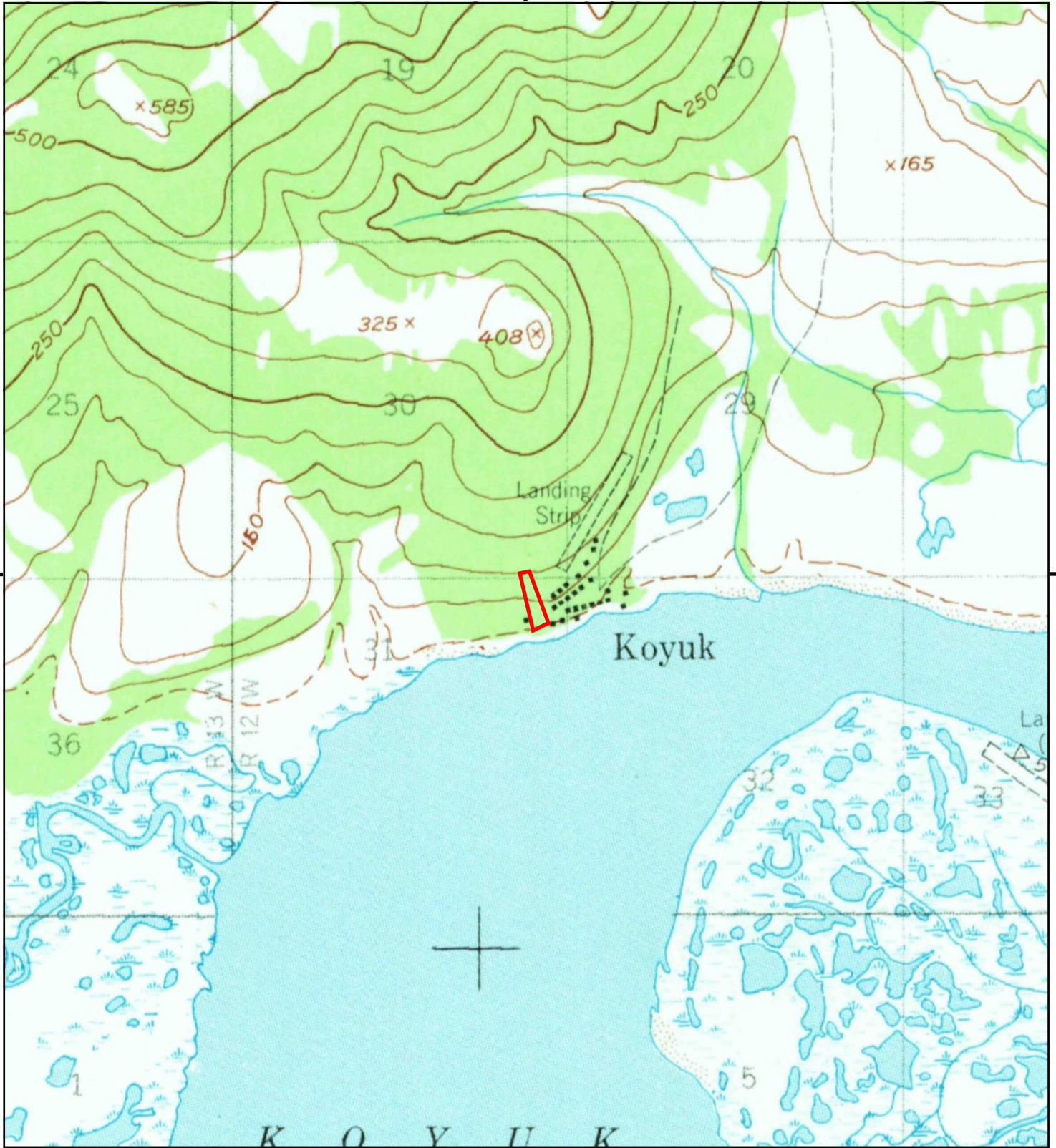
This report includes information from the following map sheet(s).



