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DRAFT

PHASE I ENVIRONMENTAL SITE ASSESSMENT

# Wrangell Mill

WRANGELL, ALASKA

SHANNON & WILSON

January 2023

Shannon & Wilson No: 110055-001

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Submitted To: City and Borough of Wrangell
PO Box 531
Wrangell, Alaska 99929
Attn: Ms. Amber Al-Haddad

Subject: DRAFT PHASE I ENVIRONMENTAL SITE ASSESSMENT, WRANGELL MILL, WRANGELL, ALASKA

Shannon & Wilson, Inc is pleased to submit to the City and Borough of Wrangell (CBW) this Phase I Environmental Property Assessment report for the former Wrangell Sawmill, located at 7.1 Mile Zimovia Highway in Wrangell, Alaska (Property). The Phase I ESA report was performed based on a scope of work presented in our proposal dated September 7, 2022. This project was authorized with a Professional Services Agreement dated September 26, 2022.

The date for most recent relevant research activity associated with generating this report for the subject property is October 4, 2022. This is the date on which the 180-day viability of the Phase I Environmental Site Assessment is based.

This Phase I ESA was prepared by Mr. Chris Pepe under the direct supervision of Mr. Dan P. McMahon. Mr. Pepe, an Environmental Scientist, received a B.S. in Environmental Science from Colorado Mesa University – Grand Junction in 2007. Vice President, Mr. McMahon received a B.A. in Environmental Conservation from University of Colorado - Boulder in 1993. These individuals have the specific qualifications based on education, training, and experience to access a property of the nature, history, and setting of the property, and they have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 Code of Federal Regulations (CFR) Part 312. Shannon & Wilson declares that, to the best of our professional knowledge and belief, Mr. McMahon meets the definition of "Environmental Professional" as defined in 40 CFR 312.10.

We appreciate the opportunity to be of service to you on this project. If you have questions concerning this report, or we may be of further service, please contact the undersigned at (970) 561-2120.

Sincerely

SHANNON & WILSON

Chris Pepe
Environmental Scientist

Dan P. McMahon, PMP
Vice President

# EXECUTIVE SUMMARY

This report documents the results of our Phase I Environmental Site Assessment (ESA) prepared for the former Wrangell Sawmill site. The Property's legal description is Lots 6B & 9B Mitchel-Buhler Replat; Lots 4,5,6,7, and PSS, U.S. Survey 3534; Lots 10, 11, and 20, U. S. Survey 2589; U.S. Survey 3000, and tideland leases (with fill material) ATS 1249 and 1143 (Parcel Account Numbers [PANs] 03-010-135, 03-010-129, 03-010-218, 03-001-152, 03-001-100, 03-001-150, 03-010-216, 03-010-999, 03-010-214, 03-010-220, 03-110-212, 03-001-200, and 03-001-300). The Property is located near mile 7.1 of the Zimovia Highway in Wrangell, Alaska (Property) and encompasses approximately 50 acres. A Vicinity Map is included as Figure 1, and a Site Map is included as Figure 2.

This Phase I ESA included a records review and a visual evaluation of the Property grounds. Prior to the on-site evaluation, historical aerial photos were examined to identify areas of potential concern. Records at municipal and state offices and local utilities were reviewed to determine ownership information, public utility services to the Property, and incidents relating to spills or chemical releases. A representative of the Property owner and Phase I ESA user, and Alaska Department of Environmental Conservation (ADEC) officials were interviewed about potential environmental concerns on or potentially relevant to the Property. Shannon & Wilson subcontracted Environmental Risk Information Services (ERIS) to conduct a search of the Environmental Protection Agency (EPA), ADEC, and local environmental databases that contain information regarding environmental conditions at and near the Property. The ERIS report included a review of historical aerial photographs, Fire Insurance Maps, City Directories, historical topographical maps, and state and federal database searches.

## Recognized Environmental Conditions

A REC is the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. This assessment has revealed the following RECs in connection with the Property:

- Numerous drums, IBCs, and containers of petroleum products and chemicals were observed inside and near the main shop structure, the planer shed structure, the parts structure, and at the former log-sorting area. Leaking containers and stained flooring and soil was observed. There is a potential that other undocumented

releases from these containers or former containers could impact the Property's subsurface soil, surface water, and/or groundwater.

- The former log-sorting area located on the southern portion of the Property is occupied by Tonsgard, a salvage company based in Juneau, Alaska. Currently scrap metal is stored in this area. A hydrocarbon sheen was observed on the ground surface near a scrap pile. There is a potential that other undocumented releases associated with these scrap piles or former scrap piles could impact the Property's soil, surface water, and/or groundwater.
- An oil/water separator is located near the central portion of the Property. Reportedly, a tank associated with the oil/water separator contains oil and the oil/water separator was clogged and required maintenance. As a result, there is a potential that the oil/water separator has not operated properly and could impact the Property and/or Shoemaker Bay.

## Historical Recognized Environmental Conditions

A historical REC is an environmental condition that may have constituted a REC in the past but has been closed by a regulatory agency without restrictions or is otherwise no longer considered to pose a material threat. This assessment revealed no evidence of Historical RECs in connection with the Property.

## Controlled Recognized Environmental Conditions

A controlled REC is an environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls. This assessment revealed no evidence of Controlled RECs in connection with the Property except for the following:

- According to the ADEC, the Property is a closed Contaminated Site, designated the "Wrangell Sawmill". The site was added to the ADEC database in December 2011 when a Phase II ESA documented contaminated soil associated with the former sawmill. Following cleanup and assessment activities, site closure was granted by ADEC in January 2014.

## Other Environmental Conditions

Other Environmental Conditions include known, suspected, or potential sources of hazardous substances or petroleum products that are not considered RECs due to (a) the

absence of a confirmed release or other material threat, (b) insufficient information to sufficiently evaluate the condition, (c) de minimis conditions that are not expected to be subject to regulatory action or (d) exclusion from the ASTM definition of hazardous material (e.g. asbestos containing material [ACM]). The following Other Environmental Conditions were identified:

- There is a potential that petroleum products were used to ignite materials in the burn barrels located on the Property, east the main shop structure. If spilled to the ground surface, these potential petroleum products could impact the Property's soil and/or groundwater. There is also a potential that the process of burning debris can result in the release of dioxins which could potentially impact the Property's soil and/or groundwater
- Based on the construction dates of the on-site structures on the Property, it is possible that ACMs and/or lead-based paint were used in construction and/or remodeling materials.
- Numerous storage tanks of various sizes were observed near the main shop structure, north of the planer shed, south of the paint structure, at the former log-sorting area, east of the warehouse structure, and near the center of the Property (truck-mounted AST). The original locations for the majority of these tanks are unknown. If the tanks leaked or were overfilled, there is a potential that releases from the storage tanks could potentially impact the Property's subsurface soil and/or groundwater.
- Wood pilings from the former dock were observed near the central portion of the Property near Shoemaker Bay. The wood pilings appeared to have been treated with creosote. There is a potential that the chemicals used to treat the wood piling could potentially impact the Property's subsurface soil and/or groundwater. It could not be determined whether soil staining associated with the piling was present.
- The Property has utilized two septic tanks on the Property, and one located on a neighboring property. There is potential that the septic systems could impact the Property's soil and/or groundwater if petroleum products or chemicals were disposed through these systems.
- Reportedly, flocculants may have been used at the slow sand filter beds during operations at the former sawmill. The usage of flocculants may produce a toxic sludge containing heavy metals and could potentially impact the Property's soil, surface water, and/or groundwater.
- Multiple lead acid batteries were observed inside the main shop structure and sheds. If the lead acid batteries leaked, there is a potentially that the batteries could impact the Property's soil, surface water, and/or groundwater.

- Reportedly, three sunken vessels are located near the tidelands of the Property. If these sunken vessels were storing hazardous chemicals and/or fuel, there is a potential could potentially impact the Property.
- According to Ms. Rushmore and Ms. Al-Haddad, of the City and Brough of Wrangell, the Property once utilized transformers, the transformers have been removed however details about original locations are unknown. Additionally, a pole mounted transformer was observed near the former log-sorting area. Transformers are significant because of the possible presence of polychlorinated biphenyls (PCBs). If releases from the transformers occurred, there is a potential could potentially impact the Property.
- Reportedly, debris has been buried on the Property near the southern portion of the Property. If present, there is a potential that contaminants present within the debris could impact the Property.

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## Figures



## Appendices

# ACRONYMS

| | |
|---|---|
| AAI | All Appropriate Inquiries |
| ACM | Asbestos Containing Material |
| ADEC | Alaska Department of Environmental Conservation |
| ADNR | Alaska Department of Natural Resources |
| AST | Aboveground Storage Tank |
| ASTM | ASTM International |
| AULs | Activity and Use Limitations |
| CBW | City and Borough of Wrangell |
| CERCLA | Comprehensive Environmental Response, Compensation, and Liability Act |
| CERCLIS | Comprehensive Environmental Response, Compensation, and Liability Information System |
| C.F.R. | Code of Federal Regulations |
| CORRACTS | TSD Facilities Subject to Corrective Action |
| CREC | Controlled Recognized Environmental Condition |
| DRO | Diesel Range Organics |
| EPA | Environmental Protection Agency |
| ERIS | Environmental Risk Information Services |
| ERNS | Emergency Response Notification System |
| ESA | Environmental Site Assessment |
| GRO | Gasoline Range Organics |
| HREC | Historical Recognized Environmental Condition |
| HVAC | heating, ventilation, and air conditioning |
| IBC | Intermediate Bulk Containers |
| IC | Institutional Control |
| LLP | Landowner Liability Protections |
| LUST | Leaking Underground Storage Tank |
| NFRAP | No Further Remedial Action Planned |
| NONCORRACTS | TSD Facilities Not Subject to Corrective Action |
| Nortech | Nortech Environmental Engineering & Industrial Hygiene Consultants |
| NPL | National Priorities List |
| PAN | Parcel Account Numbers |
| PCBs | Polychlorinated Biphenyls |
| Peak | Peak Engineering, LLC |
| PPA | Prospective Purchase Agreement |
| RCRA | Resource Conservation and Recovery Act |
| REC | Recognized Environmental Condition |
| RRO | Residual Range Organics |
| SARA | Superfund Amendments and Reauthorization Act |
| SHWS | State Hazardous Waste Sites |
| TSD | Treatment, Storage, and Disposal |

ACRONYMS

| | |
|---|---|
| Tonsgard | W.R. Tonsgard Channel Construction Inc. |
| USACE | U.S. Army Corps of Engineers |
| USFWS | U.S. Fish and Wildlife Service |
| U.S.C. | United States Code |
| USGS | United States Geological Survey |
| UST | Underground Storage Tank |
| WELTS | Well Log Tracking System |
| WFD | Water Front Development |

# 1 INTRODUCTION

This report documents the results of our Phase I Environmental Site Assessment (ESA) prepared for the former Wrangell Sawmill site located in Wrangell, Alaska (the Property).

The Property consists of the upland portions of eleven parcels designated Lots 6B & 9B Mitchel-Buhler Replat; Lots 4,5,6,7, PSS, U.S. Survey 3534; and Lots 10, 11, 20, U. S. Survey 2589; and U.S. Survey 3000, and tideland lease (with fill material) ATS 1249 and 1143. The Property encompasses 50 acres and is located near Mile 7.1 of the Zimovia Highway in Wrangell, Alaska. A vicinity map is included as Figure 1.

The Property is located in the southwestern ¼ of the northeastern ¼ of the Protracted Section 20, Township 63 South, Range 84 East, Copper River Meridian, Alaska, as referenced by the U.S. Geological Survey (USGS) Petersburg (B-1) NW quadrangle. According to the City and Borough of Wrangell (CBW) property information database the Property is owned by DB AK Enterprises. Although, we understand that the CBW recently purchased the Property.

## 1.1 General Site Description

A former sawmill occupied the Property as early as the 1950s until approximately 2008. Currently, structures formerly associated with the sawmill, including a main shop, a planer shed structure, a parts structure, and a warehouse structure are present on the Property. The remaining structures associated with the former sawmill have been removed from the Property.

## 1.2 Purpose

A Prospective Purchasers Agreement (PPA) dated June 29, 2020, between the Alaska Department of Environmental Conservation (ADEC) and the CBW requires the preparation of a Phase I ESA in accordance with ASTM International (ASTM) Standard E1527-21. According to the PPA, if the Phase I ESA identifies recognized environmental conditions (RECs), CBW will investigate the RECs as part of a Phase II ESA. Additionally, if contamination is identified during the Phase II ESA, it will be considered "existing contamination" and limit the CBW's associated potential liability.

A REC is defined by ASTM 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.

## 1.3 Special Terms and Conditions

The Phase I ESA was prepared for the CBW. This work was performed in general accordance with our proposal for environmental services dated September 7, 2022, and with ASTM E 1527-21. A copy of our proposal is included in Appendix A. Authorization to proceed with the Phase I ESA was received in the form of a Professional Services Agreement dated September 26, 2022.

## 1.4 Scope of Work

Our scope of services was detailed in our proposal, included as Appendix A, and included the following subtasks:

- Review of readily available information with respect to current uses of the Property and its surroundings.
- Review of readily available information from various sources, including City Directories, historical maps, and aerial photographs, with respect to the historical uses of the Property and its surroundings.
- Review of state and federal databases of known and suspected contaminated sites.
- Reconnaissance of the Property and immediate site vicinity.
- Review of information related to the physical setting of the Property.
- Interviewing individuals knowledgeable about the Property.
- Review of information provided by the user of this Phase I ESA.
- Preparation of this report.

The scope of this project does not include an evaluation of all environmental considerations and business environmental risks outside the definition of a REC that may be relevant to a particular transaction, such as testing for radon and mold, or evaluation of indoor air quality, regulatory compliance, and health/safety matters. It also does not include any sampling or testing of air, soil, water, or building materials.

## 1.5 Limitations, Exceptions, and Data Gaps

As discussed in the Phase I ASTM standard, performance of a Phase I ESA, even in compliance with the Phase I ASTM standard, cannot eliminate uncertainty regarding the

potential for hazardous substances or petroleum to exist at a property. The use of this Phase I ESA is strictly limited to the scope set forth in the proposal.

The following elements of the Phase I ESA constitute deviations, exceptions, and/or data gaps, with respect to the standard requirements of ASTM E 1527-21. In our opinion, none of these considerations impacts our ability to identify RECs at the subject property, with the exceptions noted below.

- The Alaska Department of Environmental Conservation (ADEC) List of Contaminated Sites is assumed to be equivalent to a hazardous waste sites list and includes voluntary cleanup sites.
- Tribal lists are identified as "standard environmental sources" in Table 2 of ASTM E 1527-21. Although the Indian Leaking Underground Storage Tank (LUST) database was reviewed, to our knowledge, no additional tribal databases exist for the State of Alaska.
- All of the Standard Historical Sources listed in ASTM Section 8.3.4 were not researched for this ESA because they were not reasonably ascertainable and likely to be useful.
- The Phase I ASTM standard Section 6 requires that the User review judicial records for evidence of environmental liens and AULs that are imposed by judicial authorities if such records are applicable. To our knowledge, judicial records were not reviewed by the User in connection with this Phase I ESA.
- Debris located throughout the Property prevented the direct observation of the ground surface and the floors of many of the structures located on the Property.
- Vegetative ground cover compromising of alders, willows, and grasses were present over a majority of the site and prevented direct observation of much of the Property's ground surface.

## 1.6 Significant Assumptions

Information collected for this Phase I ESA was obtained from numerous sources, including interviews with government agencies and others. The sources are identified in the body of this report. The information obtained from these sources to the extent relied upon in forming our opinions, is assumed to be accurate and complete. Persons who were interviewed are assumed to have answered all questions in good faith, accurately, and to the extent of their knowledge.

## 1.7 User Reliance

The Phase I ASTM standard defines "User" as the party seeking to use the standard to complete an ESA of the subject property and may include, without limitation, a potential purchaser of property, a potential tenant of subject property, an owner of property, a lender, or a property manager. The information and opinions in this report are exclusively for the use of and reliance by the Client and their respective affiliates, representatives, and agents. Reliance on this Phase I ESA by all authorized persons or entities is subject to the terms and conditions set forth in the proposal. No other persons or entities are entitled to rely on this report without prior written approval from Shannon & Wilson, which consent may be conditioned upon, among other things, payment of a fee. In any event, such third-party's reliance would be limited to the same extent of Client's reliance and subject to the same contractual, technological, and other limitations to which the Client has agreed.

This Phase I ESA is valid for a period of 180 days from the date of the earliest data inquiry reported herein. Its use after 180 days is subject to the limitations and requirements in the Phase I ASTM standard, including but not limited to, Section 4.7. The services provided by Shannon & Wilson were performed consistent with the standards of the profession and Shannon & Wilson provides no other warranty of any kind, whether express or implied. For the purposes of this report, the date of earliest inquiry is October 4, 2022.

# 2 USER PROVIDED INFORMATION

The Federal All Appropriate Inquires (AAI) regulations require that certain tasks be performed by or on behalf of a party seeking to qualify for the Landowner Liability Protections (LLPs) under the federal Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). While such information is not required to be provided by the User to the environmental professional, the environmental professional shall request that the user provide the results of these tasks as such information can assist the environmental professional in identifying RECs. The ASTM standard requires that parties seeking to qualify for liability protection afforded by CERCLA must provide the information presented in this section as part of the Phase I ESA. The information is not required to be provided by the Environmental Professional.

## 2.1 User Questionnaire

Ms. Carol Rushmore and Ms. Amber Al-Haddad, CBW staff, completed the User Questionnaire on behalf of the CBW. The User Questionnaire is included in Appendix B.

## 2.2 Specialized Knowledge or Experience

Ms. Rushmore and Ms. Al-Haddad do not have specialized knowledge or experience in connection with the subject property or nearby properties relative to environmental matters.

## 2.3 Reason for Significantly Lower Purchase Price to Fair Market Value

Ms. Rushmore and Ms. Al-Haddad indicated that the purchase price of the Property reflects fair market value.

## 2.4 Commonly Known or Reasonably Ascertainable Information

Ms. Rushmore and Ms. Al-Haddad indicated that they are aware that the Property was formerly a sawmill, but details of the operations are unknown. They are also aware that the Property is an ADEC Contaminated Site with a status of "cleanup complete".

## 2.5 Degree of Obviousness

Considering the Property is an ADEC Contaminated Site, Ms. Rushmore and Ms. Al-Haddad are aware of obvious indicators that point to the presence or likely presence of contamination or releases at the subject property.

## 2.6 Owner/Occupant and Property Manager Information

On September 15, 2022, Ms. Rushmore and Ms. Al-Haddad completed the "Owner" questionnaire on behalf of the CBW. They stated that Alaska Pacific Lumber owned the Property until approximately 1971. They did not know how long Alaska Pacific Lumber occupied the Property. Ms. Rushmore and Ms. Al-Haddad stated that Alaska Wrangell Company occupied the Property from the 1980s to 1998. They also stated the Silver Bay Logging (Dick and Betty Buhler) owned the Property from 1998 to 2014. DB AK Enterprises (Dick and Betty Buhler) owned the Property from 2014 to 2022.

Ms. Rushmore and Ms. Al-Haddad indicated that they are aware that the Property is an ADEC Contaminated Site with a status of "cleanup complete". They stated that they are not aware of a water well on the Property and that the Property is not connected to natural gas services. They stated that oil/fuel storage tanks and transformers have been used on the Property. In addition, excavations of contaminated soil have occurred on the Property. They also provided copies of historical environmental assessment reports and documents, which are discussed in Section 2.7. A copy of the owner questionnaire is included in Appendix B.

## 2.7 Previous ESAs and Documents

The following reports and documents discussed below were provided by the CBW.

January 17, 2014, ADEC, *Re: Decision Document: Wrangell Sawmill Cleanup Complete Determination letter*

The ADEC Decision Document states that the Wrangell Sawmill began operating in the mid-1950s, processing lumber for shipment to Japan. The mill site covered approximately 50 acres and approximately 22-acres of the site was paved with asphalt or concrete. Surface water drained into an oil/water separator before discharging into Shoemaker Bay. The oil/water separator had been in use since 1992. The ADEC letter states that the Alaska Pulp Corporation occupied the Property until 1995. In 1995, Richard Buhler of Silver Bay Logging purchased the Property. Prior to Silver Bay purchasing the Property, thirteen environmental areas of concern were identified by Southeast Management Services in 1996. Southeast Management Services collected soil, concrete, and water samples and "concluded that no significant environmental concerns or problems appeared present on the Sawmill site at this time". Silver Bay Logging re-opened the sawmill in 1998 and operated until 2008, when sawmill operations ceased. At this time decommissioning, demolition, and removal of the sawmill's processing and operation facilities were conducted.

In 2006, a Phase I ESA was conducted by Nortech Environmental Engineering & Industrial Hygiene Consultants (Nortech). Nortech identified stained soils associated with loose fittings connected to a fuel tank at a sort-yard tank farm. Subsequently, a Phase II ESA was conducted by Nortech in 2011 and 60 field screening samples and 14 analytical samples were collected. The results indicated that contaminated soil exceeding the ADEC cleanup levels existed on site. The Wrangell Sawmill was added as an ADEC-listed Contaminated Site in December 2011.

Characterization and cleanup activities began in 2012. At this time, contaminants of concern included diesel range organics (DRO), residual range organics (RRO), and gasoline range organics (GRO). A total of 14 separate areas were excavated in 2012. Confirmation soil samples collected from the excavations were below ADEC cleanup levels with the exception of three areas. Additional excavation activities were conducted at these three areas in 2013.

Approximately 9,360 cubic yards of contaminated soil was stockpiled in four biocells at a cleared concrete area for bioremediation treatment. Confirmation samples collected in September 2013 from the stockpiles contained DRO and RRO concentrations less than the ADEC Method Two ingestion cleanup levels but greater than the ADEC Method Two migration to groundwater cleanup levels. It is noted that the ADEC determined that he ADEC Method Two migration to groundwater cleanup levels are not applicable to this site.

According to the ADEC, some of the remediated material was used along the embankment behind the sawmill office and to fill depressions and to cover areas on the Property. About 1,000 cubic yards of material remained onsite for other uses.

Following investigation and cleanup activities, the ADEC determined that "contaminant concentrations remaining on site do not pose an unacceptable risk to human health or the environment." Site closure was approved in January 2014 and no further assessment or cleanup was required, however the ADEC database states that "advance approval required to transport soil or groundwater off-site" and "movement or use of contaminated material (including on site) in a manner that results in a violation of the water quality standards is prohibited (18 AAC 70)". A copy of the ADEC's Wrangell Sawmill Cleanup Complete Determination letter is included in Appendix G.

April 2022, Peak Engineering, LLC, *Buhler Mill Site Investigation and Summary for the City and Borough of Wrangell*

On behalf of the CBW, Peak Engineering, LLC (Peak) conducted a site survey of the former Wrangell Mill site. Peak estimated that approximately 21,700 cubic yards of sawdust and chips and 14,200 yards of mixed bark, rock, and larger chunks of wood are present on the Property.

According to the Peak report, the oil/water separator located in the central portion of the Property, collected surface water from "the northern 2/3 of the site". In addition, multiple manholes that function as area drains that direct flows to a pond just east of the oil/water separator. Peak stated that during the time of their inspection, the inlet for the oil/water separator appeared to be partially clogged with debris. Oil was observed within a tank associated with the oil/water separator. Peak stated that they did not observe any oil slicks at the outfall sites. They did state that the oil/water separator "should be serviced and maintained" and remove any debris that may be partially clogging the oil/water separator.

Peak stated that slow sand filter beds, located northwest of the warehouse structure, were constructed in the 1950s to filter water for the Property. The Peak report stated, "it is unknown whether flocculants were used in the late 1950s but would most certainly have been used in the 1960s". Flocculation is typically added to the water and acts to facilitate bonding between particles, creating larger aggregates which are easier to separate. The usage of flocculants may produce a toxic sludge which contains metals.

Peak believed that there were two septic tanks onsite and one offsite that were used to service the mill. One septic tank was located southwest of the planer shed and one septic tank was located west of a warehouse. The third septic tank was located on private property east of the warehouse, near neighboring residential structures.

According to the Peak report, there are three sunken vessels on the tidelands west of the Property. The Silver Bay II, a 65-foot tugboat sank near the northwest end of the Property, near a former dock. According to the report this vessel sank in 90 feet of water and the Coast Guard "deemed this vessel to not be an obstruction and no fuel remains on board. Additionally, two barges sank in the tidelands near the Property. The Peak article did not mention if the barges were carrying fuel when they sank.

Peak estimated approximately 41 tons of scrap metal is currently located on the Property. They also stated that there is a "large quantity of treated wood along the shorelines. They stated that tires are scattered throughout the entire site and that there's over 1,600 cubic yards of debris that needs to be removed.

June 2022, ADEC and the Alaska Department of Law, *The City and Borough of Wrangell 2022 Prospective Purchase Agreement Letter*

The CBW and the ADEC entered into a Prospective Purchase Agreement (PPA), to release the CBW "from certain liability that might otherwise arise under state law, in exchange for the implementation by the CBW of work to be performed at the site". The PPA stated that the Property is an ADEC Contaminated Site (ADEC File Number 1529.38.022, Hazard ID 25786), and contamination from the previous sawmill activities has been documented. The PPA states that the CBW entered into a purchase agreement to purchase the Property, develop the Property, and restore the use of the Property for the community. The PPA states that the "purchaser agrees to conduct a Phase I ESA in accordance with the ASTM standard E1527-21. If the Phase I identifies RECs, the purchaser agrees to investigate the RECs as part of a Phase II environmental assessment in accordance with ASTM standard E1903-19 and a work plan approved by ADEC". According to the PPA, contamination identified during the Phase II environmental assessment will be considered existing contamination. "If contamination is identified in the soil or groundwater that would render the Property suitable for some, but not all uses, the purchaser agrees to expend up to $50,000 in substantive response actions (not paperwork), approved by ADEC, attempting to address exposure pathways or other unsafe conditions. In addition, if there is still a restriction on uses after the response actions Purchaser will prepare an environmental covenant for review and approval by ADEC and place institutional controls on the Property to control exposure to contaminated media or cleanup contamination to unrestricted us standards in accordance with state and federal law".

## 2.8 Environmental Liens and Activity and Use Limitations

An environmental lien is a charge, security, or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation, or duty arising out of response

actions, cleanups, or other remediation of hazardous substances or petroleum products upon a property, including but not limited to, liens imposed pursuant to CERCLA and similar state law.

Activity and Use Limitations (AULs) are one indication of a past or present release of a hazardous substance or petroleum products. AULs may consist of institutional controls (IC) such as a prohibition on certain use of the Property or engineered controls such as an engineered barrier or cap over contamination. AULs are explicit recognition by a federal, tribal, state, or local regulatory agency that residual levels of hazardous substances or petroleum may be present on the Property.

The Client did not request that Shannon & Wilson arrange for a search of land title records (or judicial records) for environmental liens or AULs. Ms. Rushmore and Ms. Al-Haddad indicated that they were not aware of an environmental cleanup lien against the Property or AULs in place, filed or recorded under federal, tribal, state, or local law, or in judicial records. Although, they provided a Cleanup Complete Determination prepared by the ADEC and dated January 17, 2014, which states that any proposal to transport soil or groundwater off-site requires ADEC approval and movement or use of contaminated material which results in a violation of water quality standards is prohibited.

# 3 SITE RECONNAISSANCE

The purpose of the site reconnaissance is to make observations that help identify RECs in connection with the subject property. A representative of Shannon & Wilson (Mr. Chris Pepe) visited the Property and surrounding area on October 12, 2022, to visually observe the subject property for evidence of confirmed and potential impacts of hazardous substances or petroleum resulting from historical or current use of the subject Property. Photographs from our site reconnaissance are included in Appendix C. Information obtained during the site reconnaissance is presented in Appendix D.

# 4 RECORDS REVIEW

The purpose of the records review is to obtain and review records concerning the Property and properties in the vicinity that will help identify RECs in connection with the Property.

Shannon & Wilson subcontracted Environmental Risk Information Services (ERIS) to conduct a search of the Environmental Protection Agency (EPA) and ADEC databases that contain information regarding environmental conditions at and near the Property. The ERIS report was produced between October 4 and October 6, 2022. A review of historical aerial

photographs, City Directories, fire insurance maps, historical topographical maps, and physical settings was also included in the ERIS report. Distances of Federal and State-listed sites from the Property are taken directly from the ERIS report. Standard Environmental Record Sources and the Additional Environmental Record Sources identified in ASTM E 1527-21 were reviewed by Shannon & Wilson and/or ERIS to the extent reasonably ascertainable and likely to be useful. In addition, local utility sources were contacted by Shannon & Wilson as part of the database search. This database search complies with ASTM E 1527-21, with the exceptions noted in Section 1.5.

## 4.1 Aerial Photographs

We reviewed aerial photographs acquired from ERIS and GoogleEarth® to evaluate current and prior land use in the immediate vicinity of the Property. The photographs included in this report are from 1948, 1965, 1979, 1982 and 2017 and are included in Appendix E.

| Date and Scale | Property Conditions | Surrounding Area Conditions |
|---|---|---|
| 1948<br>1" = 300' | The majority of the Property is inundated by Shoemaker Bay. A structure is present near the northeastern portion of the Property. Vegetation appears to have been removed near the southeastern portion of the Property | Zimovia Highway is present as an unimproved road east of the Property. The remaining surrounding area appears to be undeveloped and vegetated |
| 1965<br>1" = 300' | The western portion of the Property has been filled. Multiple structures, including the sawmill, are present on the northeastern portion of the Property and a larger structure is present on the southeastern portion of the Property. A dock near the northern portion of the Property extends into Shoemaker Bay. Logs waiting to be processed are floating in Shoemaker Bay near the Property. | Structures have been constructed on the adjacent parcel north of the Property and additional structures have been constructed further to the north. The remaining surrounding area appears similar to the 1948 photo. |
| 1979<br>1" = 300' | The western portion of the Property has been further filled to the west. The structure to the southeast has been removed. Due to poor resolution additional details are hard to decipher. | Structures have been constructed northeast of the Property, beyond the Zimovia Highway. |
| 1982<br>1" = 300' | Numerous structures and trailers are present throughout the Property. | Additional structures have been constructed north of the Property. |
| 2017<br>GoogleEarth® | The majority of the structures have been removed from the Property. Remnants of the sawmill activities are present throughout the Property. Structures along the eastern boundary of the Property remain. | The area east of the Property, beyond Zimovia Highway have been cleared of vegetation and trailers and vehicles are present. Further to the east the construction of a road is present. |

## 4.2 Physical Setting Resources

ERIS provided a report of geologic, hydrogeologic, hydrologic, and topographic characteristics of the Property to further develop an understanding of the previous and current uses of the Property and surrounding area. The ERIS Physical Setting Report is included in Appendix G.

### 4.2.1 Surface Water

Shoemaker Bay borders the Property to the west. Streams are present on the northern and southern boundaries of the Property. A lagoon is located east of the oil/water separator on the central portion of the Property.

### 4.2.2 Groundwater Characteristics

Establishing a local groundwater-flow direction and horizontal hydraulic gradient is outside the scope of this Phase I ESA. However, groundwater flow direction is likely to the west, towards Shoemaker Bay. It is assumed that groundwater is located less than 10 feet below the ground surface across much of the Property.

The ERIS physical setting report (included in Appendix G) did not identify water wells on the Property but shows the location of a groundwater well approximately 2,562 south of the Property.

### 4.2.3 Soils/Geology

The majority of the Property has been expanded to the west, into Shoemaker Bay with fill material. Soil at the Property likely consists of fill material overlying organic material and unconsolidated marine deposits and shallow bedrock. The uplands areas of the Property likely contain organics overlying silt and sand with gravel.

## 4.3 USGS Topographic Map Review

Shannon& Wilson reviewed historical topographic maps provided by ERIS (Appendix G). A summary of the topographic map evaluation is presented below.

| Date and Scale | Property Conditions | Surrounding Area Conditions |
|---|---|---|
| 1948<br>15 minute | Several structures are depicted along the shoreline of Shoemaker Bay. | Structures are depicted north of the Property, along Shoemaker Bay. Zimovia Highway is present east of the Property. |
| 1963<br>15 minute | The map is similar to the 1948 map. | The adjacent parcels are similar to the 1948 map. |
| 1978<br>15 minute | The map is similar to the 1963 map. | The adjacent parcels are similar to the 1963 map. |
| 1992<br>7.5 minute | Fill material extends further west into Shoemaker Bay. Several structures are depicted near the northeastern portion of the Property. | Additional structures are shown north of the Property, east and west of Zimovia Highway. A gravel pit is depicted southeast of the Property. |
| 1995<br>15 minute | A sawmill is depicted on the Property. | Structures are depicted east, northeast and southeast of the Property. |
| 2017<br>7.5 minute | The map does not depict structures. | The map does not depict structures. |
| 2021<br>7.5 minute | The map is similar to the 2017 map. | The adjacent parcels are similar to the 2017 map. |

## 4.4 Historical Records Review

### 4.4.1 Fire Insurance Maps

According to the ERIS report, Sanborn Fire Insurance Maps are not available for the Property.

### 4.4.2 Zoning/Land Use Records

According to the CBW property database, the subject property is zoned WFD (water front development).

### 4.4.3 City Directories

The 1996, 1998, 2000, 2003, 2008, 2011, 2016, and 2020 City Directories were provided in the ERIS search. The Property is first listed in the 2003 City Directory as "Silver Bay Logging Inc.". "Silver Bay Logging Inc." is also listed for the Property in the 2008, 2011, 2016, and 2020 City Directories.

No listings are listed in the 1996, 1998, and 2000 City Directories. In 2003, listings for parcels in the vicinity of the Property include Bob's Backhoe SVC and numerous residential properties. In 2011, listings for parcels in the vicinity of the Property include Golden Thimble (alterations-clothing), Simply Sterling (jewelry designers), and Bliss Design (screen printing). Alaska Peak & Seas (boats-rental and charter) and Wrangell Security are listed in the 2016 listings. Alaska Peak & Seas is also listed in the 2020 City Directory.

## 4.5 Regulatory Records Review

Standard federal and state environmental records were researched consistent with the approximate minimum search distance set forth in Section 8.2.1 of the Phase I ASTM standard for pertinent information regarding the environmental condition of the Subject property, adjoining parcels, and properties in the vicinity.

### 4.5.1 Federal Databases

The National Priorities List (NPL) specifies those properties assigned the EPA's highest cleanup priority. According to the ERIS report, there are no NPL sites located within a 1.0-mile radius of the Property. The ERIS report did not identify any delisted NPL sites within 0.5 mile of the Property.

The Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) is also compiled by the EPA and includes sites the EPA has investigated or is currently investigating for potential hazardous substance contamination for possible

inclusion on the NPL. The ERIS report did not identify any CERCLIS sites located within a 1.0-mile radius of the Property.

The ERIS report did not identify any No Further Remedial Action Planned (NFRAP) CERCLIS sites listed as being located within 0.5 mile of the Property.