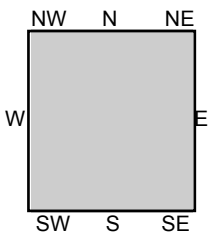
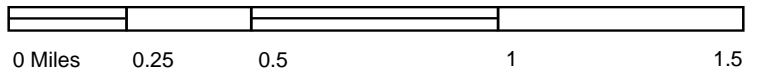
TP, Norton Bay D-5 NE, 2014, 7.5-minute

SITE NAME: Koyuk Tank Farms
ADDRESS: Cottonwood Street
Koyuk, AK 99753
CLIENT: NewFields





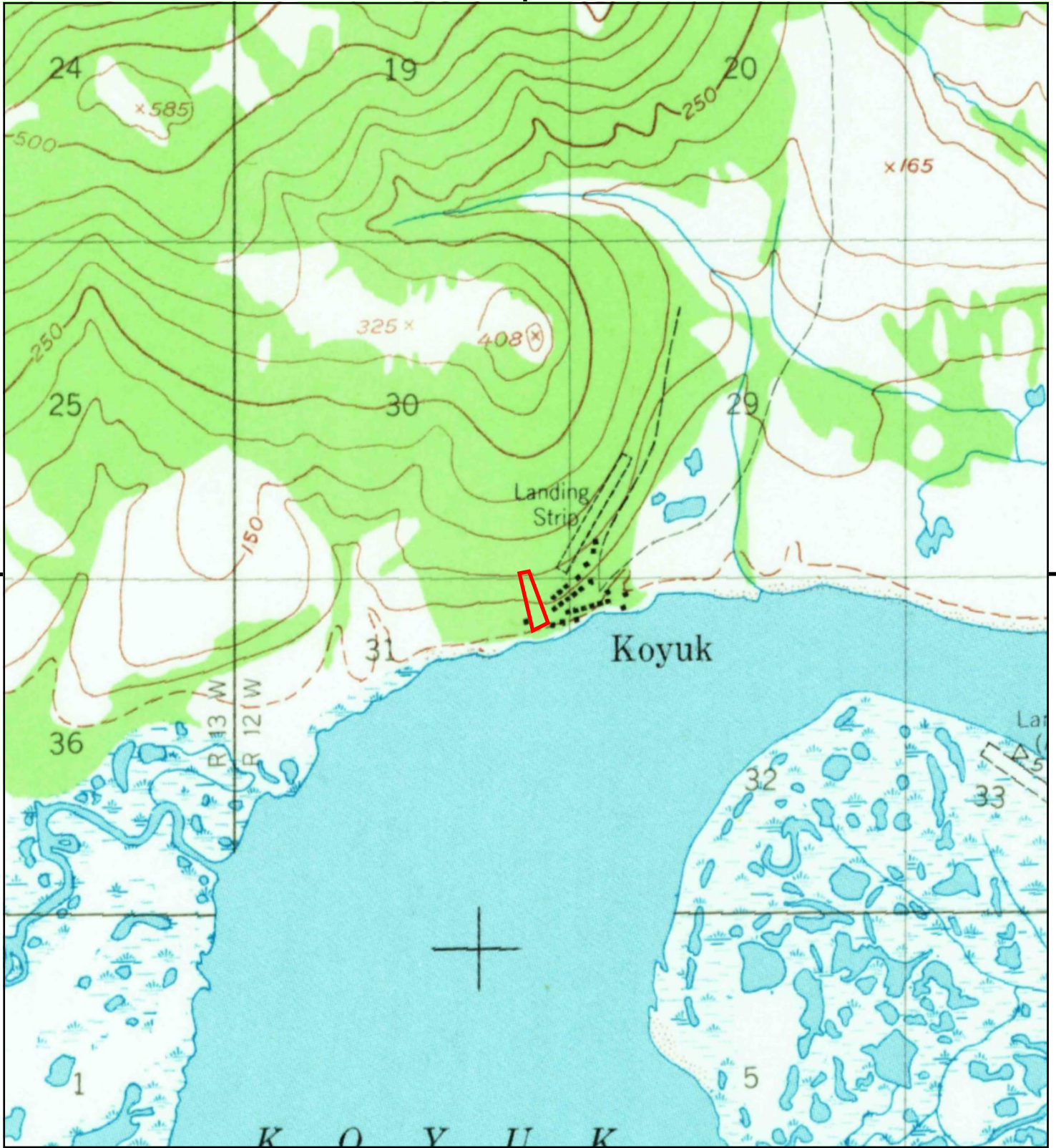
This report includes information from the following map sheet(s).



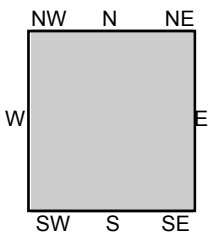
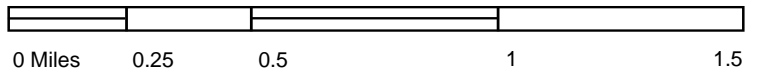
TP, Norton Bay D-5, 1981, 15-minute

SITE NAME: Koyuk Tank Farms
ADDRESS: Cottonwood Street
Koyuk, AK 99753
CLIENT: NewFields