The ERIS report did not identify any Recovery Act (RCRA) treatment, storage, or disposal (TSD) facilities not subject to corrective action (CORRACTS) within 0.5-mile of the Property. The ERIS report did not identify any RCRA TSD facilities subject to corrective action (NONCORRACTS) as being located within 0.5-mile of the Property.

According to the ERIS report, the subject Property is not listed as a RCRA hazardous waste generators or handlers. The adjoining parcels are not identified as current hazardous waste generators or handlers.

The Emergency Response Notification System (ERNS) lists reported hazardous substance releases in quantities greater than the reportable quantity. According to the ERIS report, the Property is not on the ERNS list.

According to the ERIS report, there are no EPA Brownfield Assessment, Cleanup, and Revolving Loan Fund Grantees sites that are within 0.5 mile of the Property.

### 4.5.2 Summary of Review of State Databases

State records including the ADEC Spills List, the ADEC registered Underground Storage Tank (UST) database, and the ADEC LUST and contaminated sites database were included in the ERIS report. State records of Landfill/Solid Waste Disposal Site List were reviewed by Shannon & Wilson. The records for the Property and vicinity are summarized below.

Spills List

According to the ERIS report, the Property and the adjoining parcels are not listed on the Spills List.

Landfill/Solid Waste Disposal List

Shannon & Wilson reviewed the State Landfill/Solid Waste Disposal Site List on October 10, 2022. According to the ADEC's Solid Waste Management database, no active landfills or solid waste disposal sites are identified within 0.5 mile of the Property.

Registered Underground Storage Tank Database

According to the ERIS report, the Property is not listed as a registered UST site. The ERIS report did not list any registered UST sites within 0.25 mile of the Property.

Leaking Underground Storage Tank Database

According to the ERIS report, the Property is not listed as a LUST site. The ERIS report did not identify any LUST sites within 0.5 mile of the Property.

Contaminated Sites Database

According to the ERIS report, a review of the State Hazardous Waste Sites (SHWS) records, which includes ADEC LUST and contaminated sites, identified one (the Property) SHWS sites within approximately 1.0 mile of the Property.

The Property is listed as the "Wrangell Sawmill" site and has a status of "cleanup complete" ADEC Contaminated Site. The site was added to the ADEC database in December 2011 when petroleum related contamination associated with historical sawmill activities was documented environmental assessments at the Property. Following cleanup and assessment activities, site closure was approved in was approved in January 2014. Additional information regarding the Property is presented in Section 2.8.

# 5 INTERVIEWS

## 5.1 Past and Present Owner/Operator

Mr. Dave Bryner, lead mechanic for CBW, accompanied S&W's field representatives, Mr. Chris Pepe, during the Phase I ESA site reconnaissance on October 12, 2022 (See Appendix D). Mr. Bryner previously worked at the Property first in 1984 with the Alaska Pulp Corporation and also with Silver Bay Logging in the 2000. Richard Buhler, former owner of the Property, was not interviewed as he is no longer alive. Additionally, Ms. Amber Al-Haddad, CBW staff, was also interviewed about the Property (See Section 2)

## 5.2 State and/or Local Officials

Mr. Nick Waldo of the ADEC, was contacted on October 12, 2022 regarding the status of the "Wrangell Sawmill" cleanup complete contaminated site (the Property). An inquiry was made regarding an entry on the ADEC database for the Property. On May 2, 2022 the ADEC received a phone call "alleging previously unreported dumping of fungicide barrels at the site". Mr. Waldo stated "I spoke with the individual who made the report about the dumping, as well as with City of Wrangell officials. I determined that the individual did not have first-hand knowledge of the incident, but rather was repeating a claim that has been

circulating among people in Wrangell since before the site cleanup occurred. There was not enough evidence for DEC to reopen the site based on that report". Mr. Waldo also stated that he does not believe that groundwater monitoring wells were installed as part of the site cleanup. Mr. Waldo stated that the information and reports on the ADEC database regarding the Property and surrounding area are current.

# 6 OTHER ENVIRONMENTAL CONSIDERATIONS

**High Voltage Power Lines.** No high voltage power lines were observed during the October 12, 2022 site visit.

**Lead in Drinking Water**. According to the CBW, the Property is currently connected to CBW water services. According to CBW, they have not historically and does not currently utilize lead pipes in the construction of water mains. Therefore, the potential for lead pipes and/or naturally occurring lead in the site's soil to impact the site's drinking water is currently not applicable.

**Wetlands and Surface Waters.** According to the U.S. Army Corps of Engineers (USACE) and the EPA, wetlands are defined as areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Three indicators are used to identify wetlands: (1) vegetation, (2) soil, and (3) hydrology. According to the ERIS report, wetlands are present on the Property on the southern and northwestern portions of the Property. According to the ERIS report the wetlands are classified as "estuarine and marine wetland".

**Cultural, Historic, and Archeological Resources.** The National Register of Historic Places is the Nation's official list of cultural resources worthy of preservation. This register, viewed on October 6, 2022, does not list any cultural resource sites or cultural resource districts located on the Property.

**Threatened and Endangered Species**. According to the U.S. Fish and Wildlife Service (USFWS), 12 endangered animal species and one endangered plant species exist in Alaska. Five animal species are considered endangered by the Alaska Department of Fish and Game, Division of Wildlife Conservation. According to the USFWS database viewed on December 20, 2022, several federal and stated listed species are found in the Haines area. The following species have habitat ranges in the vicinity of Haines, including the Green Sea Turtle, the Northern Sea Otter, Blue Whale, Fin Whale, Humpback Whale, Leatherback Sea Turtle, North Pacific Right Whale, Sperm Whale, and Stellar Sea Lion.

**Wildlife Sanctuaries and Other Natural Resource Preserves**. The USFWS database was, viewed on October 6, 2022, does not list the Property as a wildlife sanctuary.

# 7 FINDINGS AND CONCLUSIONS

We have performed this Phase I ESA in conformance with the scope and limitations of ASTM Practice E1527-21, of the Property. Any exceptions to, or deletions from, this practice are described in Section 1.3 of this report. Based on our opinion regarding the potential for a release, material threat of a release, or other threat to human health and the environment, we have classified the potential environmental conditions as RECs, Historical RECs, Controlled RECs, or Other Environmental Conditions.

## 7.1 Recognized Environmental Conditions

A REC is the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. This assessment has revealed the following RECs in connection with the Property:

- Numerous drums, IBCs, and containers of petroleum products and chemicals were observed inside and near the main shop structure, the planer shed structure, the parts structure, and at the former log-sorting area. Leaking containers and stained flooring and soil was observed. There is a potential that other undocumented releases from these containers or former containers could impact the Property's subsurface soil, surface water, and/or groundwater.
- The former log-sorting area located on the southern portion of the Property is occupied by Tonsgard, a salvage company based in Juneau, Alaska. Currently scrap metal is stored in this area. A hydrocarbon sheen was observed on the ground surface near a scrap pile. There is a potential that other undocumented releases associated with these scrap piles or former scrap piles could impact the Property's soil, surface water, and/or groundwater.
- An oil/water separator is located near the central portion of the Property. Reportedly, a tank associated with the oil/water separator contains oil and the oil/water separator was clogged and required maintenance. As a result, there is a potential that the oil/water separator has not operated properly and could impact the Property and/or Shoemaker Bay.

## 7.2 Controlled Recognized Environmental Conditions

A controlled REC is an environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls. This assessment revealed no evidence of Controlled RECs in connection with the Property except for the following:

- According to the ADEC, the Property is a closed Contaminated Site, designated the "Wrangell Sawmill". The site was added to the ADEC database in December 2011 when a Phase II ESA documented contaminated soil associated with the former sawmill. Following cleanup and assessment activities, site closure was granted by ADEC in January 2014.

## 7.3 Historical Recognized Environmental Conditions

A historical REC is an environmental condition that may have constituted a REC in the past but has been closed by a regulatory agency without restrictions or is otherwise no longer considered to pose a material threat. This assessment revealed no evidence of Historical RECs in connection with the Property.

## 7.4 Other Environmental Conditions

Other Environmental Conditions include known, suspected, or potential sources of hazardous substances or petroleum products that are not considered RECs due to (a) the absence of a confirmed release or other material threat, (b) insufficient information to sufficiently evaluate the condition, (c) de minimis conditions that are not expected to be subject to regulatory action or (d) exclusion from the ASTM definition of hazardous material (e.g. asbestos containing material [ACM]). The following Other Environmental Conditions were identified:

- There is a potential that petroleum products were used to ignite materials in the burn barrels located on the Property, east the main shop structure. If spilled to the ground surface, these potential petroleum products could impact the Property's soil and/or groundwater. There is also a potential that the process of burning debris can result in the release of dioxins which could potentially impact the Property's soil and/or groundwater
- Based on the construction dates of the on-site structures on the Property, it is possible that ACMs and/or lead-based paint were used in construction and/or remodeling materials.

- Numerous storage tanks of various sizes were observed near the main shop structure, north of the planer shed, south of the paint structure, at the former log-sorting area, east of the warehouse structure, and near the center of the Property (truck-mounted AST). The original locations for the majority of these tanks are unknown. If the tanks leaked or were overfilled, there is a potential that releases from the storage tanks could potentially impact the Property's subsurface soil and/or groundwater.
- Wood pilings from the former dock were observed near the central portion of the Property near Shoemaker Bay. The wood pilings appeared to have been treated with creosote. There is a potential that the chemicals used to treat the wood piling could potentially impact the Property's subsurface soil and/or groundwater. It could not be determined whether soil staining associated with the piling was present.
- The Property has utilized two septic tanks on the Property, and one located on a neighboring property. There is potential that the septic systems could impact the Property's soil and/or groundwater if petroleum products or chemicals were disposed through these systems.
- Reportedly, flocculants may have been used at the slow sand filter beds during operations at the former sawmill. The usage of flocculants may produce a toxic sludge containing heavy metals and could potentially impact the Property's soil, surface water, and/or groundwater.
- Multiple lead acid batteries were observed inside the main shop structure and sheds. If the lead acid batteries leaked, there is a potentially that the batteries could impact the Property's soil, surface water, and/or groundwater.
- Reportedly, three sunken vessels are located near the tidelands of the Property. If these sunken vessels were storing hazardous chemicals and/or fuel, there is a potential could potentially impact the Property.
- According to Ms. Rushmore and Ms. Al-Haddad, of the City and Brough of Wrangell, the Property once utilized transformers, the transformers have been removed however details about original locations are unknown. Additionally, a pole mounted transformer was observed near the former log-sorting area. Transformers are significant because of the possible presence of polychlorinated biphenyls (PCBs). If releases from the transformers occurred, there is a potential could potentially impact the Property.
- Reportedly, debris has been buried on the Property near the southern portion of the Property. If present, there is a potential that contaminants present within the debris could impact the Property.

# 8 LIMITATIONS

This report is an instrument of service prepared by Shannon & Wilson for the exclusive use of the CBW, herein referred to as the Client, and their affiliates. This report was prepared for the exclusive use of the Client for evaluating the Property as it relates to the environmental aspects discussed herein. The conclusions contained in this report are based on information provided from the observed site conditions, personal interviews, and other sources identified herein, and further assume that the conditions observed are representative of the conditions throughout the Property. The data presented in this report should be considered representative of the time of our site assessment. Changes due to natural processes or human activity can occur over time. In addition, changes in government codes, regulations, or laws may occur. Because of such changes beyond our control, our observations, and interpretations applicable to this Property may need to be revised.

To create a report on which the Client can rely, Shannon & Wilson worked closely with the Client and their representatives to develop the scope of services upon which all subsequent tasks have been based. No party other than the Client and its affiliates is permitted by Shannon & Wilson to rely on this instrument of Shannon & Wilson's service, except as stipulated in Section 1.6. With the permission of the Client, Shannon & Wilson will meet with a third party, approved in writing by the Client, to identify the additional services required, if any, to permit such third party to rely on the information contained in this report. Such reliance by any third party is limited to the same extent of Client's reliance and subject to the same contractual, technological, and other limitations to which the Client has agreed.

Shannon & Wilson has prepared the enclosure, "*Important Information About Your Environmental Site Assessment/Evaluation Report*" to assist you and others in understanding the use and limitations of our report.


Map adapted from aerial imagery provided by GoogleEarthPro® , reproduced by permission granted by Google Earth Mapping Service. Aerial Imagery date: June 2021.

0 2,500 5,000 10,000

APPROXIMATE SCALE IN FEET

N

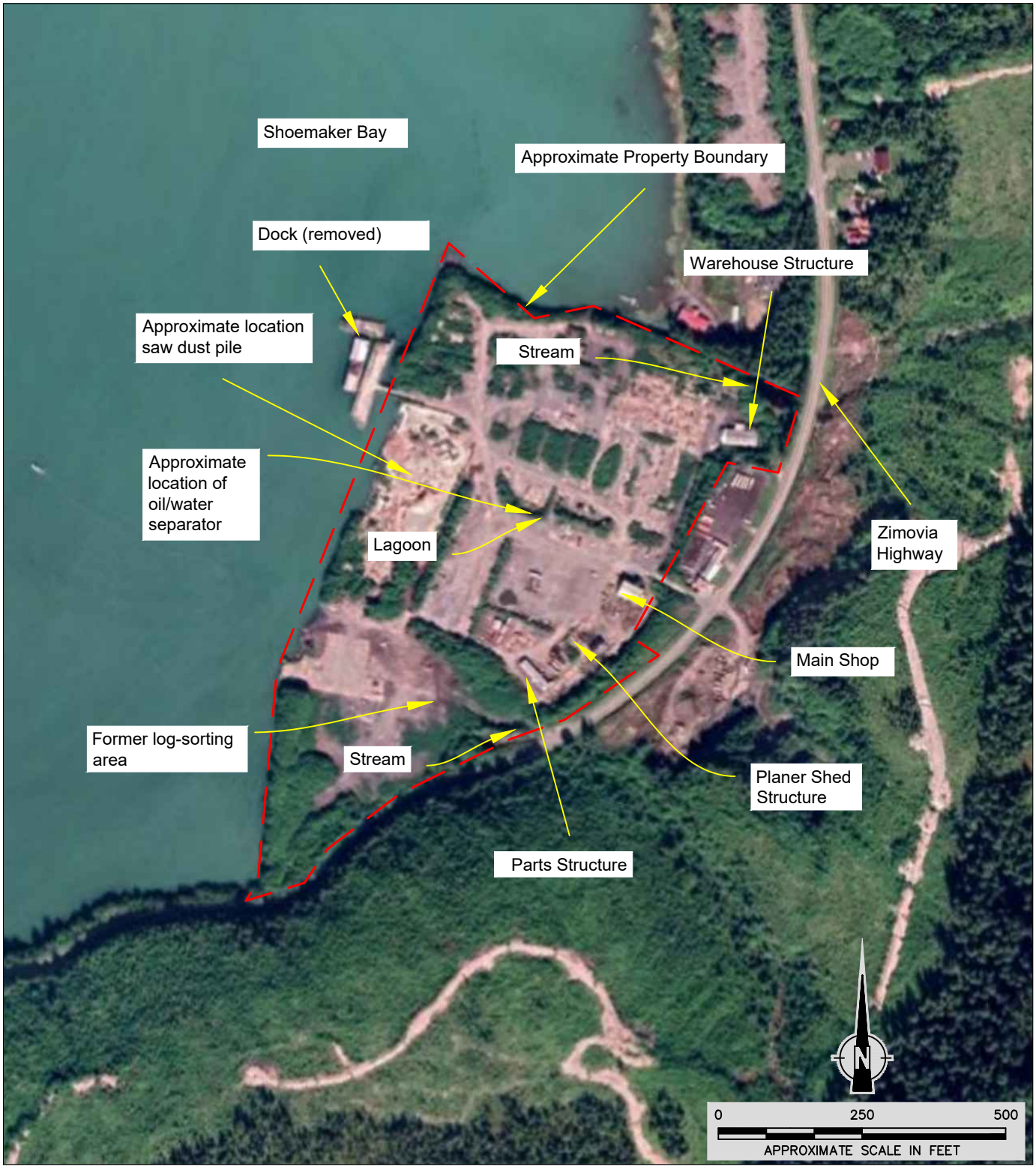
Wrangell Sawmill
Wrangell, Alaska

## VICINITY MAP

January 2023 110055-001

SHANNON & WILSON, INC.
Geotechnical and Environmental Consultants

**FIG. 1**




Map adapted from aerial imagery provided by GoogleEarthPro® , reproduced by permission granted by Google Earth Mapping Service. Aerial Imagery date: August 2017.

Wrangell Sawmill
Wrangell, Alaska

**SITE PLAN**

January 2023

110055-001

SHANNON & WILSON, INC.
Geotechnical and Environmental Consultants

**FIG. 2**

APPENDIX A: COPY OF SHANNON & WILSON PROPOSAL

Appendix A

# Copy of Shannon & Wilson Proposal

SHANNON & WILSON
GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS

September 7, 2022

Ms. Amber Al-Haddad
City and Borough of Wrangell
PO Box 531
Wrangell, AK 99929

RE: PROPOSAL TO CONDUCT A PHASE I ENVIRONMENTAL SITE ASSESSMENT, WRANGELL SAWMILL, WRANGELL, ALASKA; ADEC FILE NO. 1529.38.022

Dear Mr. Smith:

We are pleased to submit our proposal and estimated costs to conduct a Phase I Environmental Site Assessment (ESA) for the former Wrangell Sawmill, located at 7Mile Zimovia Highway in Wrangell, Alaska (Property).

The Property encompasses approximately 50 acres. The Property was most recently operated as a lumber mill from the mid-1950s to 2008. It is our understanding that buildings identified as the Main Shop Building, the Planer Shed, the Parts Building, the Axle Shed, and the Warehouse/Office building are present at the site. The Property is the Alaska Department of Environmental Conservation (ADEC) contaminated site designated "Wrangell Sawmill" (File No. 1529.38.022, Hazard ID. 25786) and is listed as "Cleanup Complete".

The purpose of this environmental assessment is to develop a professional opinion regarding the potential presence of recognized environmental conditions (RECs), as defined by ASTM International (ASTM) E 1527-21, with a goal of preparing a Phase II ESA to address any identified RECS during the Phase I ESA activities.

## SCOPE OF SERVICES

The Phase I ESA will consist of a records review, site reconnaissance, interviews with owners and/or occupants, contacting government agencies, and reporting. The Phase I ESA will be managed and conducted by environmental professionals, as defined by ASTM 1527-21.


5430 Fairbanks Street ■ Suite 3 ■ Anchorage, Alaska 99518-1263 ■ 907 561-2120 ■ Fax 206 695-6777
■ www.shannonwilson.com ■

## Records Review

The records review consists of two primary components – historical use information and agency databases. We will contract Environmental Risk Information Services (ERIS) to conduct a database review. The review will include state and federal databases, using the radii specified in ASTM 1527-21. Primary databases include the ADEC lists of registered underground storage tanks (USTs), leaking USTs, and contaminated sites; and federal databases pertaining to known Resource, Conservation, and Recovery Act (RCRA) and/or Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) sites. ERIS will also provide a review of historical aerial photographs and historical topographical maps. The ERIS report will be provided as an attachment to our Phase I ESA report.

The Alaska Department of Natural Resources (ADNR) Recorders Office website will also be reviewed by Shannon & Wilson to identify environmental liens associated with the parcel. Shannon & Wilson will also attempt to contact local utility companies for additional information about the Property.

According to the ADEC database, numerous work plans and reports have been prepared for the site. Our review will primarily focus on the most recently completed site reports from 2022, the ADEC's 2014 Cleanup Complete letter, and the 2022 Prospective Purchase Agreement letter. We will also interview the current ADEC project manager to discuss the regulatory status of the site.

## Site Reconnaissance

Following the records search, we will visit the Property and surrounding properties and conduct a visual assessment for indicators of potential environmental issues (i.e., underground or aboveground storage tanks, waste oil tanks, waste disposal drums, hazardous chemical storage, etc.). The site will be walked, photographed, and evaluated for potential concerns. A visual assessment of adjacent parcels will be conducted from vantage points within the Property boundaries and public rights-of-way.

The site visit will be conducted by an environmental scientist under the supervision of an environmental professional as defined by ASTM 1527-21. We assume that site access will be provided at the time of the site visit and our field representative will be accompanied by a representative of the Property owner. A site plan will be developed showing the approximate location of the observed potential environmental concerns. Observed chemicals or hazardous materials stored on the properties will be noted in the report. It is

noted that snow cover may limit the identification of environmental concerns on the exterior portions of the Property.

## Interviews and Additional Records Review

We will make reasonable efforts to interview the current owner of the Property, if locally available. Past uses and storage or disposal of petroleum hydrocarbon/hazardous substances on the Property will be discussed. A government agency will be contacted regarding sites that may comprise or contain recognized environmental condition(s). If transformers are observed at this site, we will contact the local electrical utility for information regarding the presence or absence of polychlorinated biphenyls (PCBs) in the utility-owned equipment.

We will review site physical data pertaining to hydrogeologic information, wetlands, endangered or protected flora/fauna, surface waters, on-site drinking water well locations, and subsurface geological and soil characterizations. The sources used will be referenced in the report along with the names of persons interviewed.

## Non-Scope Considerations

We will comment on additional relevant items and factors that could pose a Business Environmental Risk to these properties as discussed in ASTM 1527-21. However, an assessment of these non-scope considerations will not be performed. Additional relevant items and factors outlined in ASTM 1527-21 as non-scope considerations include: asbestos, indoor air quality, radon, lead in drinking water, and high-voltage power lines.

## Summary Report

A Phase I ESA report will be prepared that summarize the results of our research, interviews, and site reconnaissance; and will identify RECs, historical RECs, and other environmental conditions not classified as RECs. The report will also include a brief environmental setting, including predominant land use in the vicinity, distance to the nearest water bodies, wetlands and critical terrestrial environments (parks, wildlife refuges, sanctuaries, etc.). The report will be signed by the environmental professional managing the assessment. One pdf copy of the report will be provided.

## Optional Task – Work Plan Preparation

Shannon & Wilson will prepare a work plan to address RECs identified during the Phase I ESA activities. A draft version of the work plan will be submitted to City and Borough of Wrangell for review and comment. Following the receipt of comments, an updated version of the work plan will be prepared and submitted to ADEC for review and comment. Following the receipt of ADEC comments, the final work plan will be submitted for ADEC approval.

## EXCLUSIONS/LIMITATIONS

The report and opinions presented will be based solely upon the services described herein. This preliminary assessment does not include provisions to evaluate asbestos, lead-based paint, mold, or radon gas levels at the sites. Sampling and analysis of debris, soil, groundwater, air, and/or building materials are not included in the assessment. These tests can be provided under a more detailed scope of work or Phase II evaluation as requested.

## SCHEDULE

We are available to start work on this project immediately following authorization to proceed. Our final report can be provided within four weeks following authorization.

## ESTIMATED COSTS AND CONDITIONS FOR SERVICES

We are prepared to conduct the Phase I ESA and the Optional Task, if requested, on a time and materials basis in accordance with the attached summary cost estimate. These costs include work through submittal of our summary report.

It is assumed that the project will be conducted under a mutually agreed contract. We are also including the document "Important Information About Your Environmental Site Assessment Proposal" to help clarify the nature and extent of our service.

If you have questions or comments, or wish to revise the scope of our services, please call the undersigned at (907) 433-3223.

Sincerely,

SHANNON & WILSON

Dan P. McMahon, PMP
Vice President

Enc. Summary Cost Estimate
Important Information About Your Environmental Site Assessment/Evaluation Proposal

APPENDIX B: PHASE I ESA QUESTIONNAIRES

Appendix B

# Phase I Environmental Site Assessment User Questionnaire and Interview

**SHANNON & WILSON**
**PHASE I ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE**
**FOR SUBJECT PROPERTY**

The purpose of this Environmental Assessment is to acquire sufficient information to develop a professional opinion as to the presence of petroleum hydrocarbon/hazardous substances on or near the subject property that may affect this site. This questionnaire should be completed to the fullest extent possible during an interview with the owner or the owner's representative conducted by an environmental assessor.

Date of Visit: _____ Interviewer (if applicable): _____

Project Name/Project Number: _____

Legal Description/Site Address: _____

City: Wrangell State Alaska Zip 99929

Property Owner(s): City and Borough of Wrangell

Owner Representative(s) Interviewed: Borough staff, Carol Rushmore & Amber Al-Haddad

Length of Time Familiar with Site: One month, indirect familiarity

Phone: 907-874-2381 (Carol) / 907-874-3902 (Amber)

Previous Ownership:
Please provide the following information regarding the history of *past* ownership of the property.

| Owner | Dates From - To | Type of Business |
|---|---|---|
| 1. DB AK Enterprises (Dick and Betty Buhler) | 2014 – 2022 | After sawmill cleanup, vacant land |
| 2. Silver Bay Logging (Dick and Betty Buhler | 1998 – 2014 | Sawmill |
| 3. Alaska – Wrangell Company | 1980s – 1998 | Sawmill |
| 4. Alaska Pacific Lumber | ? – 1971 | Sawmill |
| 5. | | |
| 6. | | |

Please answer the following questions to the best of your knowledge. Circle the best answer and provide additional information if known.

1) Have you ever had an environmental audit or assessment completed on any of your businesses or properties?

Yes: An environmental assessment was performed in association with the cleanup by Silver Bay Logging. The DEC cleanup review and closure with institutional controls can be made available. In 2016 the Borough, performed a feasibility study for realty due diligence. The work was performed by Maul, Foster, Alongi. A real estate analysis can be provided.

2) Did any other structures exist on this property before the present structures were built?

don't know: To our knowledge, various structures were on the property, constructed in various stages over time. Many of those structures have been removed under prior ownership. There are structures that remain today.

3) Are there any as-built plans of the subject property?

no: We were not provided as builts from the prior owner

4) Are any of the existing structures on the property built prior to 1978?

don't know: Probably, but we do not know for certain the dates of construction

5) Is there asbestos in buildings located on the property?

don't know: Unknown

6) Is there any evidence that the properties have seen previous commercial or industrial activities?

Yes: Primarily sawmill industry

7) Does this property have its own water well?

don't know: Not aware of a water well on the site. There is a surface water tank on the hillside across the street. It was either fed from the pond below or from a creek above the tank.

8) Does this property have a septic system and leach field?

Yes: Refer to the condition assessme

9) Does this property have natural gas?

No: don't know

10) Prior to having natural gas, did this property use an above ground storage tank or an underground storage tank to store heating fuel? If not, what heat source was used before natural gas was available?

Yes: There were oil tanks. Refer to the condition assessment for any further possible information.

11) Does the site contain above ground or buried fuel or chemical storage tanks? If yes, list which authorities the tanks were registered with, the tank capacities, the age of the tanks, the tank contents, and whether any problems such as vapors or soil contamination have been encountered.

Yes no don't know

Registered with: EPA ADEC Other

Capacity of Tanks_____gallons; Tank contains_____

Age of tank is_____years;

Any problems?_____

12) Have there been any excavations on the property?

Yes: at least during the cleanup, likely others during earlier construction and subsequent demolition.

If yes, explain:_____

13) Has off-site fill ever been deposited on the site?

Yes: They used the rock pit across the highway, as well as using wood waste fill on site. The condition assessment may allude to where wood waste fill was likely used based on the terrain. Some of the property was tidelands and was filled.

If yes, explain:_____

14) Have any areas of the site been treated with petroleum products or other chemicals for dust control?

Yes no don't know: Unknown

If yes, areas treated:_____

15) Does the site contain any 55 gallon drums or other containers?

Yes no don't know: Unknown

Contents of drums:_____

16) Is there any cause to believe that any operation or equipment on or around the facility has been the cause of a spill or release of hazardous waste? Is there any evidence of a hazardous substance release such as stained ground areas, drums, transformers, trash, general disrepair, chemicals, areas where plants refuse to grow, or other indications of hazardous substance contamination?

Yes no don't know: Unknown

If yes, nature?_____

17) Has the property been used at any time to your knowledge for the treatment, storage or disposal of hazardous substances or for illegal dumping?

Yes no don't know: Unknown

18) Have any unusual conditions such as containerized wastes, surface staining, filling activities, etc., ever been observed on surrounding properties?

Yes no don't know: Unknown

19) Do railroad facilities cross or border the site?

Yes no don't know

20) Have there been any industrial accidents in the vicinity?

Yes no don't know

21) Are any creeks or other drainage ways located on or around the site?

Yes: Both sides of the property no don't know

22) Do you use or have you used Polychlorinated Biphenyls (PCBs) in any activities, or are there any PCBs located on the properties in question? (PCBs are commonly found in electrical transformers, fluorescent light fixtures, and in used oils from electrical components).

don't know: There were transformers stored on the ground at one point. They were removed. It is unknown as to when and where.

23) Are you aware of any activities on this property or any surrounding properties (including the present or proposed uses) which indicate potential environmental risk?

Yes: A sawmill operation

24) Within a quarter mile radius of this property, do any of the following exist?

a) A current or former landfill?

Yes no don't know

b) Any property suspected of hazardous substance contamination?

Yes no don't know

c) Any waste discharges to surface water?

Yes no don't know

25) Indicate if any of the following uses, stores, transports, generates or disposes of any hazardous substance.

a) Property owner's business?

Yes no don't know

b) All related businesses?

Yes no don't know

c) All tenant's businesses?

Yes no don't know

d) Neighboring properties?

Yes no don't know

26) Have you or any previous owner ever been issued a hazardous waste generator's identification number for the property or have a permit for treatment, storage or disposal of hazardous materials?

Yes no don't know

27) Please state all licenses and permits which you, your business, or any tenant possesses or is required to have for treatment, storage or disposal of hazardous materials or relating to environmental law matters, including any pending applications?

Licenses: The Borough has not; Previous sawmill owners may have based on regulations related to their industry (?).

28) Are you or any of your property currently, ever have been, or are anticipated to be, the subject of a letter of non-compliance, administrative, legal enforcement, or any other action or actions by any federal, state, or local government agency relating to environmental laws, permits, orders, or other requirements?

Yes no don't know

If yes, please describe:_____

# User Responsibilities and Questionnaire

## For Phase I Environmental Site Assessment (ESA)

ASTM Practice E1527-13 (Phase I ASTM Standard) and the All Appropriate Inquiry Rule at 40 Code of Federal Regulations Part 312 impose upon the User of the Phase I ESA the responsibility for performing certain tasks and providing certain information to the environmental professional to help identify the possibility of recognized environmental conditions in connection with the subject property. The "User" is any party who would rely on this Phase I ESA or any party seeking to use this Phase I ESA to be potentially eligible for the Landowner Liability Protections (LLPs) under the federal Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). A User may include, without limitation, a potential purchaser or tenant of the subject property, lender, or property manager.

For your action below is a questionnaire that is designed to provide you with a concise list of the tasks and information that you, and any other User, must perform and/or provide to us in connection with this Phase I ESA. We ask that the User complete this questionnaire and return it to us as soon as possible so that the information may be timely considered by us as we assess the subject property. Make additional copies of this form for any additional User.

It is important to understand that the failure to perform the user-required tasks and provide the information in the questionnaire may be identified as a "data gap" in our report and could jeopardize our ability to form an opinion about whether recognized environmental conditions exist at the subject property. Failure to complete questions 1 through 5 could also jeopardize the User's ability to meet the threshold "all appropriate inquiry" requirement for establishing the innocent purchaser, contiguous property owner, or bona fide prospective purchaser defenses to liability (collectively, LLPs) under CERCLA.

User completing this questionnaire: City and Borough of Wrangell

User type (purchaser, tenant, lender): New Owner

Subject property (address, parcel): 6.1 Zimovia Highway; Parcel Numbers:

| Parcel Number | Plat No. | Lot No. | Survey Name |
|---|---|---|---|
| 03-010-135 | 2015-13 | 9B | Mitchell-Buhler Replat |
| 03-010-220 | | 4 | USS 3534 |
| 03-011-152 | | 7 | USS 3534 |
| 03-010-129 | 2015-13 | 6B | Mitchell-Buhler Replat |
| 03-010-218 | | 5 | USS 3534 |
| 03-010-214 | | PSS | USS 3534 |

| | | |
|---|---|---|
| | | USS 3000 |
| 03-011-100 | | |
| 03-011-150 | 6 | USS 3534 |
| 03-010-999 | 20 | USS 2589 |
| 03-010-212 | 11 | USS 2589 |
| 03-010-216 | 10 | USS 2589 |

Tideland Leases with fill material

| | |
|---|---|
| 03-011-200 | ATS 1249 |
| 03-010-300 | ATS 1143 |

## 1 Environmental Liens and Activity and Use Limitations (AULs) that are Filed or Recorded Against the Subject Property

A search for environmental liens and AULs that are filed or recorded against the subject property is required but is not the responsibility of the environmental professional, unless specified in the authorized scope of services.

If the authorized scope of services does not include a search of land title records and judicial records for environmental liens and AULs, then you should engage a title company or other title professional to perform this task.

Environmental liens and AULs are legal restrictions that can be found within recorded land title records (or judicial records in some jurisdictions). The types of land title records that may disclose environmental liens and AULs include Preliminary Title Reports, Title Commitments, Condition of Title, and Title Abstracts. Chain of Title reports will not normally disclose environmental liens and AULs. Judicial records must be searched for environmental liens and AULs in jurisdictions where they are only recorded or filed in judicial records. Please provide Shannon & Wilson with copies of surveys, chain of title, and any other relevant records obtained by your review.

1.1 Are there any environmental liens against the subject property that are filed or recorded under federal, tribal, state, or local law? If yes, please describe.

☐ Yes ☐ No

No, not that we are aware of, with the exception of the ADEC cleanup with institutional controls, a copy of which has been made available.

1.2 Are there any AULs, such as institutional controls (such as land use restrictions) or engineering controls (such as cap or engineered barriers) that are in place at the subject property and/or have been filed or recorded in land records or a registry under federal, tribal, state, or local law? If yes, please describe.

☐ Yes ☐ No

Yes, we are aware only of the ADEC cleanup with institutional controls, a copy of which has been made available.

## 2 Specialized Knowledge or Experience

2.1 Do you have any specialized knowledge or experience in connection with the subject property or nearby properties relevant to environmental matters? For example, are you involved in the same line of business as the current or former occupants of the subject property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business? If you do have such knowledge or experience, please describe.

☐ Yes ☐ No
No, this is unknown to the current owner.

## 3 Relationship of the Purchase Price to the Fair Market Value of the Subject Property if it Were Not Contaminated

3.1 If the transaction at issue involves the purchase or lease of the subject property, does the proposed purchase or lease price reasonably reflect the fair market value of the subject property if it were not contaminated?

☐ Yes ☐ No ☐ NA
Yes.

3.2 If you conclude that the purchase price is less than the fair market value, have you considered whether the lower purchase price is because contamination is known or believed to be present at the subject property?

☐ Yes ☐ No ☐ NA
N/A

3.3 After such consideration, do you have reason to believe that the lower price is because of real or perceived contamination at the subject property?