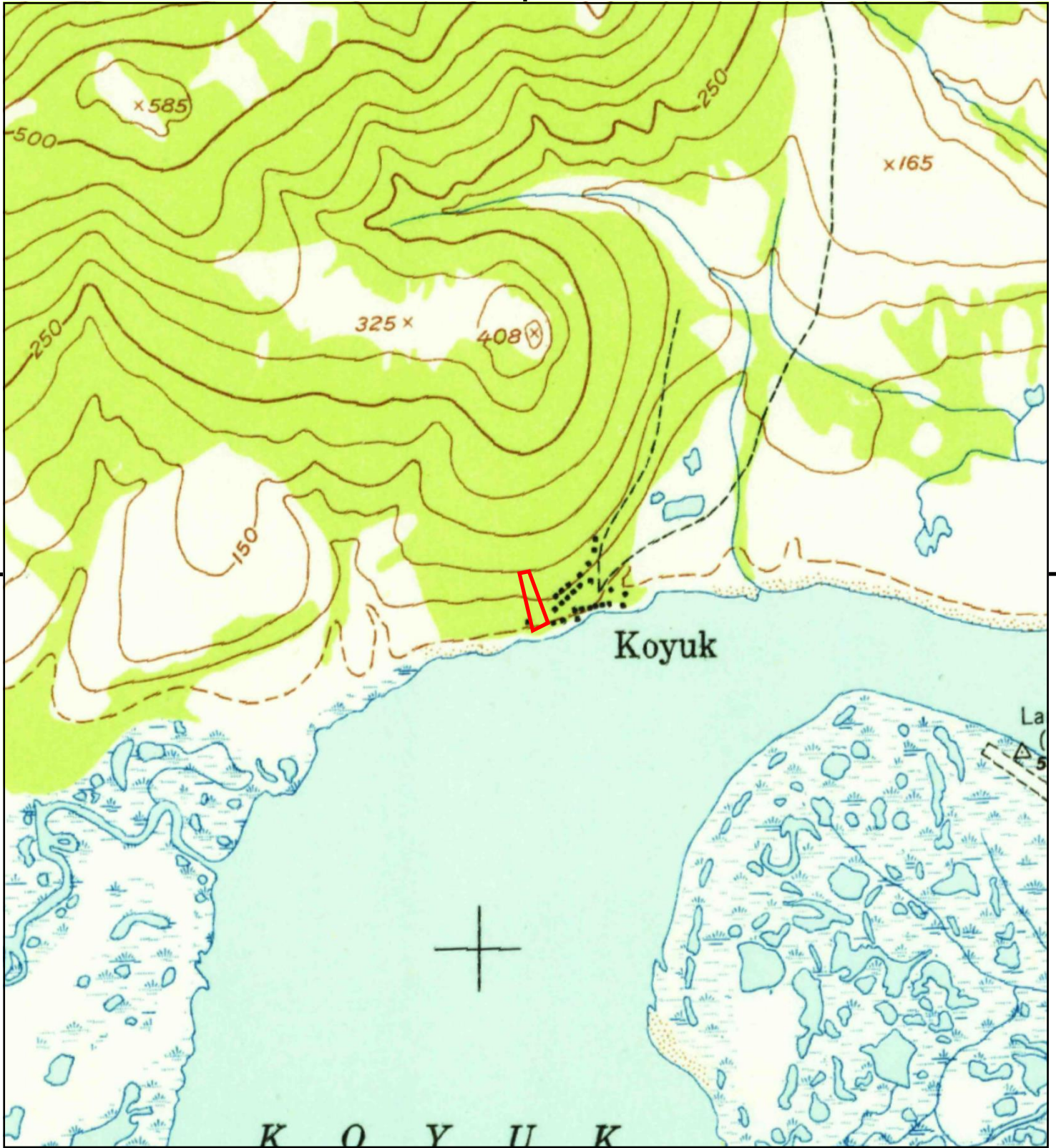
This report includes information from the following map sheet(s).



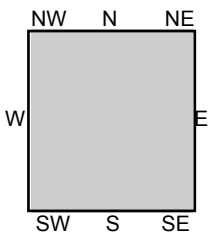
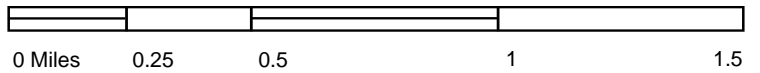
TP, Norton Bay D-5, 1970, 15-minute

SITE NAME: Koyuk Tank Farms
 ADDRESS: Cottonwood Street
 Koyuk, AK 99753
 CLIENT: NewFields





This report includes information from the following map sheet(s).