☐ Yes ☐ No ☐ NA
N/A

## 4 Commonly Known or Reasonably Ascertainable Information about the Subject Property

Are you aware of commonly known or reasonably ascertainable information about the subject property or vicinity that would help the environmental professional to identify

conditions indicative of releases or threatened releases? For example:

4.1 Do you have information about the past uses of the subject property or adjoining property? If yes, please describe.

☐ Yes ☐ No
We only know that the activities were related to the operations of a saw mill; however, details of these operations are unknown.

4.2 Do you have information about specific chemicals that are present or were previously present at the subject property? If yes, please describe.

☐ Yes ☐ No
No

4.3 Do you know of any spills or other releases of petroleum products, oil, chemicals, solvents, or other hazardous materials at the subject property or adjoining property? If yes, please describe and/or attach copies of relevant documents/reports.

☐ Yes ☐ No
No

4.4 Do you know of any environmental cleanups or investigations that have taken place at the subject property or adjoining property? If yes, please describe and/or attach copies of relevant documents/reports.

☐ Yes ☐ No
Yes, refer to 2014 ADEC cleanup and closure report.

## 5 The Degree of Obviousness of the Presence or Likely Presence of Contamination at the Subject Property, and the Ability to Detect the Contamination by Appropriate Investigation

5.1 Based on your knowledge and experience related to the subject property or the vicinity, are you aware of any obvious indicators that point to the presence or likely presence of contamination or releases at the subject property? If yes, please describe.

☐ Yes ☐ No

Yes, only what is reported in the ADEC cleanup and closure report, a copy of which has been made available.

## 6 Purpose for this Phase I Environmental Site Assessment (ESA)

6.1 Is the purpose for this Phase I ESA to potentially qualify for the LLPs under CERCLA? If not, what is the purpose for this Phase I ESA?

☐ Yes ☐ No
No. The purpose is to comply with the terms of the Prospective Purchasers Agreement between the CBW and the State of Alaska, ADEC, a copy of which has been made available.

## 7 Reliance Letters for Third Parties

7.1 Do you need to obtain a third-party reliance letter? If yes, please describe.

☐ Yes ☐ No
No.

## 8 Documents for Our Use

Although you are not required to obtain any of the following documents, please provide us with copies of any of the following documents that you may already have in your possession or could easily obtain for our use.

- Survey showing the boundary of the subject property. *We have provided draft plat that reflects subject property boundaries.*
- Previous ESA reports or investigations (e.g., Phase I and/or Phase II reports). *We have provided the 2014 ADEC cleanup and closure report.*
- Environmental compliance audit reports. *N/A*
- Environmental permits (air, wastewater, stormwater, etc.). *N/A*
- Underground and aboveground storage tank registrations. *N/A*
- Tank removal or investigation reports. *We have provided the 2022 Peak Engineering condition assessment report as an investigations report.*
- Governmental notices relating to alleged violation of environmental law. *N/A*

APPENDIX C: PHOTOGRAPHS

Appendix C

# Property Photographs

**Photo 1: Looking east at debris, including drums and storage tanks, south of the main shop structure.**

**Photo 2: Looking south at storage tanks north of the planer shed structure.**

**Photo 3: Looking east at a storage tank south of the paint structure.**

**Photo 4: Looking north at storage tanks and drums located at the former log-sorting area.**

**Photo 5: Looking south at propane tanks observed north of the warehouse structure.**

**Photo 6: Tanks observed in the chlorine shed, east of the warehouse structure.**

**Photo 7: Looking northeast at a truck-mounted AST**

**Photo 8: Looking south at a lagoon and the oil/water separator located near the central portion of the Property.**

**Photo 9: Looking south at an excavator and staining, located near the central portion of the Property**

**Photo 10: Looking west at connexes located west of the main shop structure.**

**Photo 11: Looking inside a connex (typical condition of the connexes and trailers observed on the Property).**

**Photo 12: Debris pile observed on the southern portion of the Property, located at the former log-sorting area.**

**Photo 13: Drums observed on the southern portion of the Property, located at the former log-sorting area.**

**Photo 14: A sheen observed on the southern portion of the Property, located at the former log-sorting area.**

**Photo 15: Looking east at a sawdust pile, located near the west central portion of the Property**

**Photo 16: Wooden piling from the former dock, observed along the western portion of the Property.**

**Photo 17: Looking east at a septic tank located east of the paint structure**

**Photo 18: Looking inside the eastern shed of the main shop, lead acid batteries were observed.**

**Photo 19: Looking at various containers and staining inside the main shop structure.**

**Photo 20: Looking at containers of used oil observed inside the main shop structure.**

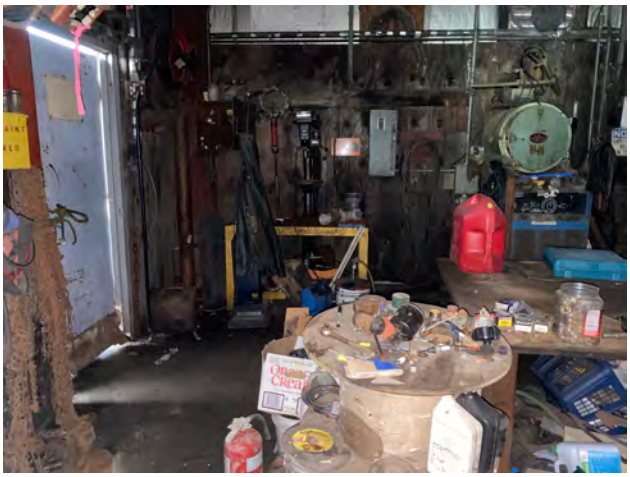


**Photo 21: Looking at the typical condition observed inside the main shop structure.**

**Photo 22: Looking at containers inside the flammable storage cabinets, located in the mezzanine of the main shop structure.**

**Photo 23: Looking at leaking containers inside a flammable storage cabinet on the mezzanine of the main shop structure.**

**Photo 24: Looking south at the planer shed structure.**

**Photo 25: An IBC partially filled with liquid, observed inside the planer shed structure.**

**Photo 26: Looking at leaking containers observed inside the planer shed structure.**

**Photo 27: Looking inside the paint structure, located on the Property.**

**Photo 28: Looking inside the warehouse structure**

**Photo 29: Looking at an abandoned office, located in the western portion of the warehouse structure.**

APPENDIX D: SITE RECONNAISSANCE SUMMARY

Appendix D

# Site Reconnaissance Summary

APPENDIX D: SITE RECONNAISSANCE

Appendix D

# Site Reconnaissance

## CONTENTS

APPENDIX D: SITE RECONNAISSANCE

APPENDIX D: SITE RECONNAISSANCE

## D.1 OBJECTIVE

The purpose of the site reconnaissance is to collect information and make observations to help identify recognized environmental conditions in connection with the subject property.

Shannon & Wilson's field representative Chris Pepe, accompanied by Mr. Dave Bryner lead mechanic for CBW, performed the Phase I ESA site reconnaissance on October 12, 2022. Mr. Dave Bryner worked at the Property first in 1984 with the Alaska Pulp Corporation and also with Silver Bay Logging in the 2000s. The reconnaissance methodology comprised the following:

- entering the structures on the Property;
- traversing the property by foot and vehicle; and
- documenting observations using photographs and field notes.

## D.2 GENERAL SITE CHARACTERISTICS

A former sawmill occupied the Property as early as the 1950s until approximately 2008. The majority of structures from the former sawmill operations have been removed from the Property. Currently, structures associated with the former sawmill, including the former main shop, a planer shed structure, a parts structure, and a warehouse structure are present on the Property. The majority of the site is currently unoccupied with the exception of a former log-sorting area located on the southern portion of the Property which is occupied by W.R. Tonsgard Channel Construction Inc (Tonsgard), a salvage company based in Juneau, Alaska. Residential structures and the Zimovia Highway are located east and north of the Property, Shoemaker Bay is west of the Property, and Shoemaker Bay and the Zimovia Highway are located south of the Property. Further east, beyond Zimovia Highway, are additional residential structures.

## D.3 SUBJECT PROPERTY EXTERIOR

Vegetation compromising of alders, willows, and tall grasses covers much of the Property. Numerous abandoned vehicles, semi-trailers, 55-gallons drums, intermediate bulk containers (IBC), 5-gallon buckets and fuel containers, tires, scrap metal, propane tanks, and fuel storage tanks were observed throughout the Property. The majority of these items were observed in the vicinity of the main shop structure, planer shed structure, parts structure, the warehouse structure, and the former log-sorting area. The majority of the fuel storage tanks appeared to have been moved and their original locations are unknown. The

following are approximate locations and estimated number of storage tanks observed during the site visit:

- Approximately a half dozen storage tanks, varying in size from approximately 100-gallons to 1,000-gallons, located south of the main shop structure (Photo 1).
- An approximately 500-gallon storage tank and an approximately 200-gallon storage tank located north of the planer shed structure (Photo 2).
- An approximately 5,000-gallon storage tank located south of the paint structure (Photo 3).
- Approximately two dozen storage tanks (55-gallons to 500-gallons) located in in the former log-sorting area (Photo 4).
- Approximately four propane tanks (500-gallons) located north of the warehouse structure (Photo 5).
- Two storage tanks (approximately 250-gallons) located inside the chlorine shed, east of the warehouse structure (Photo 6).
- An approximately 1,000-gallon truck-mounted aboveground storage tank (AST) was observed southwest of the oil/water separator (Photo 7).

Multiple burn barrels were observed along the exterior of the main shop structure and the planer shed structure.

An oil/water separator was observed near the central portion of the Property (Photo 8). Vegetation covered the oil/water separator which prevented a direct observation. According to the Peak report (See Section 2.8), the oil/water separator, through a series of drains, collects flows from the majority of the property in a lagoon, east of the oil/water separator. The water in the lagoon is processed through the oil/water separator before traveling through an outfall pipe that discharges to Shoemaker Bay.

An excavator with a hydraulic tree delimber was observed to the south of the truck-mounted AST. Staining on concrete was observed in the vicinity of the excavator (Photo 9).

Connexes, semi-trailers, and vehicles were observed west of the main shop and planer shed structures (Photo 10). Storage of miscellaneous items from the former sawmill operations were being stored in the connexes and semi-trailers (Photo 11).

The former log-sorting area located on the southern portion of the Property is occupied by Tonsgard. According to Mr. Bryner, Tonsgard stores scrap metal and vehicles at the Property to be loaded on a barge and transported off-site for disposal. Various sizes of fuel storage tanks, 55-gallons drums, 5-gallon fuel containers, IBCs, scrap metal, tires, are stored in multiple piles in this area (Photos 12 and 13). According to Tonsgard (interviewed by Ms. Al-Haddad), their "staff confirmed that they had removed all fuel residual from any tanks before moving them to the former mill site". However, a hydrocarbon sheen was observed at the base of one of the scrap metal piles (Photo 14). A source of the sheen could not be identified. Mr. Bryner also noted that during his time of employment at the Property, he observed scraps of metal and trash being buried in the former log-sorting area, however he could not recall an exact location. A pole-mounted transformer was observed in the former log-sort area east of the scrap metal piles.

A sawdust pile was observed near the west-central portion of the Property (Photo 15). To the north of the sawdust pile were approximately 24 former wood pilings from a former dock (Photo 16). A sheen and a creosote odor was observed on the majority of the wood pilings which were being stored on the Property's ground surface. To the north of the wooden piling was a connex building which contained wood and metal debris.

The concrete foundations for former structures on the Property were observed throughout the Property in the vicinities of the former log barker, sawmill, and fuel depot.

A septic tank was observed east of the paint structure on the Property (Photo 17).

## D.4 SUBJECT PROPERTY INTERIOR

### D.4.1 Main Shop and Sheds

Two sheds were observed next to the northern and eastern exterior walls of the main shop structure. The eastern shed appeared to be a former water system for the main shop. Lead acid batteries, trash, and debris were observed inside the eastern shed (Photo 18). Empty containers ranging in sizes of 1 to 5-gallons, with unknown products, were observed inside the northern shed.

Staining was observed throughout the floor of the main shop structure. Equipment, and numerous 55-gallon drums, miscellaneous and various sized containers (1 to 5-gallons) of paints, paint thinners, engine oil, used oil, fuel, anti-freeze, and glues were observed throughout the structure (Photos 19 through 21). Some of these containers were not labeled or had labels that were faded, and the exact contents could not be verified at the time of the site visit. An oil burner was observed in the southwestern portion of the structure. Open

containers of what appeared to be used oil were observed on the floor of the structure. Multiple lead acid batteries were also observed inside the main shop structure. An electric overhead crane was observed near the southwestern portion of the structure. A generator is currently being stored by the CBW near the center of the structure at the time of the site visit. A mezzanine was located along the eastern portion of the structure which contained three flammable storage cabinets. Various sized containers of paints, paint thinners, engine oil, fuel, and glues were observed in the flammable cabinets (Photos 22 and 23). Leaking containers were observed inside all three the flammable cabinets.

### D.4.2 Planer Shed Structure

Approximately a dozen 275-gallon IBCs were observed inside and immediately outside of the planer shed structure (Photo 24). The majority of the IBCs were empty, however what appeared to be oil (approximately 100-gallons) was observed in two of the IBCs (Photo 25). An empty AST and multiple drums were observed inside and immediately outside of the planer shed structure. Empty and partially filled 5-gallons buckets of paints, fuel, oil, and grease were observed on the floor of the planer shed structure. Additionally, light fixtures/ballasts, empty 55-gallons drums, 1 to 5-gallon fuel containers were observed inside the planer shed structure. Staining was observed on the concrete floor of the structure (Photo 26). Cracks were observed on the visible portions of the concrete floor.

### D.4.3 Parts Structure

Debris and trash covered the majority of the floor in the parts structure. Fittings for pipes, machine belts, radio equipment were observed inside the parts structure. Multiple 55-gallon drums being used for the storage of items (fittings and trash) were observed in the structure (Photo 27).

### D.4.4 Warehouse Structure and Sheds

The warehouse structure consisted of a large open bay with a mezzanine along the eastern portion of the structure (Photo 28) and former offices located in the western portion of the structure (Photo 29). Trash, debris, and office furniture were observed throughout the structure. A restroom was observed near the offices.

A shed with a sign "Caution Chlorine Area" was observed west of the warehouse structure. A piping system and empty tanks were observed inside the shed. This shed was most likely used to treat the water at the Property. According to Mr. Bryner the municipality water services were installed to the Property around 1998 to the early 2000s by Silver Bay's employees by tying into a CBW main water line near the Zimovia Highway.

South of the chlorine shed was a shed that contains a pump/hydrant and fire suppression systems.

## D.5 CURRENT USE OF THE PROPERTY

The majority of the site is currently unoccupied with the exception of the former log-sorting area located at the southern portion of the Property which is occupied by Tonsgard, a salvage company based in Juneau, Alaska. The site contains numerous amounts of debris, trailers, piles of scrap metal, former storage tanks and IBCs from the former operations of the sawmill.

## D.6 PAST USES OF THE PROPERTY

See Sections 2.6 and 2.7

## D.7 CURRENT USES OF ADJOINING PROPERTIES

The Property is bound by Shoemaker Bay to the west, the Zimovia Highway and residential properties to the east and south, and residential properties to the north. Further east, beyond the Zimovia Highway are additional residential structures.

## D.8 PAST USES OF ADJOINING PROPERTIES

Past uses of the adjacent properties are presumed to be similar to current uses, however the current residential structures located at the northwestern border of the Property were formerly occupied by sawmill activities.

## D.9 GEOLOGIC, HYDROGEOLOGIC, HYDROLOGIC AND TOPOGRAPHIC CONDITIONS

See Section 4.2

## D.10 PROPERTY FEATURES

### D.10.1 Potable Water Supply/Source

According to the CBW, the subject Property does not have a water well but is currently connected to the CBW water services (See Section D.4.4).

### D.10.2 Sewage Disposal System

See Section 2.8 for septic tank information.

### D.10.3 Storage Tanks

See Section D.3

### D.10.4 Strong Pungent Odors

Our field representative did observe the presence of strong, pungent odors in the interior of the main shop structure (See Section D.4.1) and next to the creosote treated wood piles (See Section D.3) for the former dock (north of the sawdust pile).

### D.10.5 Standing Surface Water, Pools, or Sumps

Our field representatives observed standing water west of the planer shed structure and a lagoon adjacent to the east of the oil/water separator. Additionally, standing water was observed throughout the Property, attributed to recent precipitation in area.

### D.10.6 Drums, Totes, IBCs

Numerous drums and IBCs were observed scattered throughout the Property during the site reconnaissance (see Sections D.4 and D.5). Many of these drums and IBCs were not labeled, some still contained unknown products.

### D.10.7Asbestos-Containing Materials and Lead-based Paint

Based on a construction date of the on-site structures on the Property, there is a potential for asbestos-containing materials (ACM) and lead-based paint to be present in the structures. Shannon & Wilson did not conduct tests to determine whether ACMs and/or lead based paint are present within the structures.

### D.10.8 Hazardous Substance Containers Not Associated with Current Users

The hazardous containers observed on the Property appeared associated with previous sawmill activities on the Property except in the former log-sorting area at the southern portion of the Property. This area is occupied by Tonsgard, a salvage company, that stores scrap metal such a storage tanks. Tonsgard transports and stores the scrap metal and storage tanks at the Property, before loading them on a barge for disposal off-site.

### D.10.9 Unidentified Substance Containers

Numerous IBC, drums, and 1 to 5-gallons containers of unidentifiable substances were observed throughout the Property. Many of these containers were either not labeled or had labels that were faded and unreadable (See Sections D.4 and D.5).

### D.10.10 PCB Containing Items

An electrical pole-transformer was observed on a power pole in the former log-sorting area, at the southern portion of the Property. Additionally, according to Ms. Rushmore and Ms. Al-Haddad (See Section 2.6), the Property once utilized transformers, however, the transformers were removed and details on when and original locations are unknown. Transformers are significant because of the possible presence of polychlorinated biphenyls (PCBs). No evidence of releases from the transformer was observed during the site visit. It is important to note that the electrical utility is responsible for releases from their transformers or equipment.

### D.10.11 HVAC

Based on information provided by the property owner and the site visit, the current and demolished structures were presumably heated with oil-fired heating systems. Our field representatives did not observe other indications of heating, ventilation, and air conditioning (HVAC) systems.

### D.10.12 Stains or Corrosion on Floors, Wall, or Ceilings

Numerous staining and corrosion were observed on the interiors of the main shop (See Section D.4.1) and the planer shed structure (See Section D.4.2) on the Property. Additionally, staining was observed next to an excavator near the central portion of the Property (See Section D.3). A hydrocarbon sheen was observed next to a scrap metal pile at the former log-sorting area occupied by Tonsgard (See Section D.3).

### D.10.13 Drains and Sumps

An oil/water separator at the center of the Property collects surface run-off water which is processed through the oil/water separator and released into Shoemaker Bay.

### D.10.14 Pits, Ponds, Lagoons

A lagoon was observed adjacent east of the oil/water separator.

### D.10.15 Stained Soil or Pavement

Numerous stains were observed on pavement, soil, and concrete floors throughout the Property (See Sections D.4 and D.5).

### D.10.16 Stressed Vegetation

None observed.

### D.10.17 Solid Waste

- Remnants from numerous former structures and trailer/connexes were observed throughout the Property.
- Currently the southern portion of the Property is being used as storage for a salvage company (See Section D.4)
- Miscellaneous debris and trash were observed scattered throughout the site. This included vehicles, trailers, storage tanks, 55-gallon drums, 1 to 5-gallon buckets, IBCs, scrap metal, and the like.
- Several pieces of former sawmill operations equipment and other machinery are present throughout the Property.
- Reportedly (See Section D.3), debris has been buried on the Property near the southern portion of the Property.

### D.10.18 Wells

None observed.

### D.10.19 Septic System or Cesspools

See Section D.10.2

APPENDIX E: ERIS AERIAL IMAGERY

Appendix E

# ERIS Aerial Imagery

# HISTORICAL AERIALS

**Project Property:** Wrangell Mill
Wrangell Mill
Wrangell AK

**Project No:** 110055-001

**Requested By:** Shannon & Wilson, Inc.

**Order No:** 22093000437

**Date Completed:** October 03,2022



**Environmental Risk Information Services**
*A division of Glacier Media Inc.*
1.866.517.5204 | info@erisinfo.com | erisinfo.com

| Date | Source | Scale | Comments |
|---|---|---|---|
| 1982 | United States Geological Survey | 1" = 300' | |
| 1979 | National Aeronautics And Space Admin | 1" = 300' | Best Copy Available |
| 1965 | Bureau of Land Management | 1" = 300' | |
| 1948 | United States Navy | 1" = 300' | Best Copy Available |


Year: 1982
Source: USGS
Scale: 1" = 300'
Comment:

Address: Wrangell Mill, Wrangell, AK
Approx Center: -132.34062318,56.39598231

Order No: 22093000437

ERIS


Year: 1979
Source: NASA
Scale: 1" = 300'
Comment: Best Copy Available

Address: Wrangell Mill, Wrangell, AK
Approx Center: -132.34062318,56.39598231

Order No: 22093000437

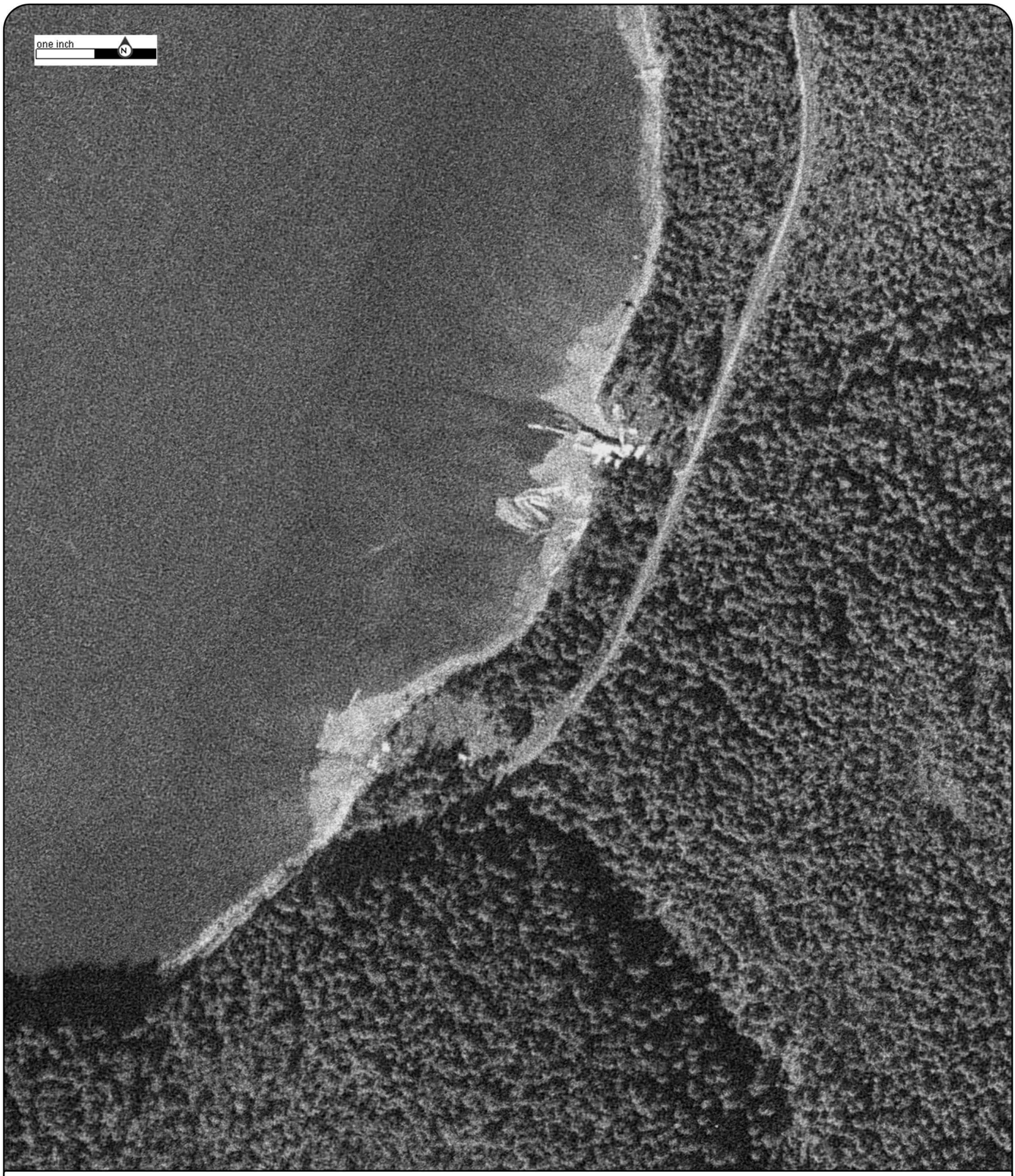
ERIS


Year: 1965
Source: BLM
Scale: 1" = 300'
Comment:

Address: Wrangell Mill, Wrangell, AK
Approx Center: -132.34062318,56.39598231

Order No: 22093000437

ERIS




Year: 1948
Source: USN
Scale: 1" = 300'
Comment: Best Copy Available

Address: Wrangell Mill, Wrangell, AK
Approx Center: -132.34062318,56.39598231

Order No: 22093000437

ERIS

APPENDIX F: ERIS SUMMARY REPORTS

Appendix F

# ERIS Summary Reports

# DATABASE REPORT

| | |
|---|---|
| **Project Property:** | *Wrangell Mill*<br>*Wrangell Mill*<br>*Wrangell AK* |
| **Project No:** | *110055-001* |
| **Report Type:** | *Database Report* |
| **Order No:** | *22093000437* |
| **Requested by:** | *Shannon & Wilson, Inc.* |
| **Date Completed:** | *October 3, 2022* |

**Environmental Risk Information Services**
*A division of Glacier Media Inc.*
1.866.517.5204 | info@erisinfo.com | erisinfo.com

# Table of Contents

# Executive Summary

***Property Information:***

| | |
|---|---|
| **Project Property:** | *Wrangell Mill*<br>*Wrangell Mill  Wrangell AK* |
| **Project No:** | *110055-001* |

**Coordinates:**

| | |
|---|---|
| **Latitude:** | *56.39598231* |
| **Longitude:** | *-132.34062318* |
| **UTM Northing:** | *6,253,326.30* |
| **UTM Easting:** | *664,136.84* |
| **UTM Zone:** | *UTM Zone 08V* |

**Elevation:** *1 FT*

***Order Information:***

| | |
|---|---|
| **Order No:** | *22093000437* |
| **Date Requested:** | *September 30, 2022* |
| **Requested by:** | *Shannon & Wilson, Inc.* |
| **Report Type:** | *Database Report* |

***Historicals/Products:***

| | |
|---|---|
| **Aerial Photographs** | *Historical Aerials (with Project Boundaries)* |
| **City Directory Search** | *CD - 2 Street Search* |
| **ERIS Xplorer** | *ERIS Xplorer* |
| **Excel Add-On** | *Excel Add-On* |
| **Fire Insurance Maps** | *US Fire Insurance Maps* |
| **Physical Setting Report (PSR)** | *Physical Setting Report (PSR)* |
| **Topographic Map** | *Topographic Maps* |

# Executive Summary: Report Summary

| Database | Searched | Search Radius | Project Property | Within 0.12mi | 0.125mi to 0.25mi | 0.25mi to 0.50mi | 0.50mi to 1.00mi | Total |
|---|---|---|---|---|---|---|---|---|
| **Standard Environmental Records** | | | | | | | | |
| **Federal** | | | | | | | | |
| DOE FUSRAP | Y | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| NPL | Y | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| PROPOSED NPL | Y | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| DELETED NPL | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| SEMS | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| SEMS ARCHIVE | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| ODI | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| IODI | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| CERCLIS | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| CERCLIS NFRAP | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| CERCLIS LIENS | Y | PO | 0 | - | - | - | - | 0 |
| RCRA CORRACTS | Y | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| RCRA TSD | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| RCRA LQG | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| RCRA SQG | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| RCRA VSQG | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| RCRA NON GEN | Y | 0.25 | 0 | **1** | 0 | - | - | **1** |
| RCRA CONTROLS | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| FED ENG | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| FED INST | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| LUCIS | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| NPL IC | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| ERNS 1982 TO 1986 | Y | PO | 0 | - | - | - | - | 0 |
| ERNS 1987 TO 1989 | Y | PO | 0 | - | - | - | - | 0 |
| ERNS | Y | PO | 0 | - | - | - | - | 0 |
| FED BROWNFIELDS | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| FEMA UST | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |

| Database | Searched | Search Radius | Project Property | Within 0.12mi | 0.125mi to 0.25mi | 0.25mi to 0.50mi | 0.50mi to 1.00mi | Total |
|---|---|---|---|---|---|---|---|---|
| FRP | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| DELISTED FRP | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| HIST GAS STATIONS | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| REFN | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| BULK TERMINAL | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| SEMS LIEN | Y | PO | 0 | - | - | - | - | 0 |
| SUPERFUND ROD | Y | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| **State** | | | | | | | | |
| SHWS | Y | 1 | **1** | 0 | 0 | 0 | 0 | **1** |
| DELISTED SHWS | Y | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| SWF/LF | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| LUST | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| DELISTED LST | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| UST | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| TANK | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| AST | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| DTNK | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| ENG | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| INST | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| VCP | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| BROWNFIELDS | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| **Tribal** | | | | | | | | |
| INDIAN LUST | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| INDIAN UST | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| DELISTED ILST | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| DELISTED IUST | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| **County** | ***No County standard environmental record sources available for this State.*** | | | | | | | |
| **Additional Environmental Records** | | | | | | | | |
| **Federal** | | | | | | | | |
| FINDS/FRS | Y | PO | **1** | - | - | - | - | **1** |
| TRIS | Y | PO | 0 | - | - | - | - | 0 |
| PFAS TRI | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| PFAS NPL | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |

| Database | Searched | Search Radius | Project Property | Within 0.12mi | 0.125mi to 0.25mi | 0.25mi to 0.50mi | 0.50mi to 1.00mi | Total |
|---|---|---|---|---|---|---|---|---|
| PFAS WATER | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| PFAS SSEHRI | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| ERNS PFAS | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| HMIRS | Y | 0.125 | 0 | 0 | - | - | - | 0 |
| NCDL | Y | 0.125 | 0 | 0 | - | - | - | 0 |
| TSCA | Y | 0.125 | 0 | 0 | - | - | - | 0 |
| HIST TSCA | Y | 0.125 | 0 | 0 | - | - | - | 0 |
| FTTS ADMIN | Y | PO | 0 | - | - | - | - | 0 |
| FTTS INSP | Y | PO | 0 | - | - | - | - | 0 |
| PRP | Y | PO | 0 | - | - | - | - | 0 |
| SCRD DRYCLEANER | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| ICIS | Y | PO | 0 | - | - | - | - | 0 |
| FED DRYCLEANERS | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| DELISTED FED DRY | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| FUDS | Y | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| FORMER NIKE | Y | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| PIPELINE INCIDENT | Y | PO | 0 | - | - | - | - | 0 |
| MLTS | Y | PO | 0 | - | - | - | - | 0 |
| HIST MLTS | Y | PO | 0 | - | - | - | - | 0 |
| MINES | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| SMCRA | Y | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| MRDS | Y | 1 | 0 | **1** | 0 | 0 | 0 | **1** |
| URANIUM | Y | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| ALT FUELS | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| CONSENT DECREES | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| AFS | Y | PO | 0 | - | - | - | - | 0 |
| SSTS | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| PCBT | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| PCB | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| **State** | | | | | | | | |
| SPILLS | Y | 0.125 | 0 | 0 | - | - | - | 0 |
| PFAS | Y | 0.5 | 0 | 0 | 0 | 0 | - | 0 |
| CDL | Y | 0.125 | 0 | 0 | - | - | - | 0 |
| DRYCLEANERS | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| DELISTED DRYCLEANERS | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |

| Database | Searched | Search Radius | Project Property | Within 0.12mi | 0.125mi to 0.25mi | 0.25mi to 0.50mi | 0.50mi to 1.00mi | Total |
|---|---|---|---|---|---|---|---|---|
| **Tribal** | ***No Tribal additional environmental record sources available for this State.*** | | | | | | | |
| **County** | ***No County additional environmental record sources available for this State.*** | | | | | | | |
| ***Total:*** | | | ***2*** | ***2*** | *0* | *0* | *0* | ***4*** |

**** PO – Property Only***
**** 'Property and adjoining properties' database search radii are set at 0.25 miles.***

# Executive Summary: Site Report Summary - Project Property

| Map Key | DB | Company/Site Name | Address | Direction | Distance (mi/ft) | Elev Diff (ft) | Page Number |
|---|---|---|---|---|---|---|---|
| 1 | FINDS/FRS | ALASKA PULP LUMBER DIVISION | ZIMOVIA HWY<br>WRANGELL AK 99929<br>***Registry ID:*** *110007920081* | NNW | 0.00 / 0.00 | -1 | 17 |
| 1 | SHWS | Wrangell Sawmill | Mile 7 Zimovia Highway,<br>Wrangell, AK 99929<br>AK | NNW | 0.00 / 0.00 | -1 | 17 |

# Executive Summary: Site Report Summary - Surrounding Properties

| Map Key | DB | Company/Site Name | Address | Direction | Distance (mi/ft) | Elev Diff (ft) | Page Number |
|---|---|---|---|---|---|---|---|
| 2 | RCRA NON GEN | WRANGELL JUNKYARD | MILE 3.9 ZIMOVIA HIGHWAY WRANGELL AK 99929<br>***EPA Handler ID:*** AKR000206474 | SW | 0.05 / 252.08 | 13 | 21 |
| 3 | MRDS | ZIMOVIA HWY-6 MILE QUARRY | WRANGELL COUNTY WRANGELL AK 99929<br>***Dep ID:*** 10234303 | SSW | 0.11 / 576.57 | 164 | 23 |

# Executive Summary: Summary by Data Source

## *Standard*

### Federal

#### RCRA NON GEN - RCRA Non-Generators

A search of the RCRA NON GEN database, dated Jun 27, 2022 has found that there are 1 RCRA NON GEN site(s) within approximately 0.25 miles of the project property.

| Equal/Higher Elevation | Address | Direction | Distance (mi/ft) | Map Key |
|---|---|---|---|---|
| WRANGELL JUNKYARD | MILE 3.9 ZIMOVIA HIGHWAY<br>WRANGELL AK 99929<br><br>***EPA Handler ID**: AKR000206474* | SW | 0.05 / 252.08 | 2 |

### State

#### SHWS - Contaminated Sites Program Database

A search of the SHWS database, dated Sep 26, 2022 has found that there are 1 SHWS site(s) within approximately 1.00 miles of the project property.

| Lower Elevation | Address | Direction | Distance (mi/ft) | Map Key |
|---|---|---|---|---|
| Wrangell Sawmill | Mile 7 Zimovia Highway, Wrangell, AK 99929<br>AK | NNW | 0.00 / 0.00 | 1 |

## *Non Standard*

### Federal

#### FINDS/FRS - Facility Registry Service/Facility Index

A search of the FINDS/FRS database, dated Nov 2, 2020 has found that there are 1 FINDS/FRS site(s) within approximately 0.02 miles of the project property.