TP, Norton Bay D-5, 1950, 15-minute

SITE NAME: Koyuk Tank Farms
 ADDRESS: Cottonwood Street
 Koyuk, AK 99753
 CLIENT: NewFields





FIELD NOTES AND PHOTOGRAPHS

APPENDIX F

Phase I ESA Site Reconnaissance Checklist

for Kawerak Brownfields
on 07/13/2022

Address/Location: Former Koyuk Native Corp Tank Farm	Phone Number: 907-443-4249
NewFields Staff: Adam Johnson	Other Interviewees: Mary Otton (IGAP)
Site Manager: Anahma Shannon (Kawerak)	
Method(s) Used to Observe Property: Observed the entire site by walking; recorded observations.	
Access/Observation Limitations: Some shipping containers were locked and inaccessible.	
Item	Observation
I. GENERAL SITE SETTING	
1. Property Current and Past Use(s):	Former Tank Farm
2. Surrounding Area Current and Past Use(s):	Native Corp Office to the north, Koyuk Native Store to the east, residence to the east and west, and undeveloped land to the west. Former residence) to the south.
3. Adjoining Properties Current and Past Use(s):	See above.
4. Site Topography	Generally flat, slight slope to the south toward beach. Possible soil berm around former tank location.
5. Site Hydrology <ul style="list-style-type: none"> • Streams • Springs, seeps • Ponds • Surface water flow direction 	Surface water flow direction likely follows topography. No streams, seeps, or ponds observed on the site.
6. Site Geology, Hydrogeology <ul style="list-style-type: none"> • Sinkholes • Mining activity? • Groundwater occurrence, depth • Outcrops 	No sinkholes, mining activity, or groundwater observed. Geology characterized by metamorphic rock (schist).
7. Structures – General Description <ul style="list-style-type: none"> • No. buildings • No. stories • Date – orig. construction, renovations • General condition 	Several shipping containers and sheds.
8. Site Surface Cover <ul style="list-style-type: none"> • Vegetation - type • Manmade - type 	Soil, rock, gravel, shrubs, trees, grass.
9. Roads <ul style="list-style-type: none"> • Adjoining thoroughfares • Streets, roads, paths – use/outlet/public access • Parking facilities 	1st Ave, 2nd Ave, Cottonwood
10. Potable Water Supply <ul style="list-style-type: none"> • Source 	No potable water source observed during the site visit.
11. Sewage Disposal System <ul style="list-style-type: none"> • Type • Age 	No sewage disposal system observed during the site visit.

Item	Observation
II. INTERIOR/EXTERIOR OBSERVATIONS	
<p>1. Aboveground Tanks (ASTs)</p> <p>Check for tank pads, piping evidence of former tanks</p> <p>How Many? For Each:</p> <ul style="list-style-type: none"> • Location • Contents • Age • Volume (cap.) • Piping/condition? • Condition (check for fixture leakage, ruptures, corrosion, dents, etc.) • Spills/leaks? (check for stained soil, dead vegetation, etc.) 	Several ASTs.
<p>2. Underground Tanks, (USTs)</p> <p>Check for vent and fill pipes, pump pads, cover plates, other aboveground access ways</p> <p>How Many? For Each:</p> <ul style="list-style-type: none"> • Location • Contents • Age • Volume (cap.) • Condition/inspections? • Spills/leaks • Piping/condition? • If closed – closure date, procedure used 	No USTs observed during the site visit.
<p>3. Odors</p> <ul style="list-style-type: none"> • Describe • Source(s)? 	Hydrocarbon odor noted at north end of western large tank near discharge piping.
<p>4. Pools of Liquids</p> <ul style="list-style-type: none"> • Type? • Sumps w/liquids 	No pools of liquids observed during the site visit.
<p>5. Drums</p> <ul style="list-style-type: none"> • Location • Contents • Labels • Condition (check for seals, bulges, rusting, proper closure) • Spill control features? • Type • Size/capacity • Leakage? 	Empty pallet containers; several drums with unknown contents.
<p>6. Other Containers</p> <ul style="list-style-type: none"> • Location • Contents • Labels • Storage conditions • Type • Approx. size/quantity • Leakage? • Spill control features? 	Several shipping containers. Some locked, others contain solid waste.