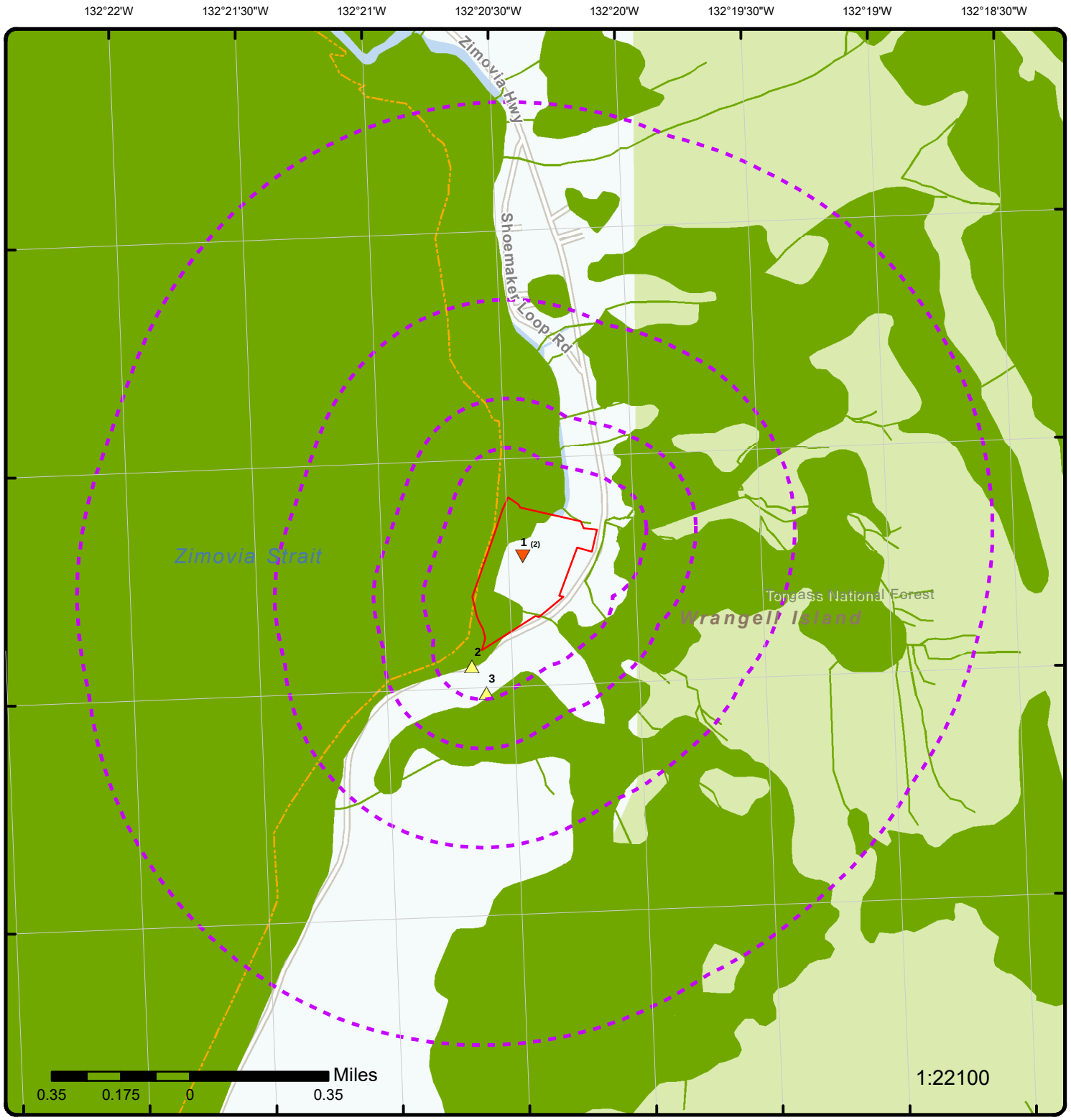
| Lower Elevation | Address | Direction | Distance (mi/ft) | Map Key |
|---|---|---|---|---|
| ALASKA PULP LUMBER DIVISION | ZIMOVIA HWY<br>WRANGELL AK 99929<br><br>***Registry ID**: 110007920081* | NNW | 0.00 / 0.00 | 1 |

#### MRDS - Mineral Resource Data System

A search of the MRDS database, dated Mar 15, 2016 has found that there are 1 MRDS site(s) within approximately 1.00 miles of the project property.

| Equal/Higher Elevation | Address | Direction | Distance (mi/ft) | Map Key |
|---|---|---|---|---|
| ZIMOVIA HWY-6 MILE QUARRY | WRANGELL COUNTY<br>WRANGELL AK 99929 | SSW | 0.11 / 576.57 | 3 |

| Equal/Higher Elevation | Address | Direction | Distance (mi/ft) | Map Key |
|---|---|---|---|---|
| | ***Dep ID**: 10234303* | | | |

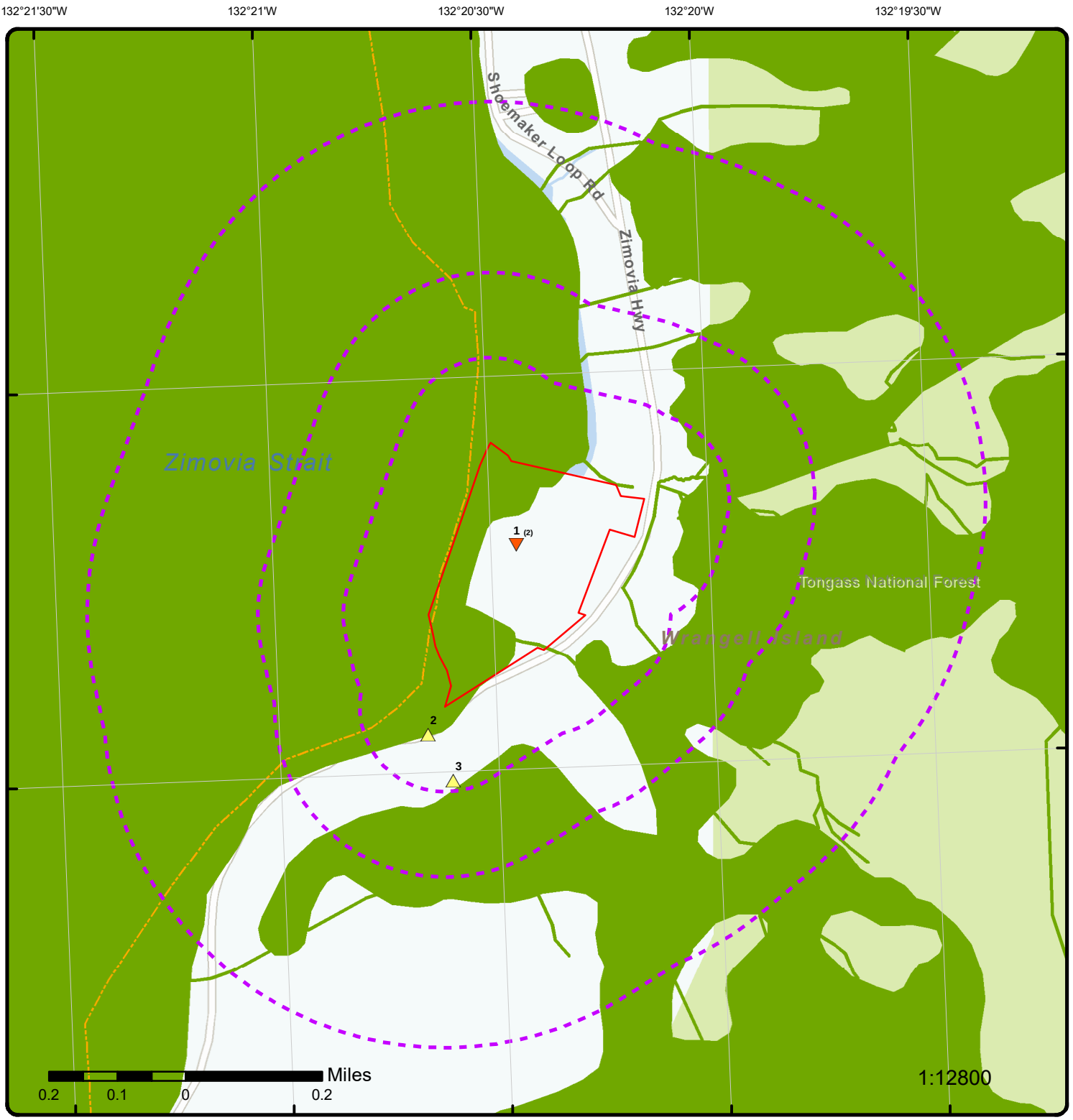



# Map: 1.0 Mile Radius

Order Number: 22093000437

Address: Wrangell Mill, Wrangell, AK

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- Plume
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)



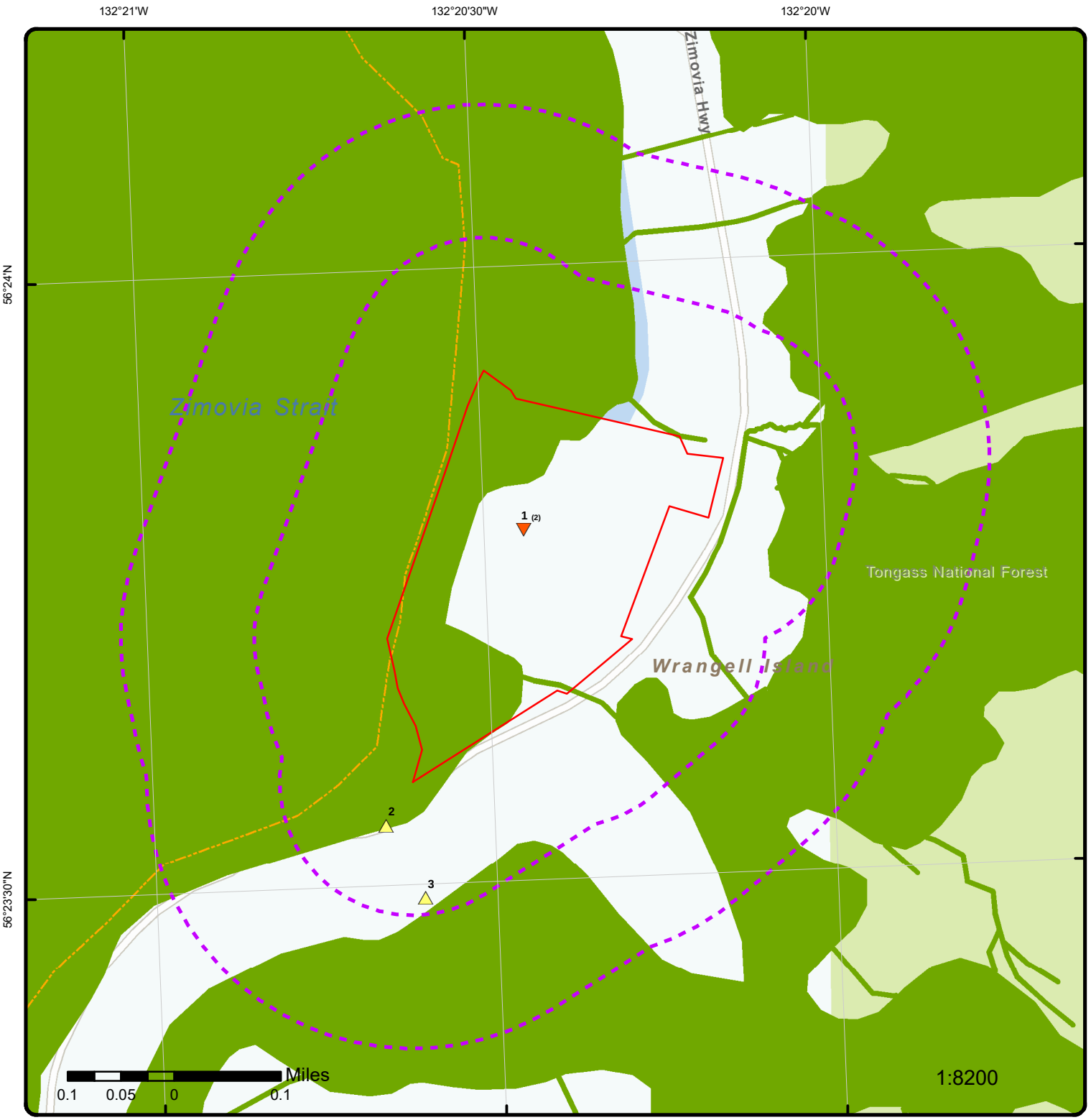

# Map: 0.5 Mile Radius

Order Number: 22093000437

Address: Wrangell Mill, Wrangell, AK

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- Plume
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

**Source:** © 2021 ESRI StreetMap Premium




# Map: 0.25 Mile Radius

Order Number: 22093000437

Address: Wrangell Mill, Wrangell, AK

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- Plume
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)


# Aerial **Year: 2021**

Address: Wrangell Mill, Wrangell, AK

**Source:** ESRI World Imagery

Order Number: 22093000437


# Topographic Map

**Year: 2017**

Order Number: 22093000437

Address: Wrangell Mill, AK

Quadrangle(s): Petersburg B-2 SE, AK; Petersburg B-1 SW, AK; Petersburg B-2 NE, AK; Petersburg B-1 NW, AK



**Source:** USGS Topographic Map

# Detail Report

| Map Key | Number of Records | Direction | Distance (mi/ft) | Elev/Diff (ft) | Site | DB |
|---|---|---|---|---|---|---|
| 1 | 1 of 2 | NNW | 0.00 / 0.00 | 0.00 / -1 | ALASKA PULP LUMBER DIVISION<br>ZIMOVIA HWY<br>WRANGELL AK 99929 | FINDS/FRS |

**Registry ID:** 110007920081
**FIPS Code:** 02280
**HUC Code:** 19010202
**Site Type Name:** STATIONARY
**Location Description:**
**Supplemental Location:**
**Create Date:** 01-MAR-00
**Update Date:** 08-APR-16
**Interest Types:** COMPLIANCE ACTIVITY, TRANSPORTER
**SIC Codes:**
**SIC Code Descriptions:**
**NAICS Codes:**
**NAICS Code Descriptions:**
**Conveyor:** EPA_SLT
**Federal Facility Code:**
**Federal Agency Name:**
**Tribal Land Code:**
**Tribal Land Name:**
**Congressional Dist No:** 00
**Census Block Code:** 022750003001111
**EPA Region Code:** 10
**County Name:** WRANGELL
**US/Mexico Border Ind:**
**Latitude:** 56.396415
**Longitude:** -132.340761
**Reference Point:** FACILITY CENTROID
**Coord Collection Method:** INTERPOLATION-PHOTO
**Accuracy Value:** 4
**Datum:** NAD83
**Source:**
**Facility Detail Rprt URL:** https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110007920081
**Program Acronyms:**

NCDB:I10#1995062868236 3, RCRAINFO:AKD983069824

| Map Key | Number of Records | Direction | Distance (mi/ft) | Elev/Diff (ft) | Site | DB |
|---|---|---|---|---|---|---|
| 1 | 2 of 2 | NNW | 0.00 / 0.00 | 0.00 / -1 | Wrangell Sawmill<br>Mile 7 Zimovia Highway, Wrangell,<br>AK 99929<br>AK | SHWS |

**Hazard ID:** 25786
**Status:** Cleanup Complete
**File ID:** 1529.38.022
**Staff:** No Longer Assigned, 9074655229 dec.icunit@alaska.gov
**Comments:**
**Latitude:** 56.3961
**Longitude:** -132.3401
**Horizontal Datum:** WGS84

The site is a former logging operations facility that ceased operation in 1994. Decommissioning activities are currently in the process, with an office, shop, three warehouses, and several above ground storage tanks, totes and drums for storage of petroleum products remaining at the site.
On August 2, 2006 a Phase I was conducted that showed the following areas of concern: contaminated surface soils at the sort yard tank farm and Mt. Seley, a storage lot for used equipment and above ground storage tanks.
On October 12 and 13, 2011 a Phase II was conducted that included further investigations of soils at the tank farm and the Mt. Seley storage area as well as observation of other petroleum storage activities that included a number of tanks, drums, batteries, scrap and unused materials, that included the following areas of concern:

1. Main Mill Yard and Tank Farm that includes two above ground storage tanks, a 10,000-gallon diesel and a 1,500-gallon unleaded gasoline tank. One 500-gallon diesel tank was removed in 2006. The Main Mill Yard stored several empty fuel storage tanks from 5,000- to 10,000-gallons and have been removed. Soil samples detected diesel-range organics (DRO) at 8,110 parts per million (ppm) at two feet below ground surface (bgs).
2. Mt. Seley was used for storage of heavy equipment and empty fuel tanks orignated from various logging camps, several trucks, heavy equipment and over 30 empty tanks with capacities of 500 to 1,000 gallons, as well as 20 tanks with capacities over 5,000 gallons. The majority of the equipment and tanks were removed with a few 55-gallon drums and propane tanks remaining. Soil samples detected DRO at concentrations ranging from 302 ppm to 3,470 ppm at 3 and 3.5 feet bgs.
3. Maintenance Shop Area included 25 lead acid batteries, a 500-gallon used oil storage tank, various tanks and drums, a lube oil tote and drum storage area includeing 40 totes and 29 drums, a 55-gallon drum that fuels a steam cleaner and various other servive equipment. No samples were taken in this area.
4. Evaporation Pond where surface runoff from the highway and runoff from the east end of the site where equipment had previously been washed down. Soil sample taken detected DRO at 185 ppm and residual range organics (RRO) at 563 ppm at the ground surface.
5. Former Office Tank that included an above ground storage tank that stored Jet-A fuel. Soil sample detected DRO at 404 ppm at one foot bgs.
6. Generator Tank and Mill Pod consiting of a 20,000-gallon double walled diesel tank that sits next to the mill pod. Soil samples detected DRO 1,420 ppm at one foot bgs.
7. Former Generator Building Tanks consisting of three steel single walled 500-gallon fuel tanks labeled used oil and diesel. Soil sample detected DRO at 51,300 ppm and RRO at 12,300 ppm at the surface.
8. Overhead Cranes consisting of an electronic crane and a hydraulic crane. Soil samples detected DRO at 36.2 ppm and RRO at 117 ppm.
9. Settling Pond and Oil-Water Separator - The facility is connected to a subsurface drainage system that flows into this lined settling pond that discharges to a 22,000-gallon oil-water separator. Soil samples detected DRO at 1,790 and 3,350 ppm and RRO at 7,540 and 15,600 ppm at 0.5 feet bgs.
10. Warehouses and Other Areas of Concern - The warehouse to the south of the maintenance shop was used for lube oil storage that included 23 totes containing hydraulic fluid, chain oil, turbine oil, six 5-gallon buckets filled with paints and lube-tubes and 25 drums of two-cycle and ISO32 chain oil. The warehouse to the south end of the yard stores radio and other electrical equipment, and the warehouse located on the north end of the mill is being relocated. The other areas of concern were surface staining and sheens on the ground throughout the site where vehicle maintenance, parking, or storage of petroleum products has occurred.

***Action Information***

***Action Date:*** 12/13/2011
***Action:*** Site Added to Database
***DEC Staff:*** Alyce Hughey
***Description:***

A new site has been added to the database

***Action Date:*** 12/13/2011
***Action:*** Exposure Tracking Model Ranking
***DEC Staff:*** Alyce Hughey
***Description:***

Initial ranking with ETM completed for source area id: 79223 name: Main Mill Yard and Tank Farm

***Action Date:*** 3/2/2012
***Action:*** Report or Workplan Review - Other
***DEC Staff:*** Denise Elston
***Description:***

Phase II ESA, submitted by consultant was reviewed. The report is conclusive of onsite contamination. A letter requesting a cleanup plan was sent 3/16/12.

***Action Date:*** 3/16/2012
***Action:*** Update or Other Action
***DEC Staff:*** Denise Elston
***Description:***

Certified letter to RP (Mr. Dick Buhler) requesting cleanup plan for the mill site and Mt. Seley

***Action Date:*** 3/26/2012
***Action:*** Site Visit
***DEC Staff:*** Denise Elston
***Description:***

Site visit with Southeast Management Service's consultant Tom Hanna. We inspected the Mill property and bioremediation cell area for feasibile cleanup determinations. Mr. Hanna is expected to write a proposed cleanup work plan based on the site visit's observations/

***Action Date:*** 4/9/2012
***Action:*** Report or Workplan Review - Other
***DEC Staff:*** Denise Elston
***Description:***

Tom Hanna from Southeast Environmental Services delivered the cleanup workplan for DEC's review

***Action Date:*** 5/1/2012
***Action:*** Cleanup Plan Approved
***DEC Staff:*** Denise Elston
***Description:***

DEC approves the proposed soil cleanup plan for the Wrangell Sawmill Site.

***Action Date:*** 5/16/2012
***Action:*** Site Visit
***DEC Staff:*** Denise Elston
***Description:***

Site Visit during the initial cleanup phase. Excavation of contaminated soil began on 05/15/12 and transfered to the approved bioremediation cell site.

***Action Date:*** 6/26/2012
***Action:*** Potentially Responsible Party/State Interest Letter
***DEC Staff:*** Denise Elston
***Description:***

Mailed Silver Bay Logging state interest letter

***Action Date:*** 7/20/2012
***Action:*** Site Visit
***DEC Staff:*** Denise Elston
***Description:***

Denise Elston and Sally Schlichting performed a site visit to the Wrangell Lumber Mill Site while excavations were underway. DEC staff walked the site and observed the new bioremdiation area and the newly discovered areas of contamination. DEC staff requested additional analyses based on excavation activities and historic site operations.

***Action Date:*** 7/20/2012
***Action:*** Site Visit
***DEC Staff:*** Denise Elston
***Description:***

CSP staff visited the site while excavation activity is being completed. Excavated materials are being sorted on-site and placed in a bioremediation cell that will remain on-site.

***Action Date:*** 8/7/2012
***Action:*** Cleanup Plan Approved
***DEC Staff:*** Denise Elston
***Description:***

DEC approves the amended cleanup plan submitted by SMS on July 13, 2012 to address the additional contamination discovered, the changed stockpiling and bioremediation areas, and the addition of gasoline residual organics as a contaminante of concern (COC).

***Action Date:*** 2/14/2013
***Action:*** Report or Workplan Review - Other
***DEC Staff:*** Denise Elston
***Description:***

Tom Hanna of Southeast Management Services delivers the Cleanup Report of Contaminated Soil Excavations- Wrangell Lumber Mill Site for DEC's review. The report proposes that of the eleven onsite contaminated areas, eight are confirmed to meet DEC's cleanup criteria. Excavation activity will continue in the spring of 2013 to complete the cleanup activities

***Action Date:*** 3/20/2013
***Action:*** Report or Workplan Review - Other
***DEC Staff:*** Denise Elston
***Description:***

The interim cleanup report and recommendations and schedule for additional cleanup in 2013 are approved.

***Action Date:*** 7/22/2013
***Action:*** Cleanup Plan Approved
***DEC Staff:*** Denise Elston
***Description:***

Contaminated Sites Program (DEC) has completed a review of the Final Contaminated Soil Excavations and Bioremediation Plan- Wrangell Lumber Mill Site ( Report) submitted on May 30, 2013, prepared by Southeast Management Services (SMS) for Silver Bay Logging, Inc. in Wrangell, Alaska.

***Action Date:*** 10/24/2013
***Action:*** Exposure Tracking Model Ranking
***DEC Staff:*** Denise Elston
***Description:***

A new updated ranking with ETM has been completed for source area 79223 Main Mill Yard and Tank Farm.

***Action Date:*** 1/27/2014
***Action:*** Cleanup Complete Determination Issued
***DEC Staff:*** Sally Schlichting
***Description:***

Cleanup at the site is complete; soil excavated from multiple areas across the site was bioremediated on site, has been sampled and meets site cleanup levels (ingestion pathway). It is now suitable for use as fill or cover onsite. 95UCL concentrations are less than 3500 mg/kg DRO and 3085 mg/kg for RRO. No groundwater pathway is present at this site as this facility was constructed on fill over tidelands. Migration pathway to surface water is incomplete due to dispersed and weathered nature of residual levels of petroleum and the distance of this soil from tidewater and surface water drainages.

***Action Date:*** 1/27/2014
***Action:*** Exposure Tracking Model Ranking
***DEC Staff:*** Sally Schlichting
***Description:***

A new updated ranking with ETM has been completed for source area 79223 Main Mill Yard and Tank Farm.

***Action Date:*** 1/27/2014
***Action:*** Exposure Tracking Model Ranking
***DEC Staff:*** Sally Schlichting
***Description:***

A new updated ranking with ETM has been completed for source area 79223 Main Mill Yard and Tank Farm.

***Action Date:*** 5/2/2022
***Action:*** Update or Other Action
***DEC Staff:*** Nick Waldo
***Description:***

DEC Planning Preparedness and Response Program received a phone call on this date alleging previously unreported dumping of fungicide barrels at the site. The Contaminated Sites Program is looking into whether the previous environmental investigations at the site could have missed such contamination.

***Containment Information***

***Name:*** DRO
***Media:*** Soil
***Level Description:*** Between Method 2 Migration to Groundwater and Human Health/Ingestion/Inhalation
***Comments:*** Levels are less than 3500 mg/kg.

**Name:** RRO
**Media:** Soil
**Level Description:** Between Method 2 Migration to Groundwater and Human Health/Ingestion/Inhalation
**Comments:** Levels are less than 3085 mg/kg.

***Control Information***

**Type:** No ICs Required
**Details:**

***Requirements***

**Description:** Advance approval required to transport soil or groundwater off-site.
**Details:**

**Description:** Movement or use of contaminated material (including on site) in a manner that results in a violation of the water quality standards is prohibited (18 AAC 70)
**Details:**

***Documents Information***

**Name:** 25786_Appendix C.pdf
**Link:** http://dec.alaska.gov/Applications/SPAR/PublicMVC/CSP/Download?documentID=56654&fileName=25786_Appendix%20C.pdf

**Name:** 25786_Vol. 1 Summ..pdf
**Link:** http://dec.alaska.gov/Applications/SPAR/PublicMVC/CSP/Download?documentID=56648&fileName=25786_Vol.%201%20Summ..pdf

**Name:** 25786_2011 Phase II ESA_Wrangell Sawmill.pdf
**Link:** http://dec.alaska.gov/Applications/SPAR/PublicMVC/CSP/Download?documentID=56655&fileName=25786_2011%20Phase%20II%20ESA_Wrangell%20Sawmill.pdf

**Name:** 25786_Appendix B.pdf
**Link:** http://dec.alaska.gov/Applications/SPAR/PublicMVC/CSP/Download?documentID=56653&fileName=25786_Appendix%20B.pdf

**Name:** 25786_Wrangell Sawmill Cleanup Complete Determination January 17 2014.pdf
**Link:** http://dec.alaska.gov/Applications/SPAR/PublicMVC/CSP/Download?documentID=27679&fileName=25786_Wrangell%20Sawmill%20Cleanup%20Complete%20Determination%20January%2017%202014.pdf

**Name:** 25786_2012 Cleanup Plan_Wrangell Sawmill.pdf
**Link:** http://dec.alaska.gov/Applications/SPAR/PublicMVC/CSP/Download?documentID=56656&fileName=25786_2012%20Cleanup%20Plan_Wrangell%20Sawmill.pdf

**Name:** 25786_2012 Amendments to Cleanup Plan_Wrangell Sawmill.pdf
**Link:** http://dec.alaska.gov/Applications/SPAR/PublicMVC/CSP/Download?documentID=56657&fileName=25786_2012%20Amendments%20to%20Cleanup%20Plan_Wrangell%20Sawmill.pdf

**Name:** 25786_Volume 2.pdf
**Link:** http://dec.alaska.gov/Applications/SPAR/PublicMVC/CSP/Download?documentID=56650&fileName=25786_Volume%202.pdf

**Name:** 25786_Appndix A.pdf
**Link:** http://dec.alaska.gov/Applications/SPAR/PublicMVC/CSP/Download?documentID=56652&fileName=25786_Appndix%20A.pdf

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | 1 of 1 | SW | 0.05 / 252.08 | 13.79 / 13 | WRANGELL JUNKYARD<br>MILE 3.9 ZIMOVIA HIGHWAY<br>WRANGELL AK 99929 | RCRA<br>NON GEN |

**EPA Handler ID:** AKR000206474

| | |
|---|---|
| **Gen Status Universe:** | No Report |
| **Contact Name:** | BRUCE WANSTALL |
| **Contact Address:** | PO BOX 111800 , 410 WILLOUGHBY SUITE #302 , JUNEAU , AK, 99811 , US |
| **Contact Phone No and Ext:** | 907-465-5210 |
| **Contact Email:** | |
| **Contact Country:** | US |
| **County Name:** | WRANGELL-PETERSBURG |
| **EPA Region:** | 10 |
| **Land Type:** | Municipal |
| **Receive Date:** | 20220106 |
| **Location Latitude:** | 56.392479 |
| **Location Longitude:** | -132.344403 |

***Violation/Evaluation Summary***

| | |
|---|---|
| **Note:** | NO RECORDS: As of Jun 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID). |

***Handler Summary***

| | |
|---|---|
| **Importer Activity:** | No |
| **Mixed Waste Generator:** | No |
| **Transporter Activity:** | No |
| **Transfer Facility:** | No |
| **Onsite Burner Exemption:** | No |
| **Furnace Exemption:** | No |
| **Underground Injection Activity:** | No |
| **Commercial TSD:** | No |
| **Used Oil Transporter:** | No |
| **Used Oil Transfer Facility:** | No |
| **Used Oil Processor:** | No |
| **Used Oil Refiner:** | No |
| **Used Oil Burner:** | No |
| **Used Oil Market Burner:** | No |
| **Used Oil Spec Marketer:** | No |

***Hazardous Waste Handler Details***

| | |
|---|---|
| **Sequence No:** | 1 |
| **Receive Date:** | 20220106 |
| **Handler Name:** | WRANGELL JUNKYARD |
| **Source Type:** | Implementer |
| **Federal Waste Generator Code:** | U |
| **Generator Code Description:** | Undetermined by the Implementer |

***Waste Code Details***

| | |
|---|---|
| **Hazardous Waste Code:** | D001 |
| **Waste Code Description:** | IGNITABLE WASTE |
| **Hazardous Waste Code:** | D002 |
| **Waste Code Description:** | CORROSIVE WASTE |
| **Hazardous Waste Code:** | D018 |
| **Waste Code Description:** | BENZENE |
| **Hazardous Waste Code:** | D008 |
| **Waste Code Description:** | LEAD |

***Hazardous Waste Handler Details***

| | |
|---|---|
| **Sequence No:** | 1 |
| **Receive Date:** | 20160121 |

**Handler Name:** WRANGELL JUNKYARD
**Source Type:** Notification
**Federal Waste Generator Code:** 1
**Generator Code Description:** Large Quantity Generator

***Waste Code Details***

**Hazardous Waste Code:** D001
**Waste Code Description:** IGNITABLE WASTE

**Hazardous Waste Code:** D002
**Waste Code Description:** CORROSIVE WASTE

**Hazardous Waste Code:** D018
**Waste Code Description:** BENZENE

**Hazardous Waste Code:** D008
**Waste Code Description:** LEAD

***Owner/Operator Details***

**Owner/Operator Ind:** Current Operator
**Type:** State
**Name:** STATE OF ALASKA
**Date Became Current:** 20151116
**Date Ended Current:**
**Phone:**
**Source Type:** Implementer
**Street No:**
**Street 1:**
**Street 2:**
**City:**
**State:**
**Country:**
**Zip Code:**

**Owner/Operator Ind:** Current Owner
**Type:** Municipal
**Name:** CITY AND BOROUGH OF WRANGELL
**Date Became Current:** 20090601
**Date Ended Current:**
**Phone:**
**Source Type:** Notification
**Street No:**
**Street 1:** PO BOX 531
**Street 2:**
**City:** WRANGELL
**State:** AK
**Country:** US
**Zip Code:** 99929

**Owner/Operator Ind:** Current Owner
**Type:** Municipal
**Name:** CITY AND BOROUGH OF WRANGELL
**Date Became Current:** 20090601
**Date Ended Current:**
**Phone:**
**Source Type:** Implementer
**Street No:**
**Street 1:** PO BOX 531
**Street 2:**
**City:** WRANGELL
**State:** AK
**Country:** US
**Zip Code:** 99929

**Owner/Operator Ind:** Current Operator
**Type:** State
**Name:** STATE OF ALASKA
**Date Became Current:** 20151116
**Date Ended Current:**
**Phone:**
**Source Type:** Notification
**Street No:**
**Street 1:**
**Street 2:**
**City:**
**State:**
**Country:** US
**Zip Code:**

***Historical Handler Details***

**Receive Dt:** 20160121
**Generator Code Description:** Large Quantity Generator
**Handler Name:** WRANGELL JUNKYARD

| 3 | 1 of 1 | SSW | 0.11 / 576.57 | 164.38 / 164 | ZIMOVIA HWY-6 MILE QUARRY<br>WRANGELL COUNTY<br>WRANGELL AK 99929 | MRDS |
|---|---|---|---|---|---|---|

**Dep ID:** 10234303
**Dev Status:** PAST PRODUCER
**I1:** 28
**Latitude:** 56.391479

| | | | |
|---|---|---|---|
| ***Code List:*** | STN | ***Longitude:*** | -132.343506 |
| ***Url:*** | http://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10234303 | | |

***Commodity***

| | | | |
|---|---|---|---|
| ***I1:*** | 24 | ***Line:*** | 1 |
| ***Code:*** | STN | ***Inserted By:*** | MAS migration |
| ***Commodity:*** | Stone | ***Insert Date:*** | 29-OCT-2002 09:00:24 |
| ***Commodity Type:*** | Non-metallic | ***Updated By:*** | USGS |
| ***Commodity Group:*** | Stone | ***Update Date:*** | 29-OCT-2002 09:02:06 |
| ***Importance:*** | Primary | | |

***Names***

| | | | |
|---|---|---|---|
| ***I1:*** | 22 | ***Inserted By:*** | MAS migration |
| ***Status:*** | Previous | ***Insert Date:*** | 29-OCT-02 |
| ***Site Name:*** | Alp Pit | ***Updated By:*** | USGS |
| ***Line:*** | 3 | ***Update Date:*** | 29-OCT-02 |

***Names***

| | | | |
|---|---|---|---|
| ***I1:*** | 85 | ***Inserted By:*** | MAS migration |
| ***Status:*** | Current | ***Insert Date:*** | 29-OCT-02 |
| ***Site Name:*** | Zimovia Hwy-6 Mile Quarry | ***Updated By:*** | USGS |
| ***Line:*** | 2 | ***Update Date:*** | 29-OCT-02 |