Phase I ESA Site Reconnaissance Checklist

for Kawerak Brownfields
on 07/13/2022

Item	Observation
II. INTERIOR/EXTERIOR OBSERVATIONS	
7. PCB Items Check electrical, hydraulic equipment, esp. transformers do not include fluorescent light ballasts <ul style="list-style-type: none"> • Location • Age • Condition • Type • Labels/ID Nos.? • Leakage? 	No potential PCB containing items observed during the site visit.
III. INTERIOR OBSERVATIONS	
1. Heating/Cooling system <ul style="list-style-type: none"> • Type • Fuel source • Boiler room • Exhaust(s) 	No heating or cooling system observed during the site visit.
2. Stains/Corrosion <ul style="list-style-type: none"> • Floors • Walls • Ceilings • Sources? 	No stains or corrosion observed during the site visit.
3. Drains/Sumps <ul style="list-style-type: none"> • Where go? 	No drains or sumps observed during the site visit.
4. Flooring Material	No flooring materials observed during the site visit.
5. Insulation Type (If asbestos – see optional asbestos section at end of checklist)	No insulation observed during the site visit.
6. Process Equipment Check For: <ul style="list-style-type: none"> • Paint booths? • Dip tanks? • Sanding? • Cleaning units/degreasers? • Plating? 	No processing equipment observed during the site visit.

Item	Observation
IV. EXTERIOR OBSERVATIONS	
1. Pits, Ponds, Lagoons <ul style="list-style-type: none"> • Location • Age • Type of const. • What used for/contents • Size • General condition • Pollution control? • Discharge? To what? • Monitoring? (If wells – note number, location, depth, condition) • Any leaks, seeps spill evidence? 	No pits, ponds, or lagoons observed during the site visit.
2. Stained Soil, Pavement <ul style="list-style-type: none"> • Describe • Sources? 	No stained soil or pavement observed during the site visit.
3. Stressed Vegetation <ul style="list-style-type: none"> • Describe • Use of herbicides? Pesticides? <ul style="list-style-type: none"> o Location o Amount/frequency of application o Who applied 	Several areas with little vegetation.
4. Solid Waste Disposal – Landfills, Waste Piles (incinerators)	Misc solid waste across the site.
5. Wastewaters/Stormwaters <ul style="list-style-type: none"> • Discharge to drains? Ditches? Streams? • Manholes? • Oil/water separators? • Wastewater treatment? What kind? If sludge generated, where disposed? 	No wastewater or stormwater observed during the site visit.
6. Wells – Dry Wells, Water Wells, Irrigation, injection, Oil and Gas, Monitoring, Abandoned	No wells observed during the site visit.
7. On site Septic System – Tanks, Cesspools <ul style="list-style-type: none"> • Type • Condition 	No septic system observed during the site visit.

Item	Observation
IV. EXTERIOR OBSERVATIONS	
8. Pipelines <ul style="list-style-type: none"> • General location • Type (substances carried) • Age • Construction • Depth • Size • Leakage? Tests? 	Possible AST piping southwest of large ASTs.
9. Air Emissions <ul style="list-style-type: none"> • Exhausts • Stacks • Vents • Incinerators • Air pollution control equipment (baghouses, cyclones, etc.) • Sources, emissions? 	No sources of air emissions observed during the site visit.
V. QUESTIONS – HELPFUL DOCUMENTS, LEGAL	
1. <ol style="list-style-type: none"> 1. Site Plans 2. Aerials 3. ESA Reports 4. Environmental Audit Reports 5. Environmental Permits (e.g., solid waste, haz. Waste, NPDES, air, wastewater, pretreatment, UIC) <ul style="list-style-type: none"> • Type • Status 6. UST/AST Registrations 7. UST/AST Inspections 8. UST/AST Inventory Reports 9. MSDS Sheets 10. Community Right to Know Plan 11. Safety, SPCC Plans 12. Spill Reports 13. Fire Dept. hazardous Use Permits/Inspections 14. Pipeline Inspection Reports 15. Hazardous Waste Generator, Notification or Reports 16. Hazardous Waste Manifests/Solid Waste Disposal Documentation 17. Hydrogeologic Reports 18. Geotechnical Studies 19. Correspondence RE: Violations or Env. Liens 20. Knowledge of Any Pending, Threatened, or Past Litigation, Administrative Proceedings, or Notices of Possible Env. Liability? 21. Reports regarding any self directed or other cleanup activities 22. Risk Assessments 23. Activity and use limitations 24. Safety data sheets (SDS) 	No additional documents were provided during the site visit.
VI. ADDITIONAL ITEMS	
1. Non-Scope Items	No Non-Scope items observed during the site visit.