# Unplottable Summary

**Total: 23 Unplottable sites**

| DB | Company Name/Site Name | Address | City | Zip | ERIS ID |
|---|---|---|---|---|---|
| BROWNFIELDS | Wrangell Junkyard | Zimovia Highway Mile 4 | Wrangell AK | | 826008578 |
| CERCLIS | WRANGELL JUNKYARD | 4-MILE ZIMOVIA HIGHWAY<br>***Site EPA ID:*** AKSFN1002224 | WRANGELL AK | 99929 | 818633316 |
| CERCLIS NFRAP | WRANGELL JUNKYARD | 4-MILE ZIMOVIA HIGHWAY<br>***Site EPA ID:*** AKSFN1002224 | WRANGELL AK | 99929 | 805490035 |
| ERNS | | 6.5 MILES ON ZIMOVIA HWY<br>***NRC Report No:*** 759497 | WRANGELL AK | 99929 | 806857804 |
| ERNS | | 5 MILES ZIMOVIA HWY<br>***NRC Report No:*** 1073861 | WRANGELL AK | 99929 | 819866115 |
| ERNS | | 5 MILE ZIMOVIA HWY<br>***NRC Report No:*** 1071162 | WRANGELL AK | 99929 | 819865872 |
| FINDS/FRS | THOMAS BAY POWER AUTHORITY | 4.5 ZIMOVIA HWY<br>***Registry ID:*** 110011627123 | WRANGELL AK | 99929 | 817317976 |
| FINDS/FRS | WRANGELL INSTITUTE | 5 MILE ZIMOVIA HIGHWAY<br>***Registry ID:*** 110007918307 | WRANGELL AK | 99929-0531 | 817310659 |
| FINDS/FRS | WRANGELL FOREST PRODUCTS | ZIMOVIA HWY<br>***Registry ID:*** 110011636836 | WRANGELL AK | 99929 | 817310019 |
| PCB | TYEE HYDROELECTRIC PROJECT | MILE 4.5 ZIMOVIA HIGHWAY<br>***Site ID:*** AK0000181636 | WRANGELL AK | 99929 | 859622363 |
| PCB | WRANGELL INSTITUTE | 5 MILE ZIMOVIA HIGHWAY<br>***Site ID:*** AKW100000082 | WRANGELL AK | 99929 | 859624611 |
| RCRA NON GEN | WRANGELL INSTITUTE | 5 MILE ZIMOVIA HIGHWAY | WRANGELL AK | 99929-0531 | 810324149 |

***EPA Handler ID:*** AKR000004200

| | | | | | |
|---|---|---|---|---|---|
| SEMS | WRANGELL JUNKYARD | 4-MILE ZIMOVIA HIGHWAY | WRANGELL AK | 99929 | 828843302 |
| | | ***EPA ID:*** AKSFN1002224 | | | |
| SPILLS | 6 Mile Zimovia Highway | | AK | | 820660499 |
| | | ***Spill ID \| Case Closed Date:*** 21862 \| 3/12/2004 12:00:00 AM | | | |
| SPILLS | 11 1/2 MILE ZIMOVIA HIGHWAY, WRANGELL | | Wrangell AK | 99929 | 820677765 |
| | | ***Spill ID \| Case Closed Date:*** 60 \| 3/21/2000 12:00:00 AM | | | |
| SPILLS | 6 Mile Zimovia Highway | | AK | | 820677548 |
| | | ***Spill ID \| Case Closed Date:*** 10654 \| 12/9/1998 12:00:00 AM | | | |
| SPILLS | 6 Mile Zimovia Highway | | AK | | 820661571 |
| | | ***Spill ID \| Case Closed Date:*** 114 \| 10/8/2000 12:00:00 AM | | | |
| SPILLS | 6 Mile Zimovia Highway | | AK | | 820660631 |
| | | ***Spill ID \| Case Closed Date:*** 12907 \| 6/9/1999 12:00:00 AM | | | |
| SPILLS | 6 Mile Zimovia Highway | | AK | | 820680393 |
| | | ***Spill ID \| Case Closed Date:*** 12875 \| 4/8/1999 12:00:00 AM | | | |
| SPILLS | 6 Mile Zimovia Highway | | AK | | 820677965 |
| | | ***Spill ID \| Case Closed Date:*** 10651 \| 12/8/1998 12:00:00 AM | | | |
| SPILLS | 6 Mile Zimovia Highway | | AK | | 891258904 |
| | | ***Spill ID \| Case Closed Date:*** 66749 \| 9/10/2021 12:00:00 AM | | | |
| SPILLS | 6 Mile Zimovia Highway | | AK | | 820642902 |
| | | ***Spill ID \| Case Closed Date:*** 2515 \| 3/2/2001 12:00:00 AM | | | |
| SPILLS | 6 Mile Zimovia Highway | | AK | | 820642788 |
| | | ***Spill ID \| Case Closed Date:*** 19423 \| 6/25/2003 12:00:00 AM | | | |

# Unplottable Report

***Site:*** ***Wrangell Junkyard***
***Zimovia Highway Mile 4 Wrangell AK***

BROWNFIELDS

***Hazard ID:*** 3295
***Status:*** Cleanup Complete
***File No:*** 1529.38.006
***Staff:*** No Longer Assigned,

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***Site:*** ***WRANGELL JUNKYARD***
***4-MILE ZIMOVIA HIGHWAY WRANGELL AK 99929***

CERCLIS

| | | | |
|---|---|---|---|
| ***Site ID:*** | 1002224 | ***RNPL Status Code:*** | N |
| ***Site EPA ID:*** | AKSFN1002224 | ***NPL Status:*** | Not on the NPL |
| ***Site Street Address 2:*** | | ***RFED Facility Code:*** | N |
| ***Site County Name:*** | WRANGELL-PETERSBURG C.A. | ***RFED Facility Desc:*** | Not a Federal Facility |
| ***Site FIPS Code:*** | | ***USGS Hydro Unit No.:*** | |
| ***Region Code:*** | 10 | ***Site Cong. Dist. Code:*** | |
| ***Site SMSA No.:*** | | ***ROT Desc:*** | |
| ***Site Prim. Latitude:*** | | ***FR NPL Update No.:*** | |
| ***Site Prim. Longitude:*** | | ***RFRA Code:*** | |
| ***Lat Long Source:*** | | | |

***RNON NPL Status Desc:*** NFRAP-Site does not qualify for the NPL based on existing information

***CERCLIS Assess History***

| | | | |
|---|---|---|---|
| ***OU ID:*** | 00 | ***RALT Short Name:*** | EPA In-House |
| ***Act Code ID:*** | 001 | ***Act Start Date:*** | |
| ***RAT Code:*** | VS | ***Act Complete Date:*** | 2/15/2001 00:00:00 |
| ***RAT Short Name:*** | ARCH SITE | ***AGT Order No.:*** | 1500 |
| ***RAT Name:*** | ARCHIVE SITE | ***SH OU:*** | |
| ***RAT Hist. Only Flag:*** | | ***SH Code:*** | |
| ***RAT NSI Indicator:*** | B | ***SH Seq:*** | |
| ***RAT Level:*** | 1 | ***SH Start Date:*** | |
| ***RAT DEF OU:*** | 00 | ***SH Complete Date:*** | |
| ***RFBS Code:*** | | ***SH Lead:*** | |
| ***SPA Code:*** | 13 | | |

***RAT Def:*** The decision is made that no further activity is planned at the site.
***Site Desc:***
***Site Alias:***

***CERCLIS Assess History***

| | | | |
|---|---|---|---|
| ***OU ID:*** | 00 | ***RALT Short Name:*** | State (Fund) |
| ***Act Code ID:*** | 001 | ***Act Start Date:*** | 5/23/2000 00:00:00 |
| ***RAT Code:*** | PA | ***Act Complete Date:*** | 2/9/2001 00:00:00 |
| ***RAT Short Name:*** | PA | ***AGT Order No.:*** | 130 |
| ***RAT Name:*** | PRELIMINARY ASSESSMENT | ***SH OU:*** | |
| ***RAT Hist. Only Flag:*** | | ***SH Code:*** | |
| ***RAT NSI Indicator:*** | B | ***SH Seq:*** | |
| ***RAT Level:*** | 1 | ***SH Start Date:*** | |
| ***RAT DEF OU:*** | 00 | ***SH Complete Date:*** | |
| ***RFBS Code:*** | P | ***SH Lead:*** | |
| ***SPA Code:*** | 13 | | |

***RAT Def:*** Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.
***Site Desc:***
***Site Alias:***

***CERCLIS Assess History***

| | | | |
|---|---|---|---|
| ***OU ID:*** | 00 | ***RALT Short Name:*** | |
| ***Act Code ID:*** | | ***Act Start Date:*** | |
| ***RAT Code:*** | | ***Act Complete Date:*** | |
| ***RAT Short Name:*** | | ***AGT Order No.:*** | 0 |
| ***RAT Name:*** | | ***SH OU:*** | |
| ***RAT Hist. Only Flag:*** | | ***SH Code:*** | |
| ***RAT NSI Indicator:*** | | ***SH Seq:*** | |
| ***RAT Level:*** | | ***SH Start Date:*** | |
| ***RAT DEF OU:*** | | ***SH Complete Date:*** | |
| ***RFBS Code:*** | | ***SH Lead:*** | |
| ***SPA Code:*** | | | |
| ***RAT Def:*** | | | |
| ***Site Desc:*** | No description available<br>. | | |
| ***Site Alias:*** | No alias data available | | |

***CERCLIS Assess History***

| | | | |
|---|---|---|---|
| ***OU ID:*** | 00 | ***RALT Short Name:*** | EPA Fund |
| ***Act Code ID:*** | 001 | ***Act Start Date:*** | |
| ***RAT Code:*** | DS | ***Act Complete Date:*** | 5/23/2000 00:00:00 |
| ***RAT Short Name:*** | DISCVRY | ***AGT Order No.:*** | 10 |
| ***RAT Name:*** | DISCOVERY | ***SH OU:*** | |
| ***RAT Hist. Only Flag:*** | | ***SH Code:*** | |
| ***RAT NSI Indicator:*** | B | ***SH Seq:*** | |
| ***RAT Level:*** | 1 | ***SH Start Date:*** | |
| ***RAT DEF OU:*** | 00 | ***SH Complete Date:*** | |
| ***RFBS Code:*** | | ***SH Lead:*** | |
| ***SPA Code:*** | 13 | | |
| ***RAT Def:*** | The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can occur through the use of several mechanisms such as a phone call or referral by another government agency. | | |
| ***Site Desc:*** | | | |
| ***Site Alias:*** | | | |

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***Site:*** ***WRANGELL JUNKYARD***
***4-MILE ZIMOVIA HIGHWAY WRANGELL AK 99929***

CERCLIS NFRAP

| | | | |
|---|---|---|---|
| ***Site ID:*** | 1002224 | ***Site FIPS Code:*** | |
| ***Site EPA ID:*** | AKSFN1002224 | ***Region Code:*** | 10 |
| ***Site Parent ID:*** | | ***Site Cong. Dist. Code:*** | |
| ***Site County Name:*** | WRANGELL-PETERSBURG C.A. | ***Federal Facility:*** | |
| ***Parent Site Name:*** | | | |

***CERCLIS-NFRAP Assess History***

| | | | |
|---|---|---|---|
| ***OU ID:*** | 0 | ***Act Start Date:*** | |
| ***Act Code ID:*** | 1 | ***Act Complete Date:*** | 2/15/2001 |
| ***RAT Code:*** | VS | ***AGT Order No.:*** | 1500 |
| ***RAT Short Name:*** | ARCH SITE | ***SH OU:*** | |
| ***RAT Name:*** | ARCHIVE SITE | ***SH Code:*** | |
| ***RAT Hist. Only Flag:*** | | ***SH Seq:*** | |
| ***RAT NSI Indicator:*** | B | ***SH Start Date:*** | |
| ***RAT Level:*** | 1 | ***SH Complete Date:*** | |
| ***RAT DEF OU:*** | 00 | ***SH Lead:*** | |
| ***RFBS Code:*** | | ***SH Qual:*** | |
| ***SPA Code:*** | 13 | ***RAQ Act. Qual Short:*** | |
| ***RALT Short Name:*** | EPA In-House | ***RNPL Status Code:*** | N |
| ***RAT Def:*** | The decision is made that no further activity is planned at the site. | | |
| ***RNON NPL Status Desc:*** | NFRAP-Site does not qualify for the NPL based on existing information | | |

***CERCLIS-NFRAP Assess History***

| | | | |
|---|---|---|---|
| ***OU ID:*** | 0 | ***Act Start Date:*** | |
| ***Act Code ID:*** | 1 | ***Act Complete Date:*** | 5/23/2000 |
| ***RAT Code:*** | DS | ***AGT Order No.:*** | 10 |

| | | | |
|---|---|---|---|
| ***RAT Short Name:*** | DISCVRY | ***SH OU:*** | |
| ***RAT Name:*** | DISCOVERY | ***SH Code:*** | |
| ***RAT Hist. Only Flag:*** | | ***SH Seq:*** | |
| ***RAT NSI Indicator:*** | B | ***SH Start Date:*** | |
| ***RAT Level:*** | 1 | ***SH Complete Date:*** | |
| ***RAT DEF OU:*** | 00 | ***SH Lead:*** | |
| ***RFBS Code:*** | | ***SH Qual:*** | |
| ***SPA Code:*** | 13 | ***RAQ Act. Qual Short:*** | |
| ***RALT Short Name:*** | EPA Fund | ***RNPL Status Code:*** | N |

***RAT Def:*** The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can occur through the use of several mechanisms such as a phone call or referral by another government agency.

***RNON NPL Status Desc:*** NFRAP-Site does not qualify for the NPL based on existing information

***CERCLIS-NFRAP Assess History***

| | | | |
|---|---|---|---|
| ***OU ID:*** | 0 | ***Act Start Date:*** | 5/23/2000 |
| ***Act Code ID:*** | 1 | ***Act Complete Date:*** | 2/9/2001 |
| ***RAT Code:*** | PA | ***AGT Order No.:*** | 130 |
| ***RAT Short Name:*** | PA | ***SH OU:*** | |
| ***RAT Name:*** | PRELIMINARY ASSESSMENT | ***SH Code:*** | |
| ***RAT Hist. Only Flag:*** | | ***SH Seq:*** | |
| ***RAT NSI Indicator:*** | B | ***SH Start Date:*** | |
| ***RAT Level:*** | 1 | ***SH Complete Date:*** | |
| ***RAT DEF OU:*** | 00 | ***SH Lead:*** | |
| ***RFBS Code:*** | P | ***SH Qual:*** | |
| ***SPA Code:*** | 13 | ***RAQ Act. Qual Short:*** | NFRAP |
| ***RALT Short Name:*** | State (Fund) | ***RNPL Status Code:*** | N |

***RAT Def:*** Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.

***RNON NPL Status Desc:*** NFRAP-Site does not qualify for the NPL based on existing information

---

***Site:***

***6.5 MILES ON ZIMOVIA HWY WRANGELL AK 99929*** ERNS

| | | | |
|---|---|---|---|
| ***NRC Report No:*** | 759497 | ***Latitude Degrees:*** | |
| ***Type of Incident:*** | VESSEL | ***Latitude Minutes:*** | |
| ***Incident Cause:*** | OPERATOR ERROR | ***Latitude Seconds:*** | |
| ***Incident Date:*** | 21-May-2005 18:00:00 | ***Longitude Degrees:*** | |
| ***Incident Location:*** | DELTA WESTERN FUEL DOCK IN WRANGELL HARBOR | ***Longitude Minutes:*** | |
| ***Incident Dtg:*** | OCCURRED | ***Longitude Seconds:*** | |
| ***Distance from City:*** | | ***Lat Quad:*** | |
| ***Distance Units:*** | | ***Long Quad:*** | |
| ***Direction from City:*** | | ***Location Section:*** | |
| ***Location County:*** | UNKNOWN | ***Location Township:*** | |
| ***Potential Flag:*** | | ***Location Range:*** | |
| ***Year:*** | Year 2005 Reports | | |

***Description of Incident:*** THE CALLER IS REPORTING A RELEASE OF NO 2 FUEL ONTO THE DECK AND INTO WRANGELL HARBOR FROM A TUG BOAT VENT DUE TO A OPEN VALVE.

***Material Spill Information***

| | | | |
|---|---|---|---|
| ***Chris Code:*** | OTW | ***Unit of Measure:*** | GALLON(S) |
| ***CAS No:*** | 000000-00-0 | ***If Reached Water:*** | YES |
| ***UN No:*** | | ***Amount in Water:*** | 1 |
| ***Name of Material:*** | OIL, FUEL: NO. 2 | ***Unit Reach Water:*** | CUP(S) |
| ***Amount of Material:*** | 1 | | |

***Calls Information***

| | | | |
|---|---|---|---|
| ***Date Time Received:*** | 21-May-2005 18:38:35 | ***Responsible City:*** | WRANGELL |
| ***Date Time Complete:*** | 21-May-2005 18:52:34 | ***Responsible State:*** | AK |
| ***Call Type:*** | INC | ***Responsible Zip:*** | 99929 |
| ***Resp Company:*** | SILVERBAY LOGING | ***Source:*** | TELEPHONE |
| ***Resp Org Type:*** | PRIVATE CITIZEN | | |

***Incident Information***

| | | | |
|---|---|---|---|
| ***Tank ID:*** | | ***Building ID:*** | |
| ***Tank Regulated:*** | U | ***Location Area ID:*** | |
| ***Tank Regulated By:*** | | ***Location Block ID:*** | |
| ***Capacity of Tank:*** | | ***OCSG No:*** | |
| ***Capacity Tank Units:*** | | ***OCSP No:*** | |
| ***Description of Tank:*** | | ***State Lease No:*** | |
| ***Actual Amount:*** | | ***Pier Dock No:*** | |
| ***Actual Amount Units:*** | | ***Berth Slip No:*** | |
| ***Tank Above Ground:*** | ABOVE | ***Brake Failure:*** | N |
| ***NPDES:*** | | ***Airbag Deployed:*** | |
| ***NPDES Compliance:*** | U | ***Transport Contain:*** | U |
| ***Init Contin Rel No:*** | | ***Location Subdiv:*** | |
| ***Contin Rel Permit:*** | | ***Platform Rig Name:*** | |
| ***Contin Release Type:*** | | ***Platform Letter:*** | |
| ***Aircraft ID:*** | | ***Allision:*** | N |
| ***Aircraft Runway No:*** | | ***Type of Structure:*** | |
| ***Aircraft Spot No:*** | | ***Structure Name:*** | |
| ***Aircraft Type:*** | | ***Structure Oper:*** | U |
| ***Aircraft Model:*** | | ***Transit Bus Flag:*** | |
| ***Aircraft Fuel Cap:*** | | ***Date Time Norm Serv:*** | |
| ***Aircraft Fuel Cap U:*** | | ***Serv Disrupt Time:*** | |
| ***Aircraft Fuel on Brd:*** | | ***Serv Disrupt Units:*** | |
| ***Aircraft Fuel OB U:*** | | ***CR Begin Date:*** | |
| ***Aircraft Hanger:*** | | ***CR End Date:*** | |
| ***Road Mile Marker:*** | | ***CR Change Date:*** | |
| ***Power Gen Facility:*** | U | ***FBI Contact:*** | |
| ***Generating Capacity:*** | | ***FBI Contact Dt Tm:*** | |
| ***Type of Fixed Obj:*** | | ***Passenger Handling:*** | |
| ***Type of Fuel:*** | | ***Passenger Route:*** | XXX |
| ***DOT Crossing No:*** | | ***Passenger Delay:*** | XXX |
| ***DOT Regulated:*** | U | ***Sub Part C Test Req:*** | XXX |
| ***Pipeline Type:*** | | ***Conductor Test:*** | |
| ***Pipeline Abv Ground:*** | ABOVE | ***Engineer Test:*** | |
| ***Pipeline Covered:*** | U | ***Trainman Test:*** | |
| ***Exposed Underwater:*** | N | ***Yard Foreman Test:*** | |
| ***Railroad Hotline:*** | | ***RCL Operator Test:*** | |
| ***Railroad Milepost:*** | | ***Brakeman Test:*** | |
| ***Grade Crossing:*** | N | ***Train Dispat Test:*** | |
| ***Crossing Device Ty:*** | | ***Signalman Test:*** | |
| ***Ty Vehicle Involved:*** | | ***Oth Employee Test:*** | |
| ***Device Operational:*** | Y | ***Unknown Test:*** | |

***Incident Details Information***

| | | | |
|---|---|---|---|
| ***Release Secured:*** | Y | ***State Agen Report No:*** | |
| ***Release Rate:*** | | ***State Agen on Scene:*** | |
| ***Release Rate Unit:*** | | ***State Agen Notified:*** | |
| ***Release Rate Rate:*** | | ***Fed Agency Notified:*** | |
| ***Est Duration of Rel:*** | | ***Oth Agency Notified:*** | |
| ***Desc Remedial Act:*** | ABSORBENTS APPLIED, CLEANUP COMPLETED | ***Body of Water:*** | WRANGELL HARBOR |
| ***Fire Involved:*** | N | ***Tributary of:*** | |
| ***Fire Extinguished:*** | U | ***Near River Mile Make:*** | |
| ***Any Evacuations:*** | N | ***Near River Mile Mark:*** | |
| ***No Evacuated:*** | | ***Offshore:*** | N |
| ***Who Evacuated:*** | | ***Weather Conditions:*** | RAINY |
| ***Radius of Evacu:*** | | ***Air Temperature:*** | 60 |
| ***Any Injuries:*** | N | ***Wind Direction:*** | |
| ***No. Injured:*** | | ***Wind Speed:*** | |
| ***No. Hospitalized:*** | | ***Wind Speed Unit:*** | |
| ***No. Fatalities:*** | | ***Water Supp Contam:*** | N |
| ***Any Fatalities:*** | N | ***Water Temperature:*** | |
| ***Any Damages:*** | N | ***Wave Condition:*** | |
| ***Damage Amount:*** | | ***Current Speed:*** | |
| ***Air Corridor Closed:*** | N | ***Current Direction:*** | |
| ***Air Corridor Desc:*** | | ***Current Speed Unit:*** | |
| ***Air Closure Time:*** | | ***EMPL Fatality:*** | |
| ***Waterway Closed:*** | N | ***Pass Fatality:*** | |
| ***Waterway Desc:*** | | ***Community Impact:*** | N |

| | | | |
|---|---|---|---|
| ***Waterway Close Time:*** | | ***Passengers Transfer:*** | UNK |
| ***Road Closed:*** | N | ***Passenger Injuries:*** | |
| ***Road Desc:*** | | ***Employee Injuries:*** | |
| ***Road Closure Time:*** | | ***Occupant Fatality:*** | |
| ***Road Closure Units:*** | | ***Sheen Size:*** | |
| ***Closure Direction:*** | | ***Sheen Size Units:*** | |
| ***Major Artery:*** | No | ***Sheen Size Length:*** | |
| ***Track Closed:*** | N | ***Sheen Size Length U:*** | |
| ***Track Desc:*** | | ***Sheen Size Width:*** | |
| ***Track Closure Time:*** | | ***Sheen Size Width U:*** | |
| ***Track Closure Units:*** | | ***Sheen Color:*** | |
| ***Track Close Dir:*** | | ***Dir of Sheen Travel:*** | |
| ***Media Interest:*** | NONE | ***Sheen Odor Desc:*** | |
| ***Medium Desc:*** | WATER | ***Duration Unit:*** | |
| ***Addl Medium Info:*** | WRANGELL HARBOR | ***Additional Info:*** | THE CALLER HAD NO ADDITIONAL INFORMATION |

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***Site:***

***5 MILES ZIMOVIA HWY  WRANGELL AK 99929***

ERNS

| | | | |
|---|---|---|---|
| ***NRC Report No:*** | 1073861 | ***Latitude Degrees:*** | |
| ***Type of Incident:*** | VESSEL | ***Latitude Minutes:*** | |
| ***Incident Cause:*** | VESSEL SINKING | ***Latitude Seconds:*** | |
| ***Incident Date:*** | 13-Feb-2014 07:30:00 | ***Longitude Degrees:*** | |
| ***Incident Location:*** | | ***Longitude Minutes:*** | |
| ***Incident Dtg:*** | DISCOVERED | ***Longitude Seconds:*** | |
| ***Distance from City:*** | | ***Lat Quad:*** | |
| ***Distance Units:*** | | ***Long Quad:*** | |
| ***Direction from City:*** | | ***Location Section:*** | |
| ***Location County:*** | WRANGELL-PETERBURG | ***Location Township:*** | |
| ***Potential Flag:*** | Yes | ***Location Range:*** | |
| ***Year:*** | Year 2014 Reports | | |

***Description of Incident:*** CALLER STATED A WOODED TRAWLER SANK AT THE DOCK DUE TO UNKNOWN CAUSES. CALLER DID NOT KNOW AT THIS TIME IF THERE WAS ANY RELEASE OF PRODUCT FROM THE VESSEL, THEY ARE EN ROUTE TO THE SCENE NOW.

***Material Spill Information***

| | | | |
|---|---|---|---|
| ***Chris Code:*** | OHY | ***Unit of Measure:*** | GALLON(S) |
| ***CAS No:*** | 000000-00-0 | ***If Reached Water:*** | UNKNOWN |
| ***UN No:*** | | ***Amount in Water:*** | 0 |
| ***Name of Material:*** | HYDRAULIC OIL | ***Unit Reach Water:*** | UNKNOWN AMOUNT |
| ***Amount of Material:*** | 5 | | |

| | | | |
|---|---|---|---|
| ***Chris Code:*** | ODS | ***Unit of Measure:*** | GALLON(S) |
| ***CAS No:*** | 000000-00-0 | ***If Reached Water:*** | UNKNOWN |
| ***UN No:*** | | ***Amount in Water:*** | 0 |
| ***Name of Material:*** | OIL: DIESEL | ***Unit Reach Water:*** | UNKNOWN AMOUNT |
| ***Amount of Material:*** | 200 | | |

***Calls Information***

| | | | |
|---|---|---|---|
| ***Date Time Received:*** | 13-Feb-2014 12:27:38 | ***Responsible City:*** | WRANGELL |
| ***Date Time Complete:*** | 13-Feb-2014 12:36:28 | ***Responsible State:*** | AK |
| ***Call Type:*** | INC | ***Responsible Zip:*** | 99929 |
| ***Resp Company:*** | | ***Source:*** | TELEPHONE |
| ***Resp Org Type:*** | PRIVATE CITIZEN | | |

***Incident Information***

| | | | |
|---|---|---|---|
| ***Tank ID:*** | | ***Building ID:*** | |
| ***Tank Regulated:*** | U | ***Location Area ID:*** | |
| ***Tank Regulated By:*** | | ***Location Block ID:*** | |
| ***Capacity of Tank:*** | | ***OCSG No:*** | |
| ***Capacity Tank Units:*** | | ***OCSP No:*** | |
| ***Description of Tank:*** | | ***State Lease No:*** | |
| ***Actual Amount:*** | | ***Pier Dock No:*** | |
| ***Actual Amount Units:*** | | ***Berth Slip No:*** | |

| | | | |
|---|---|---|---|
| ***Tank Above Ground:*** | ABOVE | ***Brake Failure:*** | U |
| ***NPDES:*** | | ***Airbag Deployed:*** | U |
| ***NPDES Compliance:*** | U | ***Transport Contain:*** | U |
| ***Init Contin Rel No:*** | | ***Location Subdiv:*** | |
| ***Contin Rel Permit:*** | | ***Platform Rig Name:*** | |
| ***Contin Release Type:*** | | ***Platform Letter:*** | |
| ***Aircraft ID:*** | | ***Allision:*** | U |
| ***Aircraft Runway No:*** | | ***Type of Structure:*** | |
| ***Aircraft Spot No:*** | | ***Structure Name:*** | |
| ***Aircraft Type:*** | | ***Structure Oper:*** | U |
| ***Aircraft Model:*** | | ***Transit Bus Flag:*** | |
| ***Aircraft Fuel Cap:*** | | ***Date Time Norm Serv:*** | |
| ***Aircraft Fuel Cap U:*** | | ***Serv Disrupt Time:*** | |
| ***Aircraft Fuel on Brd:*** | | ***Serv Disrupt Units:*** | |
| ***Aircraft Fuel OB U:*** | | ***CR Begin Date:*** | |
| ***Aircraft Hanger:*** | | ***CR End Date:*** | |
| ***Road Mile Marker:*** | | ***CR Change Date:*** | |
| ***Power Gen Facility:*** | U | ***FBI Contact:*** | |
| ***Generating Capacity:*** | | ***FBI Contact Dt Tm:*** | |
| ***Type of Fixed Obj:*** | | ***Passenger Handling:*** | |
| ***Type of Fuel:*** | | ***Passenger Route:*** | XXX |
| ***DOT Crossing No:*** | | ***Passenger Delay:*** | XXX |
| ***DOT Regulated:*** | U | ***Sub Part C Test Req:*** | XXX |
| ***Pipeline Type:*** | | ***Conductor Test:*** | |
| ***Pipeline Abv Ground:*** | ABOVE | ***Engineer Test:*** | |
| ***Pipeline Covered:*** | U | ***Trainman Test:*** | |
| ***Exposed Underwater:*** | N | ***Yard Foreman Test:*** | |
| ***Railroad Hotline:*** | | ***RCL Operator Test:*** | |
| ***Railroad Milepost:*** | | ***Brakeman Test:*** | |
| ***Grade Crossing:*** | U | ***Train Dispat Test:*** | |
| ***Crossing Device Ty:*** | | ***Signalman Test:*** | |
| ***Ty Vehicle Involved:*** | | ***Oth Employee Test:*** | |
| ***Device Operational:*** | U | ***Unknown Test:*** | |

***Incident Details Information***

| | | | |
|---|---|---|---|
| ***Release Secured:*** | N | ***State Agen Report No:*** | |
| ***Release Rate:*** | | ***State Agen on Scene:*** | |
| ***Release Rate Unit:*** | | ***State Agen Notified:*** | |
| ***Release Rate Rate:*** | | ***Fed Agency Notified:*** | |
| ***Est Duration of Rel:*** | | ***Oth Agency Notified:*** | |
| ***Desc Remedial Act:*** | OWNER IS ENROUTE, MARINA WILL PLACE BOOMS AROUND THE VESSEL AND TRY TO USE A DIVER TO PUT STRAPS ON IT. | ***Body of Water:*** | |
| ***Fire Involved:*** | N | ***Tributary of:*** | |
| ***Fire Extinguished:*** | U | ***Near River Mile Make:*** | |
| ***Any Evacuations:*** | N | ***Near River Mile Mark:*** | |
| ***No Evacuated:*** | | ***Offshore:*** | N |
| ***Who Evacuated:*** | | ***Weather Conditions:*** | OVERCAST |
| ***Radius of Evacu:*** | | ***Air Temperature:*** | 18 |
| ***Any Injuries:*** | N | ***Wind Direction:*** | NE |
| ***No. Injured:*** | | ***Wind Speed:*** | 3 |
| ***No. Hospitalized:*** | | ***Wind Speed Unit:*** | MPH |
| ***No. Fatalities:*** | | ***Water Supp Contam:*** | U |
| ***Any Fatalities:*** | N | ***Water Temperature:*** | |
| ***Any Damages:*** | N | ***Wave Condition:*** | |
| ***Damage Amount:*** | | ***Current Speed:*** | |
| ***Air Corridor Closed:*** | N | ***Current Direction:*** | |
| ***Air Corridor Desc:*** | | ***Current Speed Unit:*** | |
| ***Air Closure Time:*** | | ***EMPL Fatality:*** | |
| ***Waterway Closed:*** | N | ***Pass Fatality:*** | |
| ***Waterway Desc:*** | | ***Community Impact:*** | |
| ***Waterway Close Time:*** | | ***Passengers Transfer:*** | NO |
| ***Road Closed:*** | N | ***Passenger Injuries:*** | |
| ***Road Desc:*** | | ***Employee Injuries:*** | |
| ***Road Closure Time:*** | | ***Occupant Fatality:*** | |
| ***Road Closure Units:*** | | ***Sheen Size:*** | |
| ***Closure Direction:*** | | ***Sheen Size Units:*** | |
| ***Major Artery:*** | No | ***Sheen Size Length:*** | |
| ***Track Closed:*** | N | ***Sheen Size Length U:*** | |

| | | | |
|---|---|---|---|
| ***Track Desc:*** | | ***Sheen Size Width:*** | |
| ***Track Closure Time:*** | | ***Sheen Size Width U:*** | |
| ***Track Closure Units:*** | | ***Sheen Color:*** | |
| ***Track Close Dir:*** | | ***Dir of Sheen Travel:*** | |
| ***Media Interest:*** | UNKNOWN | ***Sheen Odor Desc:*** | |
| ***Medium Desc:*** | UNKNOWN | ***Duration Unit:*** | |
| ***Addl Medium Info:*** | POTENTIAL RELEASE | ***Additional Info:*** | |

***Site:***

***5 MILE ZIMOVIA HWY  WRANGELL AK 99929***

ERNS

| | | | |
|---|---|---|---|
| ***NRC Report No:*** | 1071162 | ***Latitude Degrees:*** | |
| ***Type of Incident:*** | VESSEL | ***Latitude Minutes:*** | |
| ***Incident Cause:*** | VESSEL SINKING | ***Latitude Seconds:*** | |
| ***Incident Date:*** | 14-Jan-2014 15:30:00 | ***Longitude Degrees:*** | |
| ***Incident Location:*** | | ***Longitude Minutes:*** | |
| ***Incident Dtg:*** | OCCURRED | ***Longitude Seconds:*** | |
| ***Distance from City:*** | | ***Lat Quad:*** | |
| ***Distance Units:*** | | ***Long Quad:*** | |
| ***Direction from City:*** | | ***Location Section:*** | |
| ***Location County:*** | WRANGELL-PETERBURG | ***Location Township:*** | |
| ***Potential Flag:*** | No | ***Location Range:*** | |
| ***Year:*** | Year 2014 Reports | | |

***Description of Incident:*** CALLER STATED THAT A TUG BOAT SANK IN THE WATER AND THERE IS NOW SHEEN BEING PRODUCED.

***Material Spill Information***

| | | | |
|---|---|---|---|
| ***Chris Code:*** | ODS | ***Unit of Measure:*** | UNKNOWN AMOUNT |
| ***CAS No:*** | 000000-00-0 | ***If Reached Water:*** | YES |
| ***UN No:*** | | ***Amount in Water:*** | 0 |
| ***Name of Material:*** | OIL: DIESEL | ***Unit Reach Water:*** | UNKNOWN AMOUNT |
| ***Amount of Material:*** | 0 | | |

***Calls Information***

| | | | |
|---|---|---|---|
| ***Date Time Received:*** | 14-Jan-2014 19:49:44 | ***Responsible City:*** | RAINBOW |
| ***Date Time Complete:*** | 14-Jan-2014 19:55:13 | ***Responsible State:*** | AK |
| ***Call Type:*** | INC | ***Responsible Zip:*** | 99929 |
| ***Resp Company:*** | SILVER BAY | ***Source:*** | TELEPHONE |
| ***Resp Org Type:*** | PRIVATE ENTERPRISE | | |