Site Photos



Site Photos



for Kawerak Brownfields
on 07/13/2022

Site Photos



Site Photos



for Kawerak Brownfields
on 07/13/2022

Site Photos



Site Photos



possible berm, 3-4 ft elevator gain to
the north

Site Photos



Possible berm liner west of large ASTs

Structure Photos



Structure Photos



for Kawerak Brownfields
on 07/13/2022

Structure Photos



for Kawerak Brownfields
on 07/13/2022

Structure Photos



for Kawerak Brownfields
on 07/13/2022

AST Photos



approx 4 ft diam by 12 ft length



portable tank, 50-100 gal

for Kawerak Brownfields
on 07/13/2022

AST Photos



large ASTs, 30-40 ft long, 12-15 ft diam, some rust



AST Photos



for Kawerak Brownfields
on 07/13/2022

AST Photos



for Kawerak Brownfields
on 07/13/2022

AST Photos



Odor Photos



for Kawerak Brownfields
on 07/13/2022

Drum Photos



Drum Photos



55 gal drum south of large ASTs.
Appears empty.



partially buried drum, appears empty

Other Container Photos



Approx 20 compressed gas cylinders

Stressed Vegetation Photos



Solid Waste Disposal Photos



Tires and thermal insulation

for Kawerak Brownfields
on 07/13/2022

Pipeline Photos





INTERVIEW NOTES

APPENDIX G

7/13/22

Toiyuk

Tracy with City of Toiyuk

- this fall, wastewater lagoon ^{work} 1 will be ongoing
- ANTHC is helping ~~to~~ with two new wells for the community
- community needs a new water treatment ~~blg~~ bldg.
- Oscar - works for the tribe
- OLD AVEC Tank farm - near school. odors apparent.
- Oscar - AVEC - soil may have recovered (willows)
- City Tank Farm - tanks gone
- Corp tank farm - might be two tanks.

Tanks ~~stop~~ Farms stopped operating in ~ 2000's
When Oscar was a kid, no tank farms, fuel was delivered via 55-gal drums. (barge)

Landfill - probably has all types of wastes
Granite Mtn Station - cleaned up

- towers were used as landmarks

Old BIA school - may have asbestos

Mary - years ago, a 5-foot wooden berm with black liner above the berm

- remembers smelling fuel.

Morris - Corp. president -

nearby resident made complaint

koyuk

7/13/22

Mike - Dewey

Corporate-tank farm - 1980's opened
city tank farm - was newer.

Leo - president of tribal council.

Jeanie Einfeldt is current owner of
site to the south.

↳ grandfather filed lawsuit against corp.



RESUME

APPENDIX H

ADAM N. JOHNSON

HYDROGEOLOGIST AND ENVIRONMENTAL SCIENTIST

Education and Training

Master of Science, Hydrogeology, University of Montana, Missoula, Montana
Bachelor of Science, Geology, Macalester College, St. Paul, Minnesota

Certifications (Summary)

State of Montana Monitoring Well Constructor License #440.
Hazardous Waste Operations and Emergency Response (HAZWOPER) 40-hour Training.
Mine Safety and Health Administration (MSHA) 24-Hour Open-Pit Miner Training.
Current HAZWOPER and MSHA Refreshers (2021).

Experience Summary

Adam has about 18 years of diversified professional experience as a hydrogeologist, environmental scientist, and earth scientist. Most recently, he has focused on water resources aspects of international mining projects, assessment/remediation of contaminated sites, and Brownfields projects. He has managed environmental assessment projects for public development organizations and private clients such as national retailers, automotive dealers, and multinational corporations. Adam meets the definition of Environmental Professional as specified in ASTM Standard E1527-13: Standard Practice for Phase I Environmental Site Assessments (ESAs) and has attended and provided environmental due diligence trainings.

Project Experience/Summary

ENVIRONMENTAL SITE ASSESSMENT (ESA), REMEDIATION, AND BROWNFIELDS

Environmental Assessments, Confederated Salish and Kootenai Tribes (CSKT), Flathead Indian Reservation, MT. Environmental Scientist. Completed multiple Phase I and II ESAs at a variety of sites, including abandoned fuel stations, informal landfills, a wood treatment site, and an abandoned mine site. Provided oversight at a gasoline station during the excavation and landfarming of more than 2,700 cubic yards of petroleum-impacted soil. Completed a Phase II ESA, alternatives analysis, and cleanup plan at the Flathead Post and Pole wood treatment site. Worked as part of project team to evaluate toxicity of tailings at Revais Creek abandoned mine site. Assisted with project management and client communications.

Brownfields Program, Kawerak, Inc., Nome, Alaska. Environmental Scientist, Client Manager, and Project Manager. Prepared a successful EPA Brownfields grant application on behalf of the client. Developing Quality Assurance Plan, Phase I and II ESAs, and Sampling and Analysis Plans (SAPs) for six sites that have the potential for redevelopment. Assisting the client with community outreach, budgeting, and assessment/cleanup planning.

Tribal Hazardous Waste Management Grant, CSKT, Flathead Indian Reservation, MT. Environmental Scientist and Project Manager. At the request of the CSKT, wrote a successful EPA grant that helped the Tribes improve management of hazardous wastes on the Reservation. Components of the grant-funded project included educational campaigns, a hazardous waste collection event, a financial feasibility study related to future annual collection events; and a presentation at a national tribal environmental conference. NewFields helped the CSKT implement the above components of the program.