***Incident Information***

| | | | |
|---|---|---|---|
| ***Tank ID:*** | | ***Building ID:*** | |
| ***Tank Regulated:*** | U | ***Location Area ID:*** | |
| ***Tank Regulated By:*** | | ***Location Block ID:*** | |
| ***Capacity of Tank:*** | | ***OCSG No:*** | |
| ***Capacity Tank Units:*** | | ***OCSP No:*** | |
| ***Description of Tank:*** | | ***State Lease No:*** | |
| ***Actual Amount:*** | | ***Pier Dock No:*** | |
| ***Actual Amount Units:*** | | ***Berth Slip No:*** | |
| ***Tank Above Ground:*** | ABOVE | ***Brake Failure:*** | U |
| ***NPDES:*** | | ***Airbag Deployed:*** | U |
| ***NPDES Compliance:*** | U | ***Transport Contain:*** | U |
| ***Init Contin Rel No:*** | | ***Location Subdiv:*** | |
| ***Contin Rel Permit:*** | | ***Platform Rig Name:*** | |
| ***Contin Release Type:*** | | ***Platform Letter:*** | |
| ***Aircraft ID:*** | | ***Allision:*** | U |
| ***Aircraft Runway No:*** | | ***Type of Structure:*** | |
| ***Aircraft Spot No:*** | | ***Structure Name:*** | |
| ***Aircraft Type:*** | | ***Structure Oper:*** | U |
| ***Aircraft Model:*** | | ***Transit Bus Flag:*** | |
| ***Aircraft Fuel Cap:*** | | ***Date Time Norm Serv:*** | |
| ***Aircraft Fuel Cap U:*** | | ***Serv Disrupt Time:*** | |
| ***Aircraft Fuel on Brd:*** | | ***Serv Disrupt Units:*** | |
| ***Aircraft Fuel OB U:*** | | ***CR Begin Date:*** | |
| ***Aircraft Hanger:*** | | ***CR End Date:*** | |

| | | | |
|---|---|---|---|
| ***Road Mile Marker:*** | | ***CR Change Date:*** | |
| ***Power Gen Facility:*** | U | ***FBI Contact:*** | |
| ***Generating Capacity:*** | | ***FBI Contact Dt Tm:*** | |
| ***Type of Fixed Obj:*** | | ***Passenger Handling:*** | |
| ***Type of Fuel:*** | | ***Passenger Route:*** | XXX |
| ***DOT Crossing No:*** | | ***Passenger Delay:*** | XXX |
| ***DOT Regulated:*** | U | ***Sub Part C Test Req:*** | XXX |
| ***Pipeline Type:*** | | ***Conductor Test:*** | |
| ***Pipeline Abv Ground:*** | ABOVE | ***Engineer Test:*** | |
| ***Pipeline Covered:*** | U | ***Trainman Test:*** | |
| ***Exposed Underwater:*** | N | ***Yard Foreman Test:*** | |
| ***Railroad Hotline:*** | | ***RCL Operator Test:*** | |
| ***Railroad Milepost:*** | | ***Brakeman Test:*** | |
| ***Grade Crossing:*** | U | ***Train Dispat Test:*** | |
| ***Crossing Device Ty:*** | | ***Signalman Test:*** | |
| ***Ty Vehicle Involved:*** | | ***Oth Employee Test:*** | |
| ***Device Operational:*** | U | ***Unknown Test:*** | |

***Incident Details Information***

| | | | |
|---|---|---|---|
| ***Release Secured:*** | N | ***State Agen Report No:*** | |
| ***Release Rate:*** | | ***State Agen on Scene:*** | |
| ***Release Rate Unit:*** | | ***State Agen Notified:*** | |
| ***Release Rate Rate:*** | | ***Fed Agency Notified:*** | USCG |
| ***Est Duration of Rel:*** | | ***Oth Agency Notified:*** | |
| ***Desc Remedial Act:*** | CONTAINMENT BOOM APPLIED. | ***Body of Water:*** | ZIMOVIA STRAIT |
| ***Fire Involved:*** | N | ***Tributary of:*** | |
| ***Fire Extinguished:*** | U | ***Near River Mile Make:*** | |
| ***Any Evacuations:*** | N | ***Near River Mile Mark:*** | |
| ***No Evacuated:*** | | ***Offshore:*** | N |
| ***Who Evacuated:*** | | ***Weather Conditions:*** | OVERCAST |
| ***Radius of Evacu:*** | | ***Air Temperature:*** | |
| ***Any Injuries:*** | N | ***Wind Direction:*** | |
| ***No. Injured:*** | | ***Wind Speed:*** | 40 |
| ***No. Hospitalized:*** | | ***Wind Speed Unit:*** | MPH |
| ***No. Fatalities:*** | | ***Water Supp Contam:*** | U |
| ***Any Fatalities:*** | N | ***Water Temperature:*** | |
| ***Any Damages:*** | N | ***Wave Condition:*** | |
| ***Damage Amount:*** | | ***Current Speed:*** | |
| ***Air Corridor Closed:*** | N | ***Current Direction:*** | |
| ***Air Corridor Desc:*** | | ***Current Speed Unit:*** | |
| ***Air Closure Time:*** | | ***EMPL Fatality:*** | |
| ***Waterway Closed:*** | N | ***Pass Fatality:*** | |
| ***Waterway Desc:*** | | ***Community Impact:*** | |
| ***Waterway Close Time:*** | | ***Passengers Transfer:*** | NO |
| ***Road Closed:*** | N | ***Passenger Injuries:*** | |
| ***Road Desc:*** | | ***Employee Injuries:*** | |
| ***Road Closure Time:*** | | ***Occupant Fatality:*** | |
| ***Road Closure Units:*** | | ***Sheen Size:*** | |
| ***Closure Direction:*** | | ***Sheen Size Units:*** | |
| ***Major Artery:*** | No | ***Sheen Size Length:*** | 20 |
| ***Track Closed:*** | N | ***Sheen Size Length U:*** | FEET |
| ***Track Desc:*** | | ***Sheen Size Width:*** | 12 |
| ***Track Closure Time:*** | | ***Sheen Size Width U:*** | FEET |
| ***Track Closure Units:*** | | ***Sheen Color:*** | REDDISH |
| ***Track Close Dir:*** | | ***Dir of Sheen Travel:*** | |
| ***Media Interest:*** | UNKNOWN | ***Sheen Odor Desc:*** | |
| ***Medium Desc:*** | WATER | ***Duration Unit:*** | |
| ***Addl Medium Info:*** | ZIMOVIA STRAIT | ***Additional Info:*** | |

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***Site:*** ***THOMAS BAY POWER AUTHORITY***
***4.5 ZIMOVIA HWY WRANGELL AK 99929***

FINDS/FRS

| | |
|---|---|
| ***Registry ID:*** | 110011627123 |
| ***FIPS Code:*** | |
| ***HUC Code:*** | |
| ***Site Type Name:*** | STATIONARY |
| ***Location Description:*** | |
| ***Supplemental Location:*** | |

***Create Date:*** 01-MAR-00
***Update Date:*** 29-DEC-14
***Interest Types:*** COMPLIANCE ACTIVITY
***SIC Codes:***
***SIC Code Descriptions:***
***NAICS Codes:***
***NAICS Code Descriptions:***
***Conveyor:***
***Federal Facility Code:***
***Federal Agency Name:***
***Tribal Land Code:***
***Tribal Land Name:***
***Congressional Dist No:***
***Census Block Code:***
***EPA Region Code:*** 10
***County Name:*** WRANGELL
***US/Mexico Border Ind:***
***Latitude:***
***Longitude:***
***Reference Point:***
***Coord Collection Method:***
***Accuracy Value:***
***Datum:*** NAD83
***Source:***
***Facility Detail Rprt URL:*** https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110011627123
***Program Acronyms:***

NCDB:I10#1995062863236 1

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***Site:*** ***WRANGELL INSTITUTE***
***5 MILE ZIMOVIA HIGHWAY WRANGELL AK 99929-0531***

FINDS/FRS

***Registry ID:*** 110007918307
***FIPS Code:*** 02280
***HUC Code:*** 19010202
***Site Type Name:*** STATIONARY
***Location Description:***
***Supplemental Location:***
***Create Date:*** 01-MAR-00
***Update Date:*** 17-OCT-17
***Interest Types:*** UNSPECIFIED UNIVERSE
***SIC Codes:***
***SIC Code Descriptions:***
***NAICS Codes:***
***NAICS Code Descriptions:***
***Conveyor:*** FRS
***Federal Facility Code:***
***Federal Agency Name:***
***Tribal Land Code:***
***Tribal Land Name:***
***Congressional Dist No:*** 00
***Census Block Code:*** 022750003001094
***EPA Region Code:*** 10
***County Name:*** WRANGELL-PETERSBURG
***US/Mexico Border Ind:***
***Latitude:*** 56.407191
***Longitude:*** -132.334937
***Reference Point:***
***Coord Collection Method:*** ADDRESS MATCHING-HOUSE NUMBER
***Accuracy Value:*** 4500
***Datum:*** NAD83
***Source:***
***Facility Detail Rprt URL:*** https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110007918307
***Program Acronyms:***

RCRAINFO:AK0000694034, RCRAINFO:AKR000004200

***Site:*** ***WRANGELL FOREST PRODUCTS***
***ZIMOVIA HWY WRANGELL AK 99929***

FINDS/FRS

| | |
|---|---|
| ***Registry ID:*** | 110011636836 |
| ***FIPS Code:*** | 02280 |
| ***HUC Code:*** | |
| ***Site Type Name:*** | STATIONARY |
| ***Location Description:*** | |
| ***Supplemental Location:*** | |
| ***Create Date:*** | 01-MAR-00 |
| ***Update Date:*** | 22-AUG-17 |
| ***Interest Types:*** | COMPLIANCE ACTIVITY |
| ***SIC Codes:*** | |
| ***SIC Code Descriptions:*** | |
| ***NAICS Codes:*** | |
| ***NAICS Code Descriptions:*** | |
| ***Conveyor:*** | |
| ***Federal Facility Code:*** | |
| ***Federal Agency Name:*** | |
| ***Tribal Land Code:*** | |
| ***Tribal Land Name:*** | |
| ***Congressional Dist No:*** | |
| ***Census Block Code:*** | |
| ***EPA Region Code:*** | 10 |
| ***County Name:*** | PETERSBURG |
| ***US/Mexico Border Ind:*** | |
| ***Latitude:*** | |
| ***Longitude:*** | |
| ***Reference Point:*** | |
| ***Coord Collection Method:*** | |
| ***Accuracy Value:*** | |
| ***Datum:*** | NAD83 |
| ***Source:*** | |
| ***Facility Detail Rprt URL:*** | https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110011636836 |
| ***Program Acronyms:*** | |

NCDB:C10#10-88291-01-WR, NCDB:D10#1089-02-11-2615, NCDB:I10#198808242975 1

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***Site:*** ***TYEE HYDROELECTRIC PROJECT***
***MILE 4.5 ZIMOVIA HIGHWAY WRANGELL AK 99929***

PCB

| | | | |
|---|---|---|---|
| ***Site ID:*** | AK0000181636 | ***Mail Address 1:*** | P.O. BOX 1318 |
| ***Receive Date:*** | | ***Mail Address 2:*** | |
| ***Generator:*** | Yes | ***Mail Street No:*** | |
| ***Storer:*** | No | ***Mail City:*** | WRANGELL |
| ***Transporter:*** | No | ***Mail State:*** | AK |
| ***Disposer:*** | No | ***Mail Zip:*** | 99929 |
| ***Research:*** | No | ***Mail Country:*** | US |
| ***Smelter:*** | No | ***Contact Name:*** | LOWELL HIGHBARGIN |
| ***Cert Title:*** | | ***Contact Title:*** | |
| ***Cert Date:*** | 3/4/1994 12:00:00 AM | ***Contact Phone:*** | 907-874-3834 |
| ***Cert Name:*** | | ***Contact Phone Ext:*** | |
| ***Location Country:*** | US | ***Contact Email:*** | |
| ***State Name:*** | ALASKA | ***Owner Name:*** | STATE OF ALASKA |
| ***Region:*** | 10 | | |

---

***Site:*** ***WRANGELL INSTITUTE***
***5 MILE ZIMOVIA HIGHWAY WRANGELL AK 99929***

PCB

| | | | |
|---|---|---|---|
| ***Site ID:*** | AKW100000082 | ***Mail Address 1:*** | PO BOX 531 |
| ***Receive Date:*** | | ***Mail Address 2:*** | |
| ***Generator:*** | Yes | ***Mail Street No:*** | |
| ***Storer:*** | No | ***Mail City:*** | WRANGELL |
| ***Transporter:*** | No | ***Mail State:*** | AK |
| ***Disposer:*** | No | ***Mail Zip:*** | 99929 |

| | | | |
|---|---|---|---|
| ***Research:*** | No | ***Mail Country:*** | US |
| ***Smelter:*** | No | ***Contact Name:*** | BOB CALDWELL |
| ***Cert Title:*** | | ***Contact Title:*** | |
| ***Cert Date:*** | 11/11/1996 12:00:00 AM | ***Contact Phone:*** | 907-874-3904 |
| ***Cert Name:*** | | ***Contact Phone Ext:*** | |
| ***Location Country:*** | US | ***Contact Email:*** | |
| ***State Name:*** | ALASKA | ***Owner Name:*** | CITY OF WRANGELL |
| ***Region:*** | 10 | | |

---

***Site:*** ***WRANGELL INSTITUTE***
***5 MILE ZIMOVIA HIGHWAY WRANGELL AK 99929-0531***

RCRA NON GEN

| | |
|---|---|
| ***EPA Handler ID:*** | AKR000004200 |
| ***Gen Status Universe:*** | No Report |
| ***Contact Name:*** | BOB CALDWELL |
| ***Contact Address:*** | PO BOX 531 , , WRANGELL , AK, 99929-0531 , US |
| ***Contact Phone No and Ext:*** | 907-874-3904 |
| ***Contact Email:*** | |
| ***Contact Country:*** | US |
| ***County Name:*** | WRANGELL-PETERSBURG |
| ***EPA Region:*** | 10 |
| ***Land Type:*** | Municipal |
| ***Receive Date:*** | 20020506 |
| ***Location Latitude:*** | |
| ***Location Longitude:*** | |

***Violation/Evaluation Summary***

***Note:*** NO RECORDS: As of Jun 2022, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

***Handler Summary***

| | |
|---|---|
| ***Importer Activity:*** | No |
| ***Mixed Waste Generator:*** | No |
| ***Transporter Activity:*** | No |
| ***Transfer Facility:*** | No |
| ***Onsite Burner Exemption:*** | No |
| ***Furnace Exemption:*** | No |
| ***Underground Injection Activity:*** | No |
| ***Commercial TSD:*** | No |
| ***Used Oil Transporter:*** | No |
| ***Used Oil Transfer Facility:*** | No |
| ***Used Oil Processor:*** | No |
| ***Used Oil Refiner:*** | No |
| ***Used Oil Burner:*** | No |
| ***Used Oil Market Burner:*** | No |
| ***Used Oil Spec Marketer:*** | No |

***Hazardous Waste Handler Details***

| | |
|---|---|
| ***Sequence No:*** | 2 |
| ***Receive Date:*** | 20011211 |
| ***Handler Name:*** | WRANGELL INSTITUTE |
| ***Source Type:*** | Notification |
| ***Federal Waste Generator Code:*** | 2 |
| ***Generator Code Description:*** | Small Quantity Generator |

***Hazardous Waste Handler Details***

| | |
|---|---|
| ***Sequence No:*** | 1 |
| ***Receive Date:*** | 19991119 |
| ***Handler Name:*** | WRANGELL INSTITUTE |
| ***Source Type:*** | Notification |
| ***Federal Waste Generator Code:*** | 2 |
| ***Generator Code Description:*** | Small Quantity Generator |

***Hazardous Waste Handler Details***

| | |
|---|---|
| ***Sequence No:*** | 3 |
| ***Receive Date:*** | 20020506 |
| ***Handler Name:*** | WRANGELL INSTITUTE |
| ***Source Type:*** | Notification |
| ***Federal Waste Generator Code:*** | N |
| ***Generator Code Description:*** | Not a Generator, Verified |

***Owner/Operator Details***

| | | | |
|---|---|---|---|
| ***Owner/Operator Ind:*** | Current Owner | ***Street No:*** | |
| ***Type:*** | Municipal | ***Street 1:*** | PO BOX 531 |
| ***Name:*** | CITY OF WRANGELL | ***Street 2:*** | |
| ***Date Became Current:*** | | ***City:*** | WRANGELL |
| ***Date Ended Current:*** | | ***State:*** | AK |
| ***Phone:*** | 907-874-2381 | ***Country:*** | |
| ***Source Type:*** | Notification | ***Zip Code:*** | 99929-0531 |

***Historical Handler Details***

| | |
|---|---|
| ***Receive Dt:*** | 19991119 |
| ***Generator Code Description:*** | Small Quantity Generator |
| ***Handler Name:*** | WRANGELL INSTITUTE |

| | |
|---|---|
| ***Receive Dt:*** | 20011211 |
| ***Generator Code Description:*** | Small Quantity Generator |
| ***Handler Name:*** | WRANGELL INSTITUTE |

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***Site:*** ***WRANGELL JUNKYARD***
***4-MILE ZIMOVIA HIGHWAY WRANGELL AK 99929***

SEMS

| | | | |
|---|---|---|---|
| ***EPA ID:*** | AKSFN1002224 | ***Pgm Sys ID:*** | AKSFN1002224 |
| ***NPL:*** | | ***Primary Name(MAP):*** | WRANGELL JUNKYARD |
| ***Federal Facility:*** | | ***Loc Address(MAP):*** | 4-MILE ZIMOVIA HIGHWAY |
| ***Non NPL Status:*** | | ***City Name:*** | WRANGELL |
| ***SuperF Alt Agrmnt:*** | | ***Postal Code:*** | 99929 |
| ***Site Name:*** | WRANGELL JUNKYARD | ***County Name:*** | WRANGELL-PETERSBURG |
| ***Street Address:*** | 4-MILE ZIMOVIA HIGHWAY | ***Latitude83:*** | 56.42277 |
| ***Street Address 2:*** | | ***Longitude83:*** | -132.35756 |
| ***City:*** | WRANGELL | ***PGM SYS ID:*** | AKSFN1002224 |
| ***State:*** | AK | ***Name(CalOES):*** | WRANGELL JUNKYARD |
| ***Zip:*** | 99929 | ***Loc Addr(CalOES):*** | 4-MILE ZIMOVIA HIGHWAY |
| ***County:*** | WRANGELL-PETERSBURG | ***City:*** | WRANGELL |
| ***Latitude:*** | | ***Postal:*** | 99929 |
| ***Longitude:*** | | ***County:*** | WRANGELL-PETERSBURG |
| ***Region:*** | | ***Latitude83:*** | 56.42277 |
| ***Cong District:*** | | ***Longitude83:*** | -132.35756 |
| ***FIPS Code:*** | | | |
| ***Data Source:*** | EPA Superfund Data and Reports Active Site Inventory (List 8R Active); EPA FRS Interests Map - SEMS; CalOES EPA RCRA TSDF Map - SEMS | | |

***Site Level Information***

| | | | |
|---|---|---|---|
| ***Site ID:*** | 1002224 | ***Superfund Alt Agmt:*** | No |
| ***NPL:*** | Not on the NPL | ***FIPS Code:*** | 02280 |
| ***Federal Facility:*** | No | ***Cong District:*** | |
| ***FF Docket:*** | No | ***Region:*** | 10 |
| ***Non NPL Status:*** | Removal Only Site (No Site Assessment Work Needed) | | |

***Action Information***

| | | | |
|---|---|---|---|
| ***Operable Units:*** | 00 | ***Start Actual:*** | 05/23/2000 |
| ***Action Code:*** | DS | ***Finish Actual:*** | 05/23/2000 |
| ***Action Name:*** | DISCVRY | ***Qual:*** | |

| | | | |
|---|---|---|---|
| ***SEQ:*** | 1 | ***Curr Action Lead:*** | EPA Perf |
| ***Operable Units:*** | 00 | ***Start Actual:*** | 05/23/2000 |
| ***Action Code:*** | PA | ***Finish Actual:*** | 02/09/2001 |
| ***Action Name:*** | PA | ***Qual:*** | N |
| ***SEQ:*** | 1 | ***Curr Action Lead:*** | St Perf |
| ***Operable Units:*** | 00 | ***Start Actual:*** | 02/15/2001 |
| ***Action Code:*** | VS | ***Finish Actual:*** | 02/15/2001 |
| ***Action Name:*** | ARCH SITE | ***Qual:*** | |
| ***SEQ:*** | 1 | ***Curr Action Lead:*** | EPA Perf In-Hse |
| ***Operable Units:*** | 00 | ***Start Actual:*** | 06/17/2015 |
| ***Action Code:*** | VU | ***Finish Actual:*** | 06/17/2015 |
| ***Action Name:*** | UNARCHIVE | ***Qual:*** | |
| ***SEQ:*** | 1 | ***Curr Action Lead:*** | EPA Perf |

***REST Information***

| | | | |
|---|---|---|---|
| ***Registry ID:*** | 110071102737 | ***Pgm Sys Acrnm:*** | SEMS |
| ***Active Status:*** | NOT ON THE NPL | ***Accuracy Value:*** | |
| ***Key Field:*** | SEMSAKSFN1002224 | ***HUC8 Code:*** | 19010202 |
| ***Interest Type:*** | SUPERFUND (NON-NPL) | ***HUC 12:*** | |
| ***Fed Agency Name:*** | | ***Federal Land Ind:*** | |
| ***Fed Facility Code:*** | | ***Public Ind:*** | Y |
| ***EPA Region Code:*** | 10 | ***Pgm Report:*** | no data yet |
| ***Collect Mth Desc:*** | | | |
| ***Ref Point Desc:*** | | | |
| ***Fac Url:*** | https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110071102737 | | |
| ***Program Url:*** | | | |
| ***Pgm Report Url:*** | no data yet | | |
| ***Fips Code:*** | 02280 | | |

| | | | |
|---|---|---|---|
| ***Registry ID:*** | 110071102737 | ***Pgm Sys Acrnm:*** | SEMS |
| ***Active Status:*** | NOT ON THE NPL | ***Accuracy Value:*** | |
| ***Key Field:*** | SEMSAKSFN1002224 | ***HUC8 Code:*** | 19010202 |
| ***Interest Type:*** | SUPERFUND (NON-NPL) | ***HUC 12:*** | |
| ***Fed Agency Name:*** | | ***Federal Land Ind:*** | |
| ***Fed Facility Code:*** | | ***Public Ind:*** | Y |
| ***EPA Region Code:*** | 10 | ***Pgm Report:*** | no data yet |
| ***Collect Mth Desc:*** | | | |
| ***Ref Point Desc:*** | | | |
| ***Fac Url:*** | https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110071102737 | | |
| ***Program Url:*** | | | |
| ***Pgm Report Url:*** | no data yet | | |
| ***Fips Code:*** | 02280 | | |

***CalOES EPA RCRA TSDF - SEMS***

| | | | |
|---|---|---|---|
| ***Registry ID:*** | 110071102737 | ***HUC 12:*** | |
| ***Interest Ttpe:*** | SUPERFUND (NON-NPL) | ***Collect Method:*** | |
| ***Active Status:*** | NOT ON THE NPL | ***Accuracy Value:*** | |
| ***Pgm Sys Acrnm:*** | SEMS | ***Ref Point Desc:*** | |
| ***Federal Ag:*** | | ***EPA Region:*** | 10 |
| ***Federal La:*** | | ***Key Field:*** | SEMSAKSFN1002224 |
| ***Fed Facility Cd:*** | | ***Create Dt:*** | 26-Oct-2021 |
| ***Public Ind:*** | Y | ***Update Dt:*** | 24-Nov-2021 |
| ***FIPS Code:*** | 02280 | ***Last Reported Dt:*** | |
| ***HUC8 Code:*** | 19010202 | | |
| ***Pgm Report:*** | no data yet | | |
| ***Program Url:*** | | | |
| ***Fac Url:*** | https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110071102737 | | |

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***Site:*** ***6 Mile Zimovia Highway***
***AK***

SPILLS

| | | | |
|---|---|---|---|
| ***Spill ID:*** | 21862 | ***Latitude:*** | 56.404322 |
| ***Spill No:*** | 04119907204 | ***Longitude:*** | -132.336024 |

***Spill Date:*** 3/12/2004 12:00:00 AM
***Facility Type:*** Silvaculture
***Facility Sub Type:*** Logging Operation
***Case Closed Date:*** 3/12/2004 12:00:00 AM
***Response:*** Phone Follow-up
***Location:*** Wrangell
***Location Data:*** Facility
***Spill Name:*** Silver Bay Logging Leaking Trucks
***Source Type:*** Other

***Address1:***
***Address2:***
***City:***
***Zip Code:***
***Area:*** Southeast Alaska
***Sub Area:*** Southeast Alaska
***Region:*** Land - Petersburg / Wrangell

***Spill Detail(s)***

***Substance Subtype:*** Other
***Quantity Released:*** 5.000
***Substance Unit:*** Gallons
***Quantity Potential:***
***Responsible Party:*** Buhler, Dick - Buhler, Dick

***Cause Subtype:*** Leak
***Cause Type:*** Structural/Mechanical
***Affiliate Role:*** Primary Responsible Party
***Substance Type:*** Noncrude Oil

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***Site:*** ***11 1/2 MILE ZIMOVIA HIGHWAY, WRANGELL***
***Wrangell AK 99929***

SPILLS

***Spill ID:*** 60
***Spill No:*** 00119907001
***Spill Date:*** 3/10/2000 12:00:00 AM
***Facility Type:*** Other
***Facility Sub Type:***
***Case Closed Date:*** 3/21/2000 12:00:00 AM
***Response:*** Phone Follow-up
***Location:*** Wrangell
***Location Data:*** Facility
***Spill Name:*** TOM LESLIE HFFT SPILL
***Source Type:***

***Latitude:*** 56.4768554667773
***Longitude:*** -132.379512665793
***Address1:***
***Address2:***
***City:*** Wrangell
***Zip Code:*** 99929
***Area:*** Southeast Alaska
***Sub Area:*** Southeast Alaska
***Region:*** Land - Petersburg / Wrangell

***Spill Detail(s)***

***Substance Subtype:*** Diesel
***Quantity Released:*** 15.000
***Substance Unit:*** Gallons
***Quantity Potential:***
***Responsible Party:*** LESLIE TOM - LESLIE, TOM

***Cause Subtype:*** Other
***Cause Type:*** Other
***Affiliate Role:*** Primary Responsible Party
***Substance Type:*** Noncrude Oil

---

***Site:*** ***6 Mile Zimovia Highway***
***AK***

SPILLS

***Spill ID:*** 10654
***Spill No:*** 98119934102
***Spill Date:*** 12/7/1998 12:00:00 AM
***Facility Type:*** Vehicle
***Facility Sub Type:***
***Case Closed Date:*** 12/9/1998 12:00:00 AM
***Response:*** Took Report
***Location:*** Wrangell
***Location Data:*** Site
***Spill Name:*** WRANGELL GOLF CLUB GRADER
***Source Type:***

***Latitude:*** 56.4768554667773
***Longitude:*** -132.379512665793
***Address1:***
***Address2:***
***City:***
***Zip Code:***
***Area:*** Southeast Alaska
***Sub Area:*** Southeast Alaska
***Region:*** Land - Petersburg / Wrangell

***Spill Detail(s)***

***Substance Subtype:*** Diesel
***Quantity Released:*** 3.000
***Substance Unit:*** Gallons
***Quantity Potential:***
***Responsible Party:*** SILVER BAY LOGGING - NO ENTRY, NO ENTRY

***Cause Subtype:*** Sabotage/Vandalism
***Cause Type:*** Human Factors
***Affiliate Role:*** Primary Responsible Party
***Substance Type:*** Noncrude Oil

***Substance Subtype:*** Diesel
***Quantity Released:*** 3.000
***Substance Unit:*** Gallons

***Cause Subtype:*** Sabotage/Vandalism
***Cause Type:*** Human Factors
***Affiliate Role:*** Primary Responsible Party

***Quantity Potential:*** ***Substance Type:*** Noncrude Oil
***Responsible Party:*** WRANGELL GOLF CLUB - NO ENTRY, NO ENTRY

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***Site:*** ***6 Mile Zimovia Highway AK*** SPILLS

***Spill ID:*** 114
***Spill No:*** 00119911102
***Spill Date:*** 4/20/2000 12:00:00 AM
***Facility Type:*** Vehicle
***Facility Sub Type:***
***Case Closed Date:*** 10/8/2000 12:00:00 AM
***Response:*** Field Visit/s
***Location:*** Wrangell
***Location Data:*** Site
***Spill Name:*** SILVER BAY LOGGING SPILL
***Source Type:***

***Latitude:*** 56.4768554667773
***Longitude:*** -132.379512665793
***Address1:***
***Address2:***
***City:***
***Zip Code:***
***Area:*** Southeast Alaska
***Sub Area:*** Southeast Alaska
***Region:*** Land - Petersburg / Wrangell

***Spill Detail(s)***

***Substance Subtype:*** Hydraulic Oil
***Quantity Released:*** 5.000
***Substance Unit:*** Gallons
***Quantity Potential:***
***Responsible Party:*** BAHLER DICK - BAHLER, DICK

***Cause Subtype:*** Leak
***Cause Type:*** Structural/Mechanical
***Affiliate Role:*** Primary Responsible Party
***Substance Type:*** Noncrude Oil

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***Site:*** ***6 Mile Zimovia Highway AK*** SPILLS

***Spill ID:*** 12907
***Spill No:*** 99119813401
***Spill Date:*** 5/14/1999 12:00:00 AM
***Facility Type:*** Vehicle
***Facility Sub Type:***
***Case Closed Date:*** 6/9/1999 12:00:00 AM
***Response:*** Phone Follow-up
***Location:*** Wrangell
***Location Data:*** Site
***Spill Name:*** SILVER BAY LOGGING
***Source Type:***

***Latitude:*** 56.4768554667773
***Longitude:*** -132.379512665793
***Address1:***
***Address2:***
***City:***
***Zip Code:***
***Area:*** Southeast Alaska
***Sub Area:*** Southeast Alaska
***Region:*** Land - Petersburg / Wrangell

***Spill Detail(s)***

***Substance Subtype:*** Engine Lube/Gear Oil
***Quantity Released:*** 2.000
***Substance Unit:*** Gallons
***Quantity Potential:***
***Responsible Party:*** SILVER BAY LOGGING - NO ENTRY, NO ENTRY

***Cause Subtype:*** Sinking
***Cause Type:*** Human Factors
***Affiliate Role:*** Primary Responsible Party
***Substance Type:*** Noncrude Oil

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***Site:*** ***6 Mile Zimovia Highway AK*** SPILLS

***Spill ID:*** 12875
***Spill No:*** 99119809801
***Spill Date:*** 4/8/1999 12:00:00 AM
***Facility Type:*** Silvaculture
***Facility Sub Type:*** Processing/Swamill
***Case Closed Date:*** 4/8/1999 12:00:00 AM
***Response:*** Took Report
***Location:*** Wrangell
***Location Data:*** Site
***Spill Name:*** WRANGELL SAWMILL
***Source Type:***

***Latitude:*** 56.4768554667773
***Longitude:*** -132.379512665793
***Address1:***
***Address2:***
***City:***
***Zip Code:***
***Area:*** Southeast Alaska
***Sub Area:*** Southeast Alaska
***Region:*** Land - Petersburg / Wrangell

***Spill Detail(s)***

| | | | |
|---|---|---|---|
| ***Substance Subtype:*** | Diesel | ***Cause Subtype:*** | Leak |
| ***Quantity Released:*** | 10.000 | ***Cause Type:*** | Structural/Mechanical |
| ***Substance Unit:*** | Gallons | ***Affiliate Role:*** | Primary Responsible Party |
| ***Quantity Potential:*** | | ***Substance Type:*** | Noncrude Oil |
| ***Responsible Party:*** | SILVER BAY LOGGING - NO ENTRY, NO ENTRY | | |

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***Site:*** ***6 Mile Zimovia Highway***
***AK***

SPILLS

| | | | |
|---|---|---|---|
| ***Spill ID:*** | 10651 | ***Latitude:*** | 56.4768554667773 |
| ***Spill No:*** | 98119934001 | ***Longitude:*** | -132.379512665793 |
| ***Spill Date:*** | 12/6/1998 12:00:00 AM | ***Address1:*** | |
| ***Facility Type:*** | Other | ***Address2:*** | |
| ***Facility Sub Type:*** | | ***City:*** | |
| ***Case Closed Date:*** | 12/8/1998 12:00:00 AM | ***Zip Code:*** | |
| ***Response:*** | Phone Follow-up | ***Area:*** | Southeast Alaska |
| ***Location:*** | Wrangell | ***Sub Area:*** | Southeast Alaska |
| ***Location Data:*** | Site | ***Region:*** | Land - Petersburg / Wrangell |
| ***Spill Name:*** | SILVERBAY LOGGING | | |
| ***Source Type:*** | | | |

***Spill Detail(s)***

| | | | |
|---|---|---|---|
| ***Substance Subtype:*** | Diesel | ***Cause Subtype:*** | Sabotage/Vandalism |
| ***Quantity Released:*** | 2.000 | ***Cause Type:*** | Human Factors |
| ***Substance Unit:*** | Gallons | ***Affiliate Role:*** | Primary Responsible Party |
| ***Quantity Potential:*** | | ***Substance Type:*** | Noncrude Oil |
| ***Responsible Party:*** | SILVERBAY LOGGING - NO ENTRY, NO ENTRY | | |

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***Site:*** ***6 Mile Zimovia Highway***
***AK***

SPILLS

| | | | |
|---|---|---|---|
| ***Spill ID:*** | 66749 | ***Latitude:*** | 56.404322 |
| ***Spill No:*** | 21119906801 | ***Longitude:*** | -132.336024 |
| ***Spill Date:*** | 3/9/2021 12:00:00 AM | ***Address1:*** | |
| ***Facility Type:*** | Residence | ***Address2:*** | |
| ***Facility Sub Type:*** | | ***City:*** | |
| ***Case Closed Date:*** | 9/10/2021 12:00:00 AM | ***Zip Code:*** | |
| ***Response:*** | Phone Follow-up | ***Area:*** | Southeast Alaska |
| ***Location:*** | Wrangell | ***Sub Area:*** | Southeast Alaska |
| ***Location Data:*** | Facility | ***Region:*** | Land - Petersburg / Wrangell |
| ***Spill Name:*** | Milepost 6 Line Leak Diesel Wrangell | | |
| ***Source Type:*** | Other | | |

***Spill Detail(s)***

| | | | |
|---|---|---|---|
| ***Substance Subtype:*** | Diesel | ***Cause Subtype:*** | Human Error |
| ***Quantity Released:*** | 5.500 | ***Cause Type:*** | Human Factors |
| ***Substance Unit:*** | Gallons | ***Affiliate Role:*** | Primary Responsible Party |
| ***Quantity Potential:*** | 5.500 | ***Substance Type:*** | Noncrude Oil |
| ***Responsible Party:*** | Private Resident - Mitchell, Mike | | |

---

***Site:*** ***6 Mile Zimovia Highway***
***AK***

SPILLS

| | | | |
|---|---|---|---|
| ***Spill ID:*** | 2515 | ***Latitude:*** | 56.4768554667773 |
| ***Spill No:*** | 01119906004 | ***Longitude:*** | -132.379512665793 |
| ***Spill Date:*** | 3/1/2001 12:00:00 AM | ***Address1:*** | |
| ***Facility Type:*** | Silvaculture | ***Address2:*** | |
| ***Facility Sub Type:*** | Logging Operation | ***City:*** | |
| ***Case Closed Date:*** | 3/2/2001 12:00:00 AM | ***Zip Code:*** | |
| ***Response:*** | Phone Follow-up | ***Area:*** | Southeast Alaska |
| ***Location:*** | Wrangell | ***Sub Area:*** | Southeast Alaska |
| ***Location Data:*** | Site | ***Region:*** | Land - Petersburg / Wrangell |
| ***Spill Name:*** | Silver Bay Logging Tow Boat SB | | |
| ***Source Type:*** | | | |

***Spill Detail(s)***

| | | | |
|---|---|---|---|
| ***Substance Subtype:*** | Diesel | ***Cause Subtype:*** | Overfill |
| ***Quantity Released:*** | 15.000 | ***Cause Type:*** | Human Factors |
| ***Substance Unit:*** | Gallons | ***Affiliate Role:*** | Primary Responsible Party |
| ***Quantity Potential:*** | | ***Substance Type:*** | Noncrude Oil |
| ***Responsible Party:*** | SILVER BAY LOGGING - NO ENTRY, NO ENTRY | | |

---

***Site:*** ***6 Mile Zimovia Highway AK***

SPILLS

| | | | |
|---|---|---|---|
| ***Spill ID:*** | 19423 | ***Latitude:*** | 56.4768554667773 |
| ***Spill No:*** | 03119917401 | ***Longitude:*** | -132.379512665793 |
| ***Spill Date:*** | 6/23/2003 12:00:00 AM | ***Address1:*** | |
| ***Facility Type:*** | Silvaculture | ***Address2:*** | |
| ***Facility Sub Type:*** | Processing/Swamill | ***City:*** | |
| ***Case Closed Date:*** | 6/25/2003 12:00:00 AM | ***Zip Code:*** | |
| ***Response:*** | Took Report | ***Area:*** | Southeast Alaska |
| ***Location:*** | Wrangell | ***Sub Area:*** | Southeast Alaska |
| ***Location Data:*** | Site | ***Region:*** | Land - Petersburg / Wrangell |
| ***Spill Name:*** | King George Barge 8, Silver Bay Logging | | |
| ***Source Type:*** | Heavy Equipment | | |

***Spill Detail(s)***

| | | | |
|---|---|---|---|
| ***Substance Subtype:*** | Hydraulic Oil | ***Cause Subtype:*** | Line Failure |
| ***Quantity Released:*** | 5.000 | ***Cause Type:*** | Structural/Mechanical |
| ***Substance Unit:*** | Gallons | ***Affiliate Role:*** | Primary Responsible Party |
| ***Quantity Potential:*** | | ***Substance Type:*** | Noncrude Oil |
| ***Responsible Party:*** | SILVER BAY LOGGING - NO ENTRY, NO ENTRY | | |

# Appendix: Database Descriptions

*Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13 and E1527-21, Section 8.1.8 Sources of Standard Source Information:*

*"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."*

## *Standard Environmental Record Sources*

### *Federal*

***Formerly Utilized Sites Remedial Action Program:*** DOE FUSRAP

The U.S. Department of Energy (DOE) established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from the Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations. The DOE Office of Legacy Management (LM) established long-term surveillance and maintenance (LTS&M) requirements for remediated FUSRAP sites. DOE evaluates the final site conditions of a remediated site on the basis of risk for different future uses. DOE then confirms that LTS&M requirements will maintain protectiveness.