Environmental Assessment, Old Agency Dump Site, Fort Belknap Indian Community, Fort Belknap Indian Reservation, MT. Environmental Scientist. Prepared a Sampling and Analysis Plan (SAP) for a Phase II

October 2022

ESA at a former dump site that received a variety of wastes. Provided project management oversight during data collection activities including borehole drilling soil sampling. Assisted with data review and analysis. Environmental Assessment, Proposed Eagle Valley Estates, Fort Belknap Community Economic Development Center, Fort Belknap Indian Reservation, MT. Environmental Scientist. Provided project management oversight during data collection activities including surface soil sampling and soil vapor sampling. Assisted with data review and analysis.

Remedial Investigation, Sidney Red-E-Mix, Sidney, MT. Environmental Scientist and Project Manager.

Assisted client with several tasks related to monitoring and cleanup of a waste oil release. Planned a multi-phase confirmation sampling program to evaluate site soils and surface water. Interacted and negotiated with state and county regulators.

ESAs and Sampling Plans, Sweetgrass Development, Great Falls, MT. Environmental Scientist and Assistant Project Manager. Provided project management and technical assistance to this multi-county regional development authority. Completed Phase I and II ESAs and Sampling and Analysis Plans (SAPs) for several properties. Assisted with project management, budgeting, and interactions with client and regulators.

Brownfields Program, Northern Cheyenne Tribe, Lama Deer, MT. Environmental Scientist, Client Manager, and Project Manager. Prepared two successful EPA Brownfields grant applications. Completed Phase I and II ESAs and Sampling and Analysis Plans (SAPs) for several properties identified by the tribe that have the potential for redevelopment. Assisted the client with community outreach, budgeting, and assessment/cleanup planning. NewFields has assisted the tribe with cleanups at four properties.

Government Square Cleanup, Blackfeet Tribe, Heart Butte, MT. Environmental Scientist, Client Manager, and Project Manager. Prepared successful EPA Brownfields grant application for cleanup of several structures impacted by asbestos and lead-based paint. Prepared Quality Assurance Project Plan, Sampling and Analysis Plan, and Cleanup Plan. Assisted the tribe with community outreach, budgeting, assessment/cleanup planning, and cleanup oversight. Assisted the tribe with preparation of a successful grant application for Brownfields assessment grant funding.

Brownfields Program, Blackfeet Tribe, Browning, MT. Environmental Scientist, Client Manager, and Project Manager. Prepared successful EPA Brownfields grant application for assessment of multiple properties impacted by asbestos and lead-based paint. Preparing revised Quality Assurance Project Plan and Sampling and Analysis Plans. Will complete Phase I and Phase II ESAs. Assisting the tribe with community outreach, budgeting, and assessment planning.

Knowshisgun Cleanup, Northern Cheyenne Tribe, Lama Deer, MT. Environmental Scientist and Project Manager. Directed building materials cleanup activities at this former commercial property. Several asbestos-containing structures were removed from the site, which is now ready for redevelopment in central Lama Deer.

Phase II ESA, Former Malta Airport, Bear Paw Development Corporation, Malta, MT. Environmental Scientist. Managed staff and field work for this Brownfield and Montana Superfund site where soil and groundwater are contaminated with pesticides and herbicides. Completed drilling oversight and lithologic logging, soil and groundwater sampling, data analysis, and environmental risk analysis. Prepared comprehensive report of findings.

Kenco Refinery Phase II ESA, Great Northern Development Corp., Wolf Point, MT. Hydrogeologist. Directed several field staff during a multi-component environmental assessment of a former petroleum refinery. Field activities included borehole drilling and monitoring well installation, soil and groundwater sampling, test pit excavation, asbestos and lead-based paint assessments, and hazardous waste characterizations of abandoned aboveground petroleum storage tanks. Responsible for directing the field campaign and for ensuring the collection of all appropriate data as proposed in the work plan. Prepared a comprehensive Phase II ESA investigation report for the site.

Phase I and II ESAs, Lithia Toyota Property, Missoula, MT. Environmental Scientist and Project Manager. Completed Phase I ESA that identified recognized environmental conditions (RECs) near the property and recommended that a Phase II investigation be completed to evaluate whether historic uses of the area resulted in impacts to onsite subsurface soil and groundwater. Managed staff, subcontractors, budget, and reporting for the Phase II ESA.

Phase II ESA, Kmart Store #3072, Sears Holdings Management Corp., Missoula, MT. Environmental Scientist and Project Manager. An unpermitted industrial injection well was present on the property, and wastes from an onsite detail shop were discharging to the well. Directed a series of investigations to document subsurface conditions. Field activities included the collection of subsurface video footage, dye testing to evaluate the fate of generated wastes, and a soil boring and sampling campaign. Deliverables included a preliminary drain investigation report, a work plan, and a subsurface investigation report.

Phase II ESA, Holiday Village Shopping Center, Missoula, MT. Environmental Scientist and Project Manager. Directed the completion of a Phase II ESA to evaluate whether historic uses of the property resulted in impacts to subsurface soil. Activities included the installation of soil borings, lithologic logging, and collection and analysis of soil samples. The investigation identified the locations of two previously unknown and abandoned underground storage tanks. Provided final investigation report to client.

Phase II ESA, Knife River Property, Kalispell, MT. Environmental Scientist and Assistant Project Manager. Completed SAP and Phase II ESA for several contiguous parcels as part of the City of Kalispell's Brownfield Program. Recommended clean-up/abatement of several contaminant sources. Subsequent remedial actions allowed the property to be sold and it is expected to be redeveloped as an industrial park.

Phase II ESA, Short Stop Site, Bear Paw Development Corporation, Havre, MT. Hydrogeologist. Completed a field investigation at an inactive gasoline station. Activities included soil borings, monitoring well installation, and soil and groundwater sampling. Completed a Phase II ESA report indicating that the site was impacted by one or more petroleum releases. Provided recommendations to the client for additional work necessary to evaluate human health risks and clean-up alternatives.

Blue North Mill Site Assessment, Nez Perce Tribe, Kamiah, ID. Hydrogeologist. Supported environmental evaluations of this former lumber mill, including reviews of environmental site assessment reports. Provided senior-level review of aquifer testing data and hydraulic property estimations that were used to help evaluate possible remedial options for the site. Assisted with marketing efforts that led to the eventual contracting of this client.

Landfill Evaluation, Confederated Colville Tribes, Lake Chelan, WA. Environmental Scientist. Provided senior-level review of Phase I ESA for an informal and unregulated landfill on the Colville Reservation. Assisted with marketing efforts that led to the eventual contracting of this client.

Missoula Sawmill Site, Millsite Revitalization Project, LLC, Missoula, MT. Environmental Scientist. Responsible for coordinating and completing semi-annual onsite and offsite groundwater sampling events. Completed and submitted annual groundwater monitoring reports. Provided oversight during the installation of numerous soil borings, monitoring wells, and soil vapor monitoring probes. Provided oversight of repairs to the long-term subsurface methane monitoring system and supervision during the collection of methane data. Prepared annual methane monitoring reports.

Brownfields Assessments, Great Northern Development Corporation, Wolf Point, MT. Environmental Scientist. Completed five Phase I ESAs and two Phase II ESAs. Project duties included field data collection, data analysis, and reporting. Completed intensive subsurface soil, groundwater, and soil vapor Phase II ESA at a former railroad roundhouse facility and contributed to data analysis and report preparation for the site.

Brownfields Assessments, Fort Peck Tribes, MT. Environmental Scientist. Prepared several Phase I ESAs for the tribe's land buyback program.

Certifications, Trainings, and Professional Affiliations

- OSHA Training: Oil and Gas Industry Safety and Health. Oct. 2012. Pinedale, WY.
- Wyoming Oil and Gas Contractor Training. July 2010. Green River, WY.
- CPR (Adult, Child, Infant). American Red Cross. February 2015. Atlanta, GA.
- Standard First Aid and AED. American Red Cross. March 2011. MT.
- Analysis and Design of Aquifer Tests Including Slug Tests and Fracture Flow. National Groundwater Association Short Course #192. June 18-20, 2007. Dublin, OH.
- Measurement of Stream Discharge by Wading. U.S. Geological Survey Water Resources Training Class SW1271. 2002. Helena, MT.
- ASTM Training - Phase I and II Environmental Site Assessments for Commercial Real Estate. 2010. Helena, MT.
- NewFields Training - Remote Data Collection w/ Unmanned Boats. 2015. Elko, NV.
- Environmental GIS Applications 4-Day Training. 2015. Atlanta, GA.
- PostgreSQL and QGIS 1-day Training. 2015. Atlanta, GA.
- Environmental Database Management System (EDMS) 1-day Training. Atlanta, GA.
- Leapfrog Hydro Software Fundamentals Training. 19-20 February 2014. Santiago, Chile.
- Microsoft Access Course. Watercolor Computer Training. April 2009. Missoula, MT.
- National Park Service River Restoration and Management Workshop. 1999. MI.