***Government Publication Date: Mar 4, 2017***

***National Priority List:*** NPL

Sites on the United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

***Government Publication Date: May 25, 2022***

***National Priority List - Proposed:*** PROPOSED NPL

Sites proposed - by the EPA, the state agency, or concerned citizens - for addition to the NPL due to contamination by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

***Government Publication Date: May 25, 2022***

***Deleted NPL:*** DELETED NPL

Sites deleted from the United States Environmental Protection Agency (EPA)'s National Priorities List. 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. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

***Government Publication Date: May 25, 2022***

***SEMS List 8R Active Site Inventory:*** SEMS

The Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted.

***Government Publication Date: Jun 30, 2022***

***SEMS List 8R Archive Sites:*** SEMS ARCHIVE

The Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time.

***Government Publication Date: Jun 30, 2022***

***Inventory of Open Dumps, June 1985:*** ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

***Government Publication Date: Jun 1985***

***EPA Report on the Status of Open Dumps on Indian Lands:*** IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

***Government Publication Date: Dec 31, 1998***

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

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

***Government Publication Date: Oct 25, 2013***

***CERCLIS - No Further Remedial Action Planned:*** CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

***Government Publication Date: Oct 25, 2013***

***CERCLIS Liens:*** CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA). This database was provided by the United States Environmental Protection Agency (EPA). Refer to SEMS LIEN as the current data source for Superfund Liens.

***Government Publication Date: Jan 30, 2014***

***RCRA CORRACTS-Corrective Action:*** RCRA CORRACTS

RCRA Info 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. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

***Government Publication Date: Jun 27, 2022***

***RCRA non-CORRACTS TSD Facilities:*** RCRA TSD

RCRA Info 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. This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

***Government Publication Date: Jun 27, 2022***

***RCRA Generator List:*** RCRA LQG

RCRA Info 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

***Government Publication Date: Jun 27, 2022***

***RCRA Small Quantity Generators List:*** RCRA SQG

RCRA Info is the 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

***Government Publication Date: Jun 27, 2022***

***RCRA Very Small Quantity Generators List:*** RCRA VSQG

RCRA Info is the 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. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

***Government Publication Date: Jun 27, 2022***

***RCRA Non-Generators:*** RCRA NON GEN

RCRA Info 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

***Government Publication Date: Jun 27, 2022***

***RCRA Sites with Controls:*** RCRA CONTROLS

List of Resource Conservation and Recovery Act (RCRA) facilities with institutional controls in place. RCRA gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances.

***Government Publication Date: Jun 27, 2022***

***Federal Engineering Controls-ECs:*** FED ENG

Engineering controls (ECs) encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. This database is made available by the United States Environmental Protection Agency (EPA).

***Government Publication Date: May 25, 2022***

***Federal Institutional Controls- ICs:*** FED INST

Institutional controls are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's (United States Environmental Protection Agency ) expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site.

***Government Publication Date: May 25, 2022***

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

The LUCIS database is maintained by the U.S. Department of the Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

***Government Publication Date: Sep 1, 2006***

***Institutional Control Boundaries at NPL sites:*** NPL IC

Boundaries of Institutional Control areas at sites on the United States Environmental Protection Agency (EPA)'s National Priorities List, or Proposed or Deleted, made available by the EPA's Shared Enterprise Geodata and Services (SEGS). United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. Institutional controls are non-engineered instruments such as administrative and legal controls that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy.

***Government Publication Date: May 25, 2022***

***Emergency Response Notification System:*** ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

***Government Publication Date: 1982-1986***

***Emergency Response Notification System:*** ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

***Government Publication Date: 1987-1989***

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

Database of oil and hazardous substances spill reports made available by the United States Coast Guard National Response Center (NRC). The NRC fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. These data contain initial incident data that has not been validated or investigated by a federal/state response agency.

***Government Publication Date: Jun 5, 2022***

***The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database:*** FED BROWNFIELDS

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 protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This database is made available by the United States Environmental Protection Agency (EPA).

***Government Publication Date: Aug 20, 2021***

***FEMA Underground Storage Tank Listing:*** FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

***Government Publication Date: Dec 31, 2017***

***Facility Response Plan:*** FRP

List of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

***Government Publication Date: Dec 31, 2021***

***Delisted Facility Response Plans:*** DELISTED FRP

Facilities that once appeared in - and have since been removed from - the list of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

***Government Publication Date: Dec 31, 2021***

***Historical Gas Stations:*** HIST GAS STATIONS

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

***Government Publication Date: Jul 1, 1930***

***Petroleum Refineries:*** REFN

List of petroleum refineries from the U.S. Energy Information Administration (EIA) Refinery Capacity Report. Includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U.S. possessions. Survey locations adjusted using public data.

***Government Publication Date: Feb 4, 2022***

***Petroleum Product and Crude Oil Rail Terminals:*** BULK TERMINAL

List of petroleum product and crude oil rail terminals made available by the U.S. Energy Information Administration (EIA). Includes operable bulk petroleum product terminals located in the 50 States and the District of Columbia with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil that were active between 2017 and 2018. Petroleum product terminals comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings. Survey locations adjusted using public data.

***Government Publication Date: Feb 4, 2022***

***LIEN on Property:*** SEMS LIEN

The EPA Superfund Enterprise Management System (SEMS) provides LIEN information on properties under the EPA Superfund Program.

***Government Publication Date: Jun 30, 2022***

***Superfund Decision Documents:*** SUPERFUND ROD

This database contains a listing of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD), along with other associated memos and files. This information is maintained and made available by the US EPA (Environmental Protection Agency).

***Government Publication Date: Jul 26, 2022***

## *State*

***Contaminated Sites Program Database:*** SHWS

A list of current and past Contaminated Sites and Leaking Underground Storage Tank (LUST) sites in the state of Alaska. This list has been made available by Alaska Department of Environmental Conservation (ADEC) Contaminated Sites Program. This database is state equivalent CERCLIS.

***Government Publication Date: Sep 26, 2022***

***Delisted Contaminated Sites Program Database:*** DELISTED SHWS

This database contains a list of closed Contaminated Sites and Leaking Underground Storage Tank sites that were removed from the Alaska Department of Environmental Conservation (ADEC) Contaminated Sites Program.

***Government Publication Date: Sep 26, 2022***

***Solid Waste Information Management System Database:*** SWF/LF

List of sites in the Alaska Department of Environmental Conservation (ADEC) Solid Waste Program's Solid Waste Information Management System (SWIMS), which contains information on landfills, solid waste treatment facilities, and solid waste storage facilities in Alaska.

***Government Publication Date: Mar 16, 2022***

***Leaking Underground Storage Tanks Site List:*** LUST

A list of Leaking Underground Storage Tank (LUST) sites in the state of Alaska. This list has been made available by Alaska Department of Environmental Conservation (ADEC) Contaminated Sites Program.

***Government Publication Date: Sep 26, 2022***

***Delisted Leaking Storage Tanks:*** DELISTED LST

List of leaking storage tank sites that once appeared on - and have since been removed from - the Alaska Department of Environmental Conservation (ADEC) Contaminated Sites Program.

***Government Publication Date: Sep 26, 2022***

***Underground Storage Tanks Site List:*** UST

A list of facilities with Underground Storage Tanks (USTs) registered with Industry Preparedness Program of the Division Spill Prevention and Response (SPAR) in the state of Alaska. This list has been made available by Alaska Department of Environmental Conservation.

***Government Publication Date: Jun 15, 2022***

***Bulk Fuel Inventory:*** TANK

List of locations found in the Bulk Fuel Inventory made available by the Alaska Division of Community and Regional Affairs (DCRA). The inventory is comprised of records provided by different agencies which will eventually serve as a comprehensive list of all bulk fuel facilities currently known in Alaska. DRCA notes that the locations of bulk fuel facilities as noted by the points may not be in the exact location, and that the list is not yet comprehensive.

***Government Publication Date: Jul 5, 2022***

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

List of regulated terminal facilities with regulated aboveground storage tanks in Alaska made available by the Spill Prevention and Response Division of the Alaska Department of Environmental Conservation. Regulated tanks are greater than 10,000 gallons in storage capacity and are located on regulated facilities. Includes Noncrude Terminal Facility and Crude Terminals. Some site location addresses are owner or head office addresses which may or may not coincide with the physical location of the tank(s).

***Government Publication Date: Sep 21, 2020***

***Delisted Storage Tanks:*** DTNK

This database contains a list of storage tank sites that were removed from the Industry Preparedness Program of the Division Spill Prevention and Response (SPAR), Alaska Department of Environmental Conservation.

***Government Publication Date: Jul 5, 2022***

***Sites with Engineering Controls:*** ENG

List of sites in the Alaska Department of Environmental Conservation (ADEC)'s Contaminated Sites Program database at which there are engineering controls.

***Government Publication Date: Sep 26, 2022***

***Sites with Institutional Controls:*** INST

List of sites in the Alaska Department of Environmental Conservation (ADEC)'s Contaminated Sites Program database at which there are institutional controls.

***Government Publication Date: Sep 26, 2022***

***Voluntary Cleanup Program Sites:*** VCP

A list of sites that participated in the Voluntary Cleanup Program (VCP) in Alaska, which is no longer active in the state. This list has been made available by Alaska Department of Environmental Conservation (ADEC) Contaminated Sites Program.

***Government Publication Date: Jun 28, 2013***

***Brownfields:*** BROWNFIELDS

A list of Brownfields sites in the state of Alaska, made available by the Alaska Department of Environmental Conservation. Any property potentially contaminated, previously contaminated, or perceived by a community to be contaminated with hazardous substances, including petroleum products, may be eligible for assistance from the State of Alaska to support reuse and revitalization efforts.

***Government Publication Date: Oct 1, 2021***

## *Tribal*

***Leaking Underground Storage Tanks (LUST) on Indian Lands:*** INDIAN LUST

LUSTs on Tribal/Indian Lands in Region 10, which includes Alaska.

***Government Publication Date: Apr 20, 2022***

***Underground Storage Tanks (USTs) on Indian Lands:*** INDIAN UST

USTs on Tribal/Indian Lands in Region 10, which includes Alaska.

***Government Publication Date: Apr 20, 2022***

***Delisted Tribal Leaking Storage Tanks:*** DELISTED ILST

Leaking Underground Storage Tank facilities which have been removed from the Regional Tribal LUST lists made available by the EPA.

***Government Publication Date: Apr 20, 2022***

***Delisted Tribal Underground Storage Tanks:*** DELISTED IUST

Underground Storage Tank facilities which have been removed from the Regional Tribal UST lists made available by the EPA.

***Government Publication Date: Apr 20, 2022***

### *County*

***No County standard environmental record sources available for this State.***

## *Additional Environmental Record Sources*

### *Federal*

***Facility Registry Service/Facility Index:*** FINDS/FRS

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the Environmental Protection Agency (US EPA).

***Government Publication Date: Nov 2, 2020***

***Toxics Release Inventory (TRI) Program:*** TRIS

The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U. S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.

***Government Publication Date: Aug 24, 2021***

***Perfluorinated Alkyl Substances (PFAS) Releases:*** PFAS TRI

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a Per- or polyfluorinated alkyl substance (PFAS) included in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances. The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment.

***Government Publication Date: Aug 24, 2021***

***PFOA/PFOS Contaminated Sites:*** PFAS NPL

List of National Priorities List (NPL) and related Superfund Alternative Agreement (SAA) sites where PFOA or PFOS contaminants have been found in water and/or soil. The site listing is provided by the Federal Environmental Protection Agency (EPA).

***Government Publication Date: Jul 18, 2022***

***Perfluorinated Alkyl Substances (PFAS) Water Quality:*** PFAS WATER

The Water Quality Portal (WQP) is a cooperative service sponsored by the United States Geological Survey (USGS), the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC). This listing includes records from the Water Quality Portal where the characteristic (environmental measurement) is in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances.

***Government Publication Date: Jul 20, 2020***

***SSEHRI PFAS Contamination Sites:*** PFAS SSEHRI

This PFAS Contamination Site Tracker database is compiled by the Social Science Environmental Health Research Institute (SSEHRI) at Northeastern University. According to the SSEHRI, the database records qualitative and quantitative data from each known site of PFAS contamination, including timeline of discovery, sources, levels, health impacts, community response, and government response. The goal of this database is to compile information and support public understanding of the rapidly unfolding issue of PFAS contamination. All data presented was extracted from government websites, news articles, or publicly available documents, and this is cited in the tracker. Disclaimer: The source conveys this database undergoes regular updates as new information becomes available, some sites may be missing and/or contain information that is incorrect or outdated, as well as their information represents all contamination sites SSEHRI is aware of, not all possible contamination sites. This data is not intended to be used for legal purposes. Limited location details are available with this data. Access the following for the most current informations https://pfasproject.com/pfas-contamination-site-tr acker/

***Government Publication Date: Dec 12, 2019***

***National Response Center PFAS Spills:*** ERNS PFAS

National Response Center (NRC) calls from 1990 to the most recent complete calendar year where there is indication of Aqueous Film Forming Foam (AFFF) usage. NRC calls may reference AFFF usage in the "Material Involved" or "Incident Description" fields. Data made available by the US Environmental Protection Agency (EPA). Disclaimer: dataset may include initial or misidentified incident data not yet validated or investigated by a federal/state response agency.

***Government Publication Date: Feb 23, 2022***

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

US DOT - Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) Incidents Reports Database taken from Hazmat Intelligence Portal, U.S. Department of Transportation.

***Government Publication Date: Sep 1, 2020***

***National Clandestine Drug Labs:*** NCDL

The U.S. Department of Justice ("the Department") provides this data 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.

***Government Publication Date: Apr 30, 2022***

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

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).

***Government Publication Date: Apr 11, 2019***

***Hist TSCA:*** HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

***Government Publication Date: Dec 31, 2006***

***FTTS Administrative Case Listing:*** FTTS ADMIN

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

***Government Publication Date: Jan 19, 2007***

***FTTS Inspection Case Listing:*** FTTS INSP

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

***Government Publication Date: Jan 19, 2007***

***Potentially Responsible Parties List:*** PRP

Early in the cleanup process, the Environmental Protection Agency (EPA) conducts a search to find the potentially responsible parties (PRPs). EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site.

***Government Publication Date: Jul 26, 2022***

***State Coalition for Remediation of Drycleaners Listing:*** SCRD DRYCLEANER

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin. Since 2017, the SCRD no longer maintains this data, refer to applicable state source data where available.
***Government Publication Date: Nov 08, 2017***

***Integrated Compliance Information System (ICIS):*** ICIS

The Integrated Compliance Information System (ICIS) is a system that provides information for the Federal Enforcement and Compliance (FE&C) and the National Pollutant Discharge Elimination System (NPDES) programs. The FE&C component supports the Environmental Protection Agency's (EPA) Civil Enforcement and Compliance program activities. These activities include Compliance Assistance, Compliance Monitoring and Enforcement. The NPDES program supports tracking of NPDES permits, limits, discharge monitoring data and other program reports.
***Government Publication Date: Apr 30, 2022***

***Drycleaner Facilities:*** FED DRYCLEANERS

A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) online search. The Environmental Protection Agency (EPA) tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.
***Government Publication Date: Jun 25, 2022***

***Delisted Drycleaner Facilities:*** DELISTED FED DRY

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).
***Government Publication Date: Jun 25, 2022***

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

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DoD) is responsible for an environmental restoration. This list is published by the U.S. Army Corps of Engineers.
***Government Publication Date: May 26, 2021***

***Former Military Nike Missile Sites:*** FORMER NIKE

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.
***Government Publication Date: Dec 2, 1984***

***PHMSA Pipeline Safety Flagged Incidents:*** PIPELINE INCIDENT

A list of flagged pipeline incidents made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types.
***Government Publication Date: Jul 7, 2020***

***Material Licensing Tracking System (MLTS):*** MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.
***Government Publication Date: May 11, 2021***

***Historic Material Licensing Tracking System (MLTS) sites:*** HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.
***Government Publication Date: Jan 31, 2010***

***Mines Master Index File:*** MINES

The Master Index File (MIF) is provided by the United State Department of Labor, Mine Safety and Health Administration (MSHA). This file, which was originally created in the 1970's, contained many Mine-IDs that were invalid. MSHA removes invalid IDs from the MIF upon discovery. MSHA applicable data includes the following: all Coal and Metal/Non-Metal mines under MSHA's jurisdiction since 1/1/1970; mine addresses for all mines in the database except for Abandoned mines prior to 1998 from MSHA's legacy system (addresses may or may not correspond with the physical location of the mine itself); violations that have been assessed penalties as a result of MSHA inspections beginning on 1/1/2000; and violations issued as a result of MSHA inspections conducted beginning on 1/1/2000.

***Government Publication Date: Aug 3, 2022***

***Surface Mining Control and Reclamation Act Sites:*** SMCRA

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by the Office of Surface Mining Reclamation and Enforcement (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 Abandoned Mine Land (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 Publication Date: Aug 18, 2022***

***Mineral Resource Data System:*** MRDS

The Mineral Resource Data System (MRDS) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps.

***Government Publication Date: Mar 15, 2016***

***Uranium Mill Tailings Radiation Control Act Sites:*** URANIUM

The Legacy Management Office of the Department of Energy (DOE) manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The L.M. Office manages this database of sites registered under the Uranium Mill Tailings Control Act (UMTRCA).

***Government Publication Date: Mar 4, 2017***

***Alternative Fueling Stations:*** ALT FUELS

List of alternative fueling stations made available by the US Department of Energy's Office of Energy Efficiency & Renewable Energy. Includes Biodiesel stations, Ethanol (E85) stations, Liquefied Petroleum Gas (Propane) stations, Ethanol (E85) stations, Natural Gas stations, Hydrogen stations, and Electric Vehicle Supply Equipment (EVSE). The National Renewable Energy Laboratory (NREL) obtains information about new stations from trade media, Clean Cities coordinators, a Submit New Station form on the Station Locator website, and through collaborating with infrastructure equipment and fuel providers, original equipment manufacturers (OEMs), and industry groups.

***Government Publication Date: Aug 1, 2022***

***Superfunds Consent Decrees:*** CONSENT DECREES

A list of Superfund consent decrees made available by the Department of Justice, Environment & Natural Resources Division (ENRD).

***Government Publication Date: May 18, 2022***

***Air Facility System:*** AFS

This EPA retired Air Facility System (AFS) dataset contains emissions, compliance, and enforcement data on stationary sources of air pollution. Regulated sources cover a wide spectrum; from large industrial facilities to relatively small operations such as dry cleaners. AFS does not contain data on facilities that are solely asbestos demolition and/or renovation contractors, or landfills. ECHO Clean Air Act data from AFS are frozen and reflect data as of October 17, 2014; the EPA retired this system for Clean Air Act stationary sources and transitioned to ICIS-Air.

***Government Publication Date: Oct 17, 2014***

***Registered Pesticide Establishments:*** SSTS

List of active EPA-registered foreign and domestic pesticide-producing and device-producing establishments based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that facilities producing pesticides, active ingredients, or devices be registered. The list of establishments is made available by the EPA.

***Government Publication Date: Mar 30, 2022***

***Polychlorinated Biphenyl (PCB) Transformers:*** PCBT

Locations of Transformers Containing Polychlorinated Biphenyls (PCBs) registered with the United States Environmental Protection Agency. PCB transformer owners must register their transformer(s) with EPA. Although not required, PCB transformer owners who have removed and properly disposed of a registered PCB transformer may notify EPA to have their PCB transformer de-registered. Data made available by EPA.
***Government Publication Date: Oct 15, 2019***

***Polychlorinated Biphenyl (PCB) Notifiers:*** PCB
Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.
***Government Publication Date: Jul 28, 2022***

## *State*

***Spill Prevention and Response Online Spills Database:*** SPILLS
Statewide Oil and Hazardous Substance Spills Database that contains records between July 1, 1995 to present. Records for spills prior to July 1, 1995 exist in the database but may not be accurate or complete. This list has been made available by Alaska Department of Environmental Conservation (ADEC) Division of Spill Prevention and Response.
***Government Publication Date: Jul 26, 2022***

***Per- and Polyfluoroalkyl Substances (PFAS) Contaminated Sites:*** PFAS
An inventory of sites where Per- and Polyfluoroalkyl Substances (PFAS) contamination has been identified in soil and water. This listing is made available by the Alaska Department of Environmental Conservation (ADEC) Division of Spill Prevention and Response. In 2016, the ADEC published cleanup levels for PFOS and PFOA. In 2018, the ADEC set action levels for six PFAS compounds, including PFOS and PFOA. In Alaska, when PFAS contamination is found in the environment, the responsible party must evaluate the extent of the contamination in the soil and groundwater, determine whether and to what extent drinking water supplies are impacted, provide treatment or alternative water if action levels are exceeded, and begin cleanup with ADEC's oversight.
***Government Publication Date: Jul 15, 2022***

***Illegal Drug Manufacturing Sites List:*** CDL
A list of the properties that have been identified as illegal drug manufacturing sites by Alaska law enforcement agencies. This list has been made available by Alaska Department of Environmental Conservation.
***Government Publication Date: Jul 25, 2022***

***Dry Cleaning Facilities:*** DRYCLEANERS
A list of laundry/dry cleaner sites in Alaska. This list is provided by the Department of Environmental Conservation.
***Government Publication Date: Apr 21, 2022***

***Delisted Dry Cleaning Facilities:*** DELISTED DRYCLEANERS
A list of laundry/dry cleaner sites that are removed from the Department of Environmental Conservation in Alaska.
***Government Publication Date: Apr 21, 2022***

## *Tribal*

***No Tribal additional environmental record sources available for this State.***

## *County*

***No County additional environmental record sources available for this State.***

# Definitions

***Database Descriptions:*** This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

***Detail Report***: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

***Distance:*** The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

***Direction:*** The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

***Elevation:*** The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

***Executive Summary:*** This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

***Map Key:*** The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

***Unplottables:*** These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

# CITY DIRECTORY

| | |
|---|---|
| **Project Property:** | *Wrangell Mill*<br>*Wrangell Mill*<br>*Wrangell,AK* |
| **Project No:** | *110055-001* |
| **Requested By:** | *Shannon & Wilson, Inc.* |
| **Order No:** | *22093000437* |
| **Date Completed:** | *October 04, 2022* |

**Environmental Risk Information Services**
*A division of Glacier Media Inc.*
1.866.517.5204 | info@erisinfo.com | erisinfo.com

October 04, 2022
RE: CITY DIRECTORY RESEARCH
Wrangell Mill
Wrangell,AK

Thank you for contacting ERIS for an City Directory Search for the site described above. Our staff has conducted a reverse listing City Directory search to determine prior occupants of the subject site and adjacent properties. We have provided the nearest addresses(s) when adjacent addresses are not listed. If we have searched a range of addresses, all addresses in that range found in the Directory are included.

Note: Reverse Listing Directories generally are focused on more highly developed areas. Newly developed areas may be covered in the more recent years, but the older directories will tend to cover only the "central" parts of the city. To complete the search, we have either utilized the ACPL, Library of Congress, State Archives, and/or a regional library or history center as well as multiple digitized directories. These do not claim to be a complete collection of all reverse listing city directories produced.

ERIS has made every effort to provide accurate and complete information but shall not be held liable for missing, incomplete or inaccurate information. To complete this search we used the general range(s) below to search for relevant findings. If you believe there are additional addresses or streets that require searching please contact us at 866-517-5204.

**Search Criteria:**
ALL of Moritz Drive
Mile 5-Mile 8 of Zimovia Highway
**Search Notes:**

## Search Results Summary

| Date | Source | Comment |
|---|---|---|
| 2020 | DIGITAL BUSINESS DIRECTORY | |
| 2016 | DIGITAL BUSINESS DIRECTORY | |
| 2011 | DIGITAL BUSINESS DIRECTORY | |
| 2008 | DIGITAL BUSINESS DIRECTORY | |
| 2003 | DIGITAL BUSINESS DIRECTORY | |
| 2000 | DIGITAL BUSINESS DIRECTORY | |
| 1998 | DIGITAL BUSINESS DIRECTORY | |
| 1996 | POLKS | |

## 2020 MORITZ DRIVE

*SOURCE: DIGITAL BUSINESS DIRECTORY*

**NO LISTING FOUND**

## 2020 ZIMOVIA HIGHWAY

*SOURCE: DIGITAL BUSINESS DIRECTORY*

| | | |
|---|---|---|
| 5 | **ALASKA PEAK SEAS...** | *TOURS-OPERATORS & PROMOTERS* |
| 5 | **ALASKA PEAK & SEAS...** | *BOATS-RENTAL & CHARTER* |
| 5 | **ALASKA PEAK-SEAS...** | *BOATS-RENTAL & CHARTER* |
| 6 | **SILVER BAY LOGGING INC...** | *LOGGING COMPANIES (MFRS)* |

## 2016 MORITZ DRIVE

*SOURCE: DIGITAL BUSINESS DIRECTORY*

**NO LISTING FOUND**

## 2016 ZIMOVIA HIGHWAY

*SOURCE: DIGITAL BUSINESS DIRECTORY*

5 **ALASKA PEAK & SEAS**...*BOATS-RENTAL & CHARTER*
5 **WRANGELL SECURITY**...*SECURITY GUARD & PATROL SERVICE*
6 **SILVER BAY LOGGING INC**...*LOGGING COMPANIES (MFRS)*

## 2011 MORITZ DRIVE

*SOURCE: DIGITAL BUSINESS DIRECTORY*

**NO LISTING FOUND**

## 2011 ZIMOVIA HIGHWAY

*SOURCE: DIGITAL BUSINESS DIRECTORY*

5 **GOLDEN THIMBLE**...*ALTERATIONS-CLOTHING*
6 **SILVER BAY LOGGING INC**...*LOGGING COMPANIES*
6 **SIMPLY STERLING**...*JEWELRY DESIGNERS*
8 **BLISS DESIGN**...*SCREEN PRINTING*

## 2008 MORITZ DRIVE

*SOURCE: DIGITAL BUSINESS DIRECTORY*

**NO LISTING FOUND**

## 2008 ZIMOVIA HIGHWAY

*SOURCE: DIGITAL BUSINESS DIRECTORY*

| | |
|---|---|
| 5 | **BRUCE SMITH**...*RESIDENTIAL* |
| 5 | **MARK & YENELL CUMMINGS**...*RESIDENTIAL* |
| 5 | **ROBERT SHILTS**...*RESIDENTIAL* |
| 6 | **DON & DARLENE RILATOS**...*RESIDENTIAL* |
| 6 | **DOUG THOMAS**...*RESIDENTIAL* |
| 6 | **GAIL MEISSNER**...*RESIDENTIAL* |
| 6 | **KEITH & CATHY PORTER**...*RESIDENTIAL* |
| 6 | **PAUL & CAROL RUSHMORE**...*RESIDENTIAL* |
| 6 | **PAUL STUTZ**...*RESIDENTIAL* |
| 6 | **RAY N SMITH**...*RESIDENTIAL* |
| 7 | **DAVID & PAULA RAK**...*RESIDENTIAL* |
| 7 | **JEFF BUSH**...*RESIDENTIAL* |
| 7 | **KITTY & KYLE ANGERMAN**...*RESIDENTIAL* |
| 7 | **MYRON & SUE ST CLAIR**...*RESIDENTIAL* |
| 8 | **DEAN PHILLIPS**...*RESIDENTIAL* |
| 8 | **M & M MICHENER**...*RESIDENTIAL* |
| 8 | **PHILLIP & REBECCA MOORE**...*RESIDENTIAL* |
| 8 | **WILLIAM D MOORE**...*RESIDENTIAL* |

## 2003 MORITZ DRIVE

*SOURCE: DIGITAL BUSINESS DIRECTORY*

**NO LISTING FOUND**

## 2003 ZIMOVIA HIGHWAY

*SOURCE: DIGITAL BUSINESS DIRECTORY*

| | |
|---|---|
| 5 | **DALE MAENHOUT**...*RESIDENTIAL* |
| 5 | **DAVID H JOHNSON**...*RESIDENTIAL* |
| 5 | **E F SARAH**...*RESIDENTIAL* |
| 5 | **EDITH POWELL**...*RESIDENTIAL* |
| 5 | **GEORGE BENSON**...*RESIDENTIAL* |
| 5 | **GLEN & REBECCA SMITH**...*RESIDENTIAL* |
| 5 | **HAROLD BAILEY**...*RESIDENTIAL* |
| 5 | **HEIDI FREDRICKSON**...*RESIDENTIAL* |
| 5 | **JENI OLSON**...*RESIDENTIAL* |
| 5 | **JIM & MARGARETTE BARKER**...*RESIDENTIAL* |
| 5 | **MAUREEN MAXAND**...*RESIDENTIAL* |
| 5 | **RHONDA & SKIP MCKIBBEN**...*RESIDENTIAL* |
| 5 | **RICHARD CROCKETT**...*RESIDENTIAL* |
| 5 | **ROBERT SHILTS**...*RESIDENTIAL* |
| 5 | **ROCKY & BARBARA BEEBE**...*RESIDENTIAL* |
| 5 | **WILLIAM & MARIE HAINES**...*RESIDENTIAL* |
| 6 | **CLAYTON R SR & MARY M EMMOREY**...*RESIDENTIAL* |
| 6 | **DAVID & LUCY TORVEND**...*RESIDENTIAL* |
| 6 | **DON & DARLENE RILATOS**...*RESIDENTIAL* |
| 6 | **DOUG THOMAS**...*RESIDENTIAL* |
| 6 | **KEITH & CATHY PORTER**...*RESIDENTIAL* |
| 6 | **ROBERT ROBBINS**...*RESIDENTIAL* |
| 6 | **SILVER BAY LOGGING INC**...*POLES, POSTS, AND PILINGS: UNTREATED WOOD* |
| 6 | **SIMPLY STERLING** |
| 7 | **BILL A GROVER**...*RESIDENTIAL* |
| 7 | **K EDENSO**...*RESIDENTIAL* |
| 8 | **DAVID & SHARLENE JOSEPH**...*RESIDENTIAL* |
| 8 | **DONALD JR & CYNTHIA HOTCH**...*RESIDENTIAL* |
| 8 | **ERNEST L BLISS**...*RESIDENTIAL* |
| 8 | **JANE ALLDRIDGE**...*RESIDENTIAL* |
| 8 | **JOHN & SANDI CALVERT**...*RESIDENTIAL* |
| 8 | **LANCE & SHARI MIETHE**...*RESIDENTIAL* |

## 2000 MORITZ DRIVE

*SOURCE: DIGITAL BUSINESS DIRECTORY*

**NO LISTING FOUND**

## 2000 ZIMOVIA HIGHWAY

*SOURCE: DIGITAL BUSINESS DIRECTORY*

| | |
|---|---|
| 5 | **BOB'S BACKHOE SVC** |
| 5 | **DALE MAENHOUT**...*RESIDENTIAL* |
| 5 | **DAVE HOUGHT**...*RESIDENTIAL* |
| 5 | **DAVID H JOHNSON**...*RESIDENTIAL* |
| 5 | **DONALD STEVENS**...*RESIDENTIAL* |
| 5 | **E F/V SARAH**...*RESIDENTIAL* |
| 5 | **EDITH POWELL**...*RESIDENTIAL* |
| 5 | **GEORGE BENSON**...*RESIDENTIAL* |
| 5 | **GLEN SMITH**...*RESIDENTIAL* |
| 5 | **HAROLD BAILEY**...*RESIDENTIAL* |
| 5 | **JIM & MARGARETTE BARKER**...*RESIDENTIAL* |
| 5 | **JIM BARKER**...*RESIDENTIAL* |
| 5 | **RHONDA MCKIBBEN**...*RESIDENTIAL* |
| 5 | **RICHARD OVREBO**...*RESIDENTIAL* |
| 5 | **ROBERT SHILTS**...*RESIDENTIAL* |
| 5 | **SHANN & SHEILA GALUZA**...*RESIDENTIAL* |
| 5 | **WILLIAM HAINES**...*RESIDENTIAL* |
| 6 | **DAVID & LUCY TORVEND**...*RESIDENTIAL* |
| 6 | **DON & DARLENE RILATOS**...*RESIDENTIAL* |
| 6 | **DOUG THOMAS**...*RESIDENTIAL* |
| 6 | **KEITH & CATHY PORTER**...*RESIDENTIAL* |
| 6 | **SIMPLY STERLING** |
| 7 | **K EDENSO**...*RESIDENTIAL* |
| 8 | **DAVID & SHARLENE JOSEPH**...*RESIDENTIAL* |
| 8 | **G HAMM**...*RESIDENTIAL* |
| 8 | **LANCE & SHARI MIETHE**...*RESIDENTIAL* |
| 8 | **TED BYFORD**...*RESIDENTIAL* |

## 1998 MORITZ DRIVE

*SOURCE: DIGITAL BUSINESS DIRECTORY*

**NO LISTING FOUND**

## 1998 ZIMOVIA HIGHWAY

*SOURCE: DIGITAL BUSINESS DIRECTORY*

**NO LISTING FOUND**

## 1996 MORITZ DRIVE

*SOURCE: POLKS*

**STREET NOT LISTED**

## 1996 ZIMOVIA HIGHWAY

*SOURCE: POLKS*

**RANGE NOT LISTED**

# FIRE INSURANCE MAPS

| | |
|---|---|
| **Project Property:** | Wrangell Mill<br>Wrangell Mill<br>Wrangell AK |
| **Project No:** | 110055-001 |
| **Requested By:** | Shannon & Wilson, Inc. |
| **Order No:** | 22093000437 |
| **Date Completed:** | October 01, 2022 |

**Please note that no information was found for your site or adjacent properties.**

**Environmental Risk Information Services**
*A division of Glacier Media Inc.*
1.866.517.5204 | info@erisinfo.com | erisinfo.com

PSR
PHYSICAL SETTING REPORT

# Property Information

| | | |
|---|---|---|
| Order Number: | | 22093000437p |
| Date Completed: | | October 1, 2022 |
| Project Number: | | 110055-001 |
| Project Property: | | Wrangell Mill<br>Wrangell Mill Wrangell AK |
| Coordinates: | | |
| | Latitude: | 56.39598231 |
| | Longitude: | -132.34062318 |
| | UTM Northing: | 6253326.30119 Meters |
| | UTM Easting: | 664136.843957 Meters |
| | UTM Zone: | UTM Zone 08V |
| | Elevation: | 0.82 ft |
| | Slope Direction: | WSW |



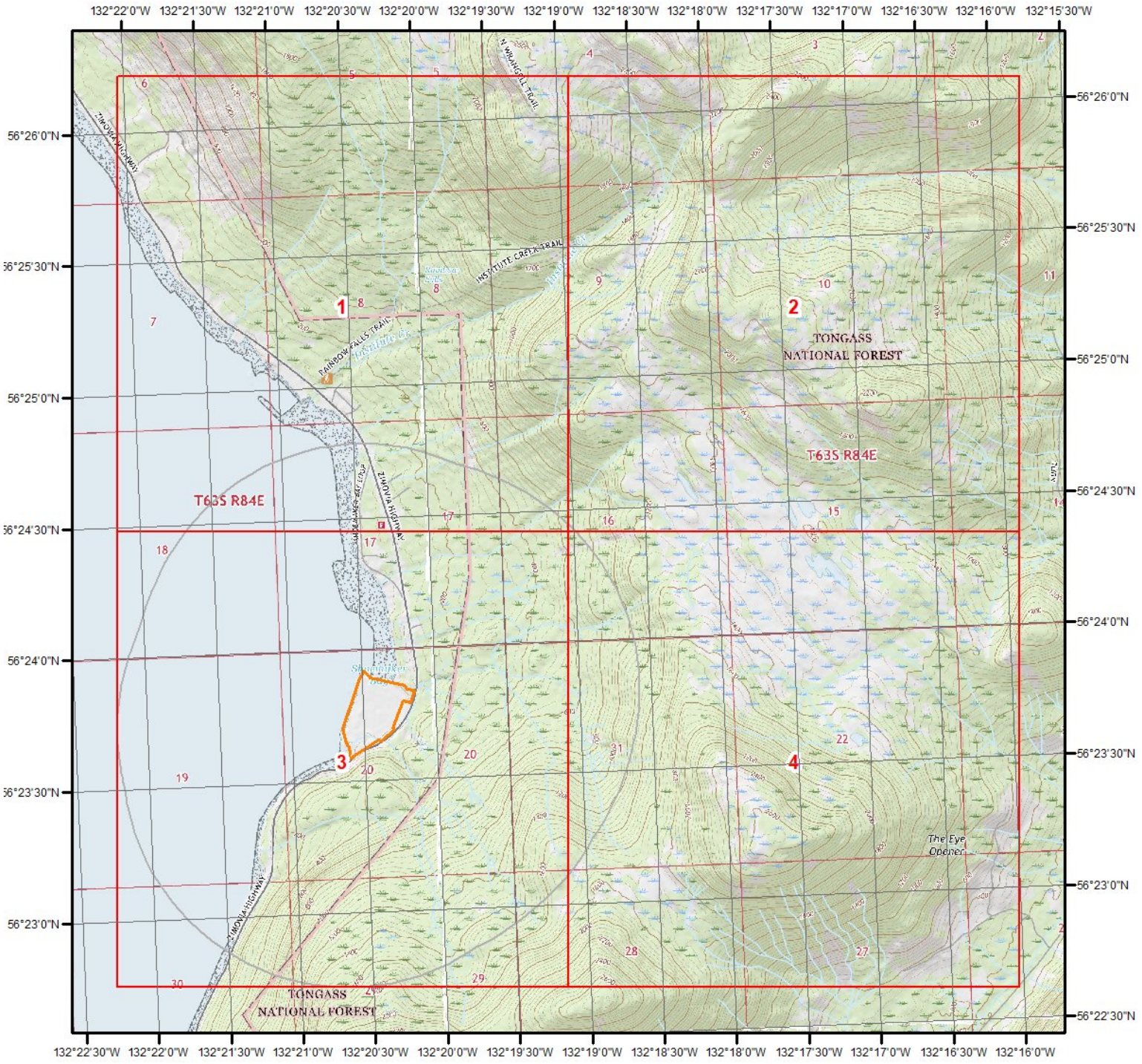
The ERIS ***Physical Setting Report - PSR*** provides comprehensive information about the physical setting around a site and includes a complete overview of topography and surface topology, in addition to hydrologic, geologic and soil characteristics. The location and detailed attributes of oil and gas wells, water wells, public water systems and radon are also included for review.

The compilation of both physical characteristics of a site and additional attribute data is useful in assessing the impact of migration of contaminants and subsequent impact on soils and groundwater.

**Disclaimer**

This Report does not provide a full environmental evaluation for the site or adjacent properties. Please see the terms and disclaimer at the end of the Report for greater detail.

## Topographic Information




# Current USGS Topo (2017)

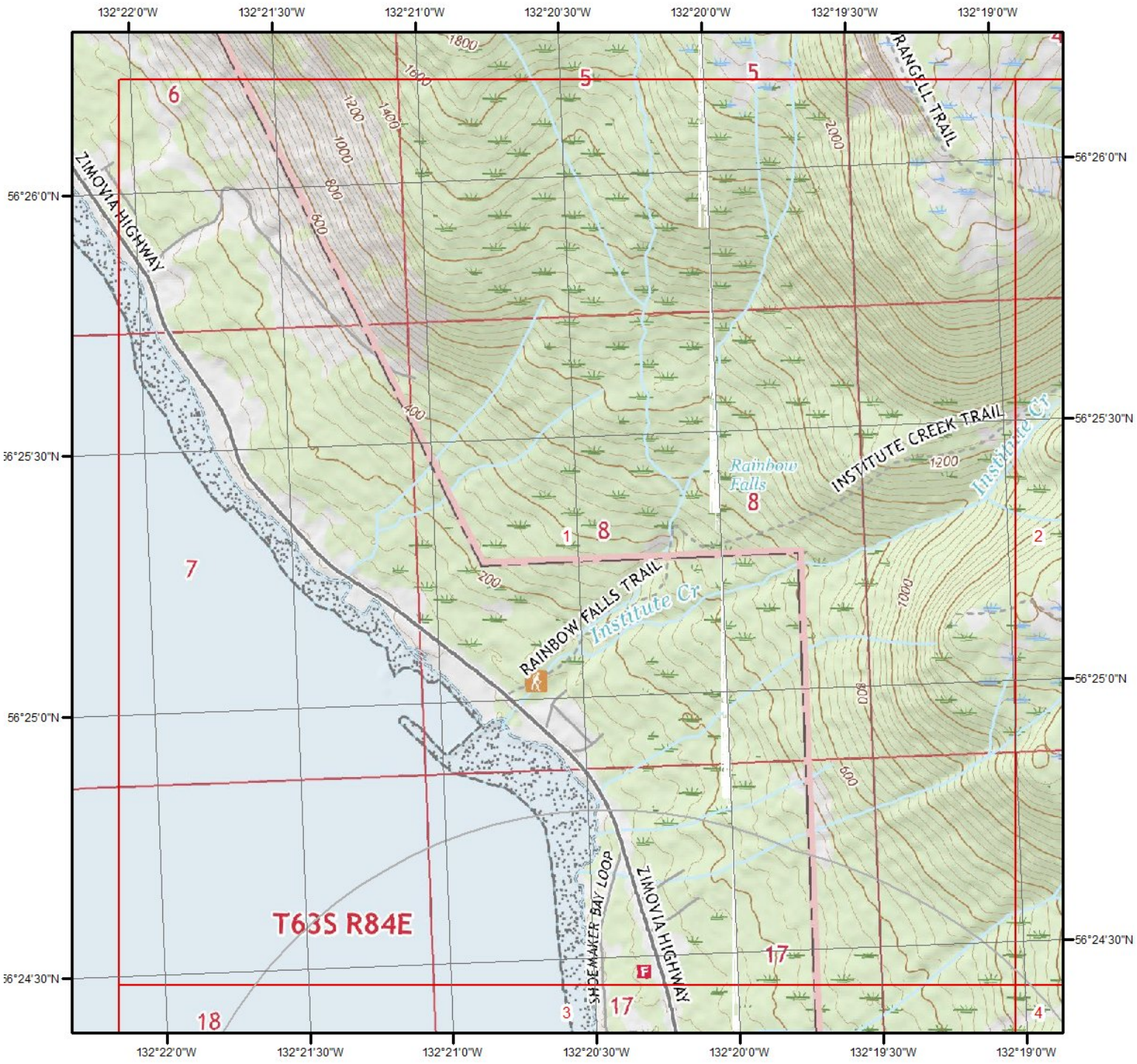
0 0.2 0.4 0.8 1.2 1.6 Miles

N

**Quadrangle(s): Petersburg B-1 NW,AK; Petersburg B-1 SW,AK; Petersburg B-2 NE,AK; Petersburg B-2 SE,AK**

Source: USGS 7.5 Minute Topographic Map

## Topographic Information




**Current USGS Topo - Page 1**

0 0.2 0.4 0.8 Miles

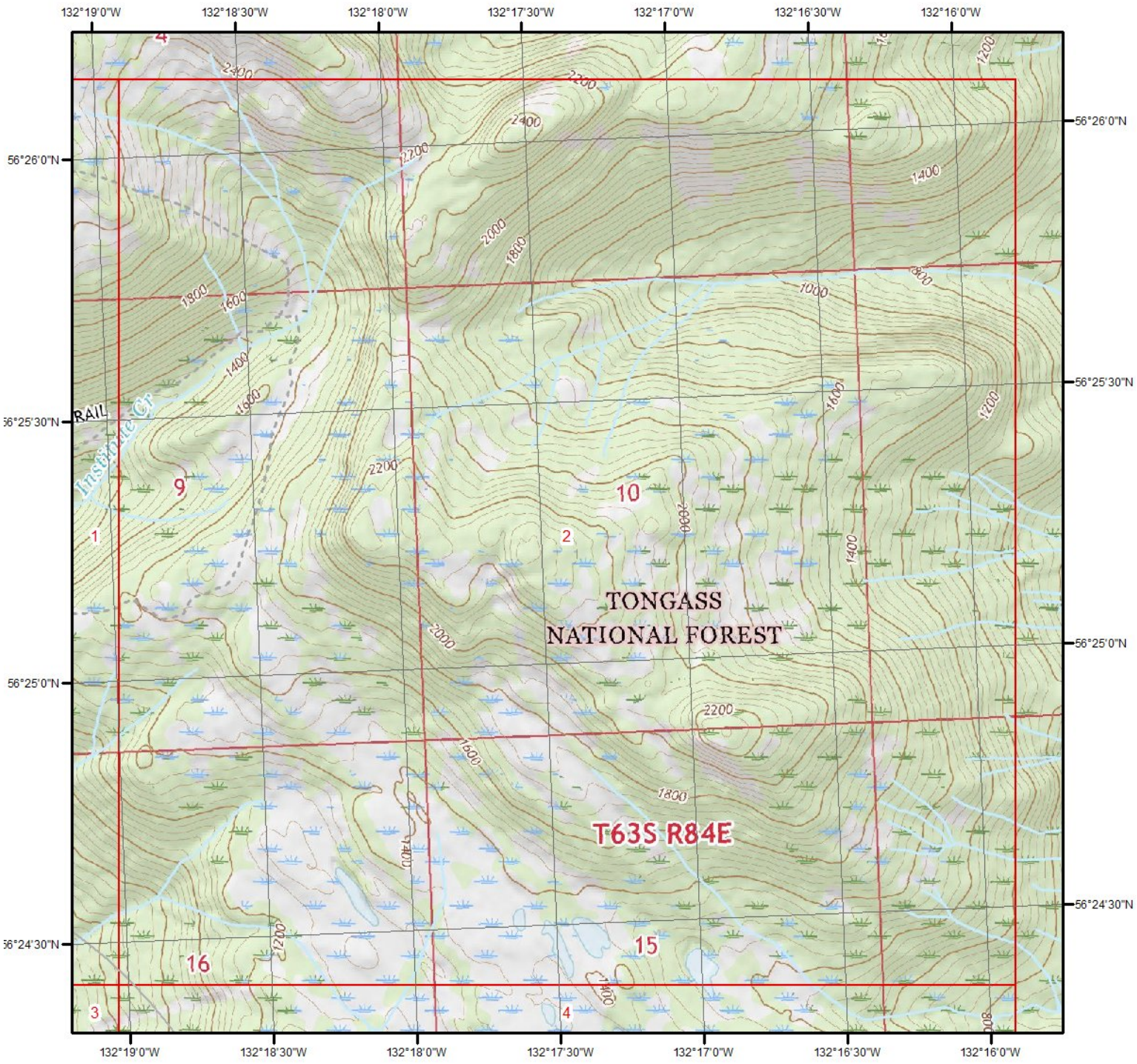
N

**Quadrangle(s): Petersburg B-1 NW,AK; Petersburg B-2 NE,AK**

ERIS

Source: USGS 7.5 Minute Topographic Map

## Topographic Information




**Current USGS Topo - Page 2**

0 0.2 0.4 0.8 Miles

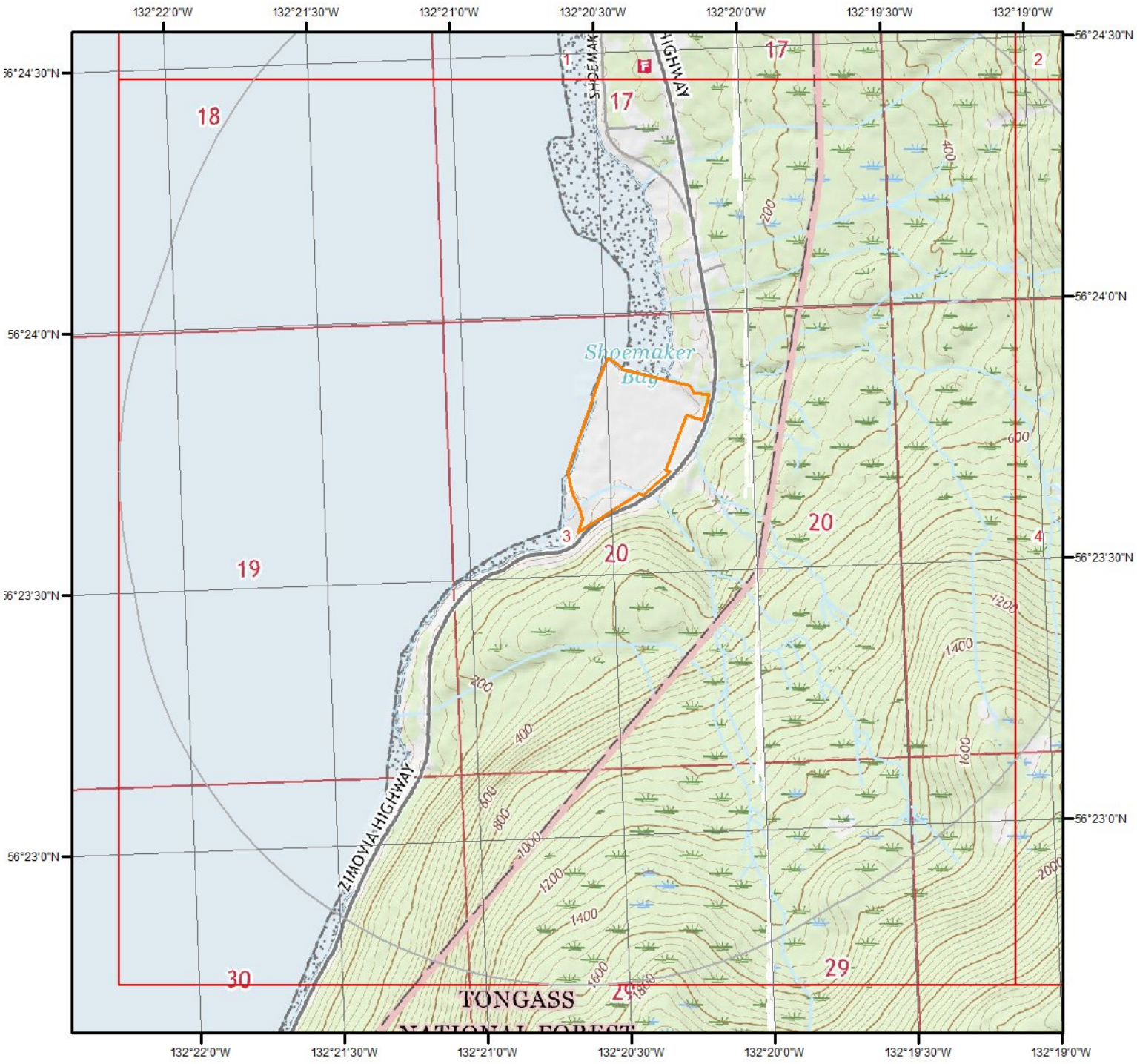
N

**Quadrangle(s): Petersburg B-1 NW,AK; Petersburg B-2 NE,AK**

ERIS

Source: USGS 7.5 Minute Topographic Map

## Topographic Information




**Current USGS Topo - Page 3**

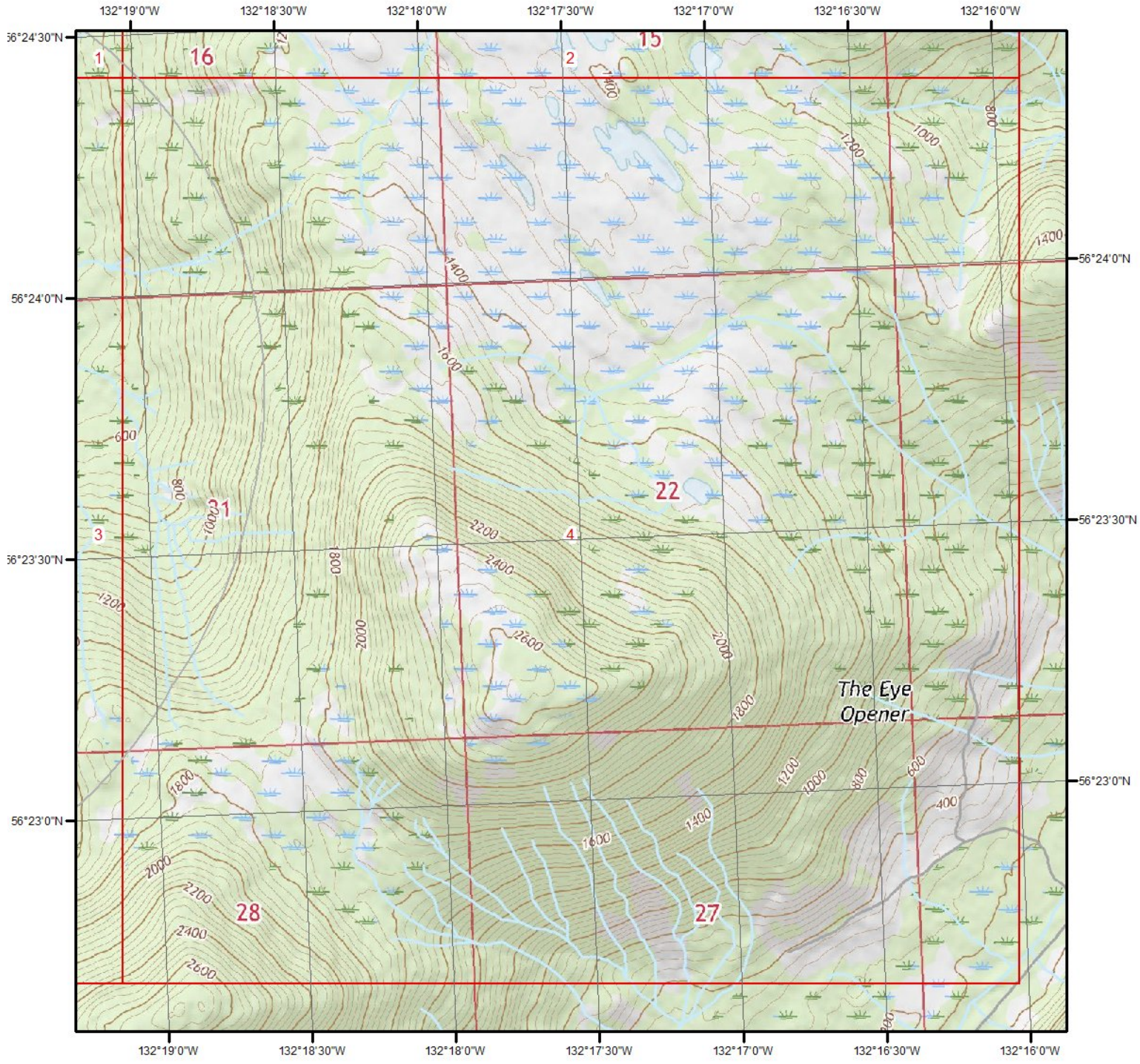
0 0.2 0.4 0.8 Miles

N

**Quadrangle(s): Petersburg B-1 NW,AK; Petersburg B-1 SW,AK; Petersburg B-2 NE,AK; Petersburg B-2 SE,AK**

Source: USGS 7.5 Minute Topographic Map

## Topographic Information




**Current USGS Topo - Page 4**

**Quadrangle(s): Petersburg B-1 NW,AK; Petersburg B-1 SW,AK; Petersburg B-2 NE,AK; Petersburg B-2 SE,AK**

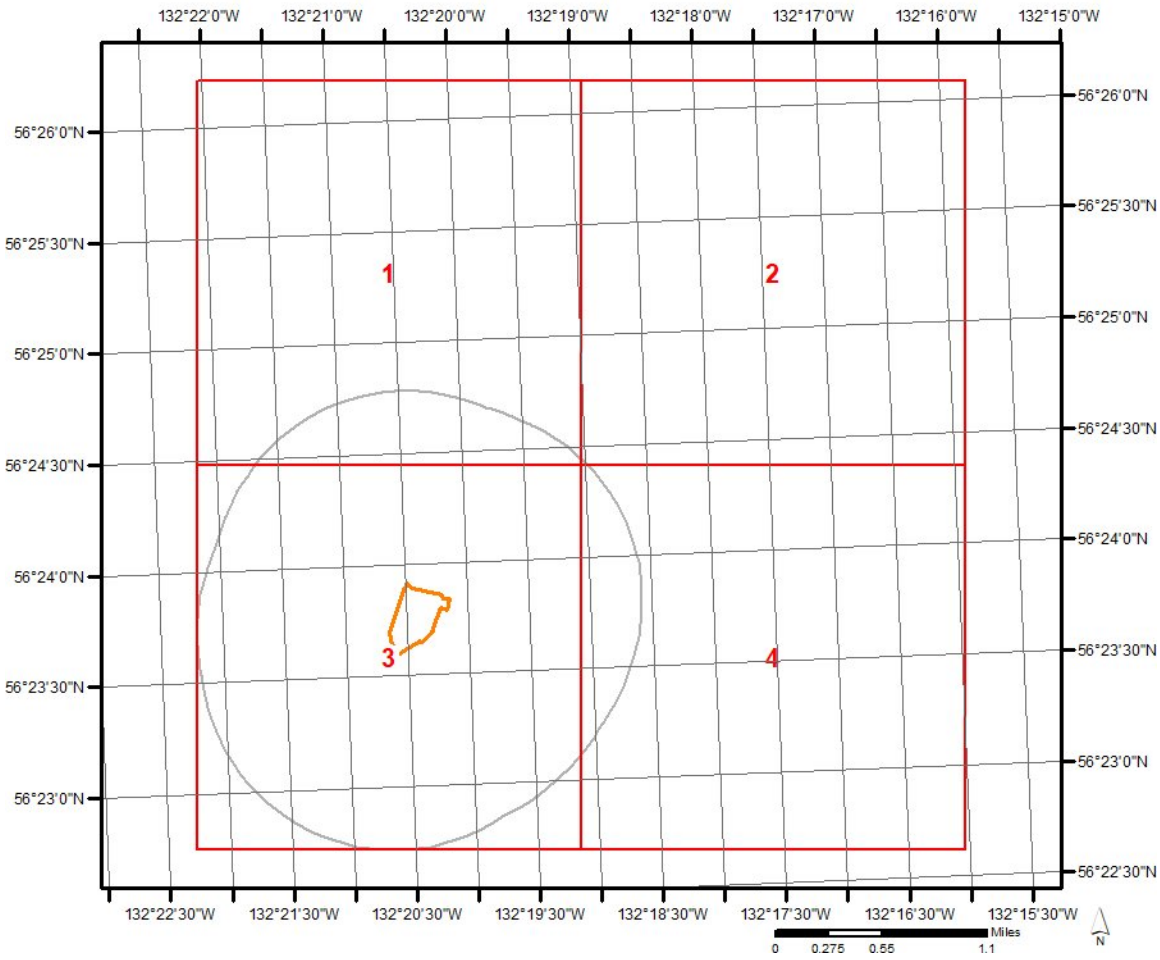
Source: USGS 7.5 Minute Topographic Map

# Topographic Information

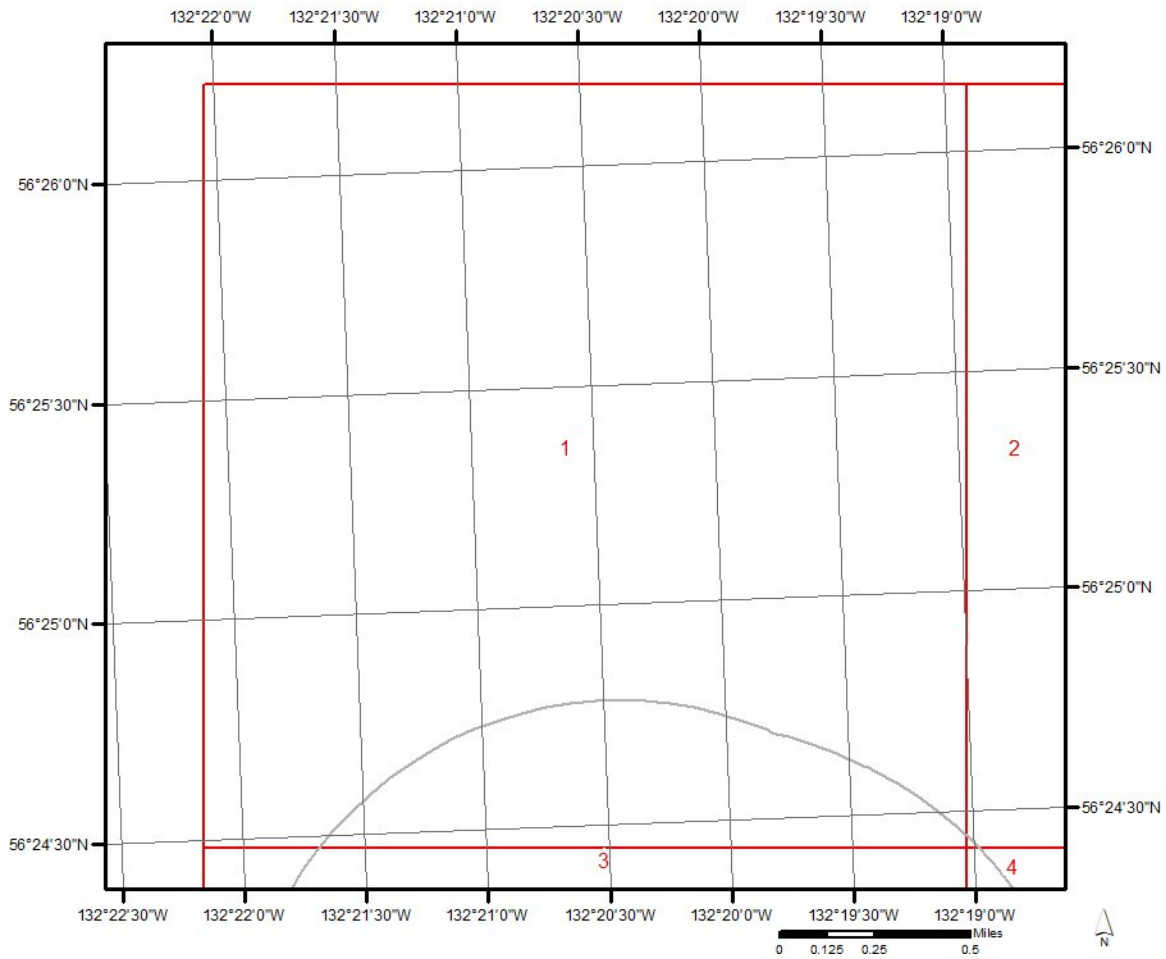
The previous topographic map(s) are created by seamlessly merging and cutting current USGS topographic data. Below are shaded relief map(s), derived from USGS elevation data to show surrounding topography in further detail.

Topographic information at project property:

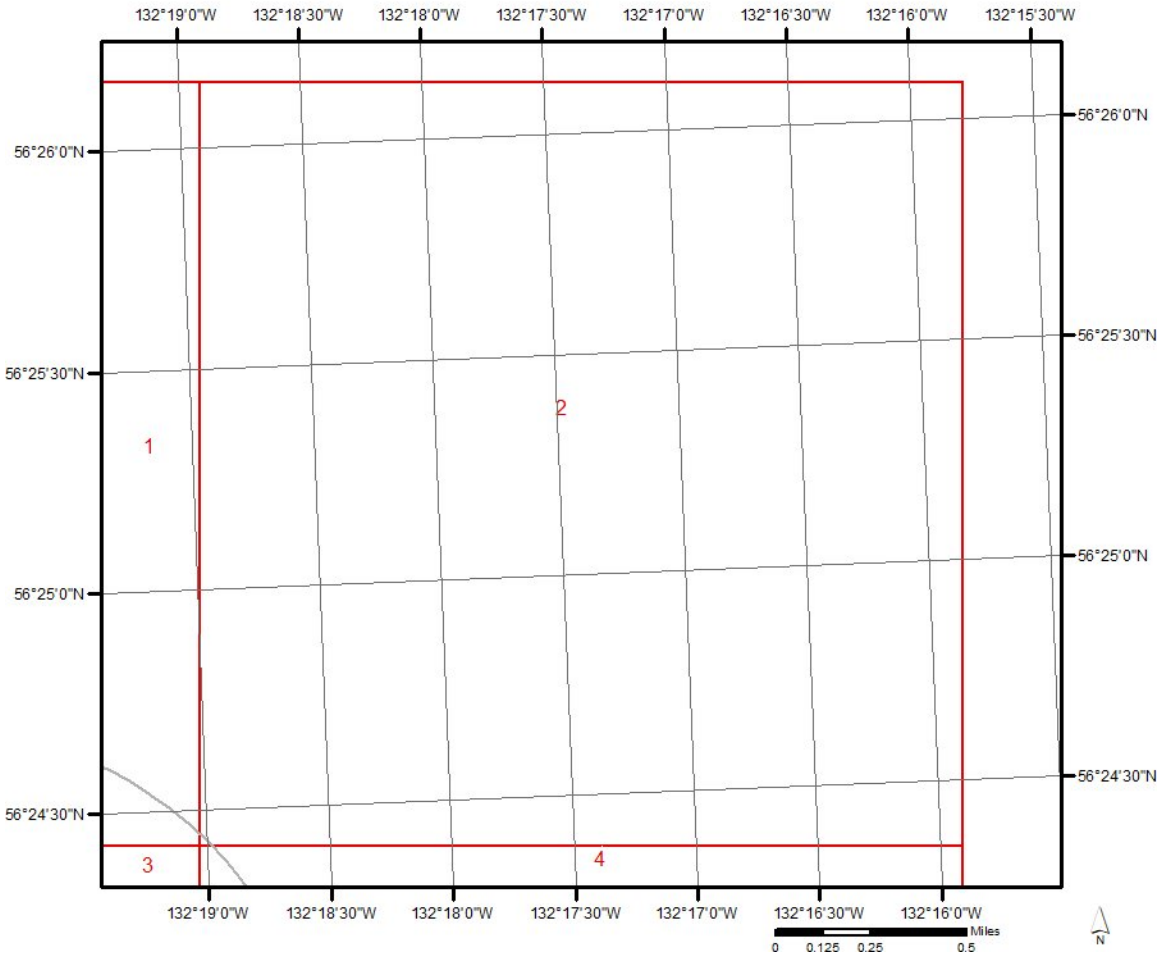
| | |
|---|---|
| Elevation: | 0.82 ft |
| Slope Direction: | WSW |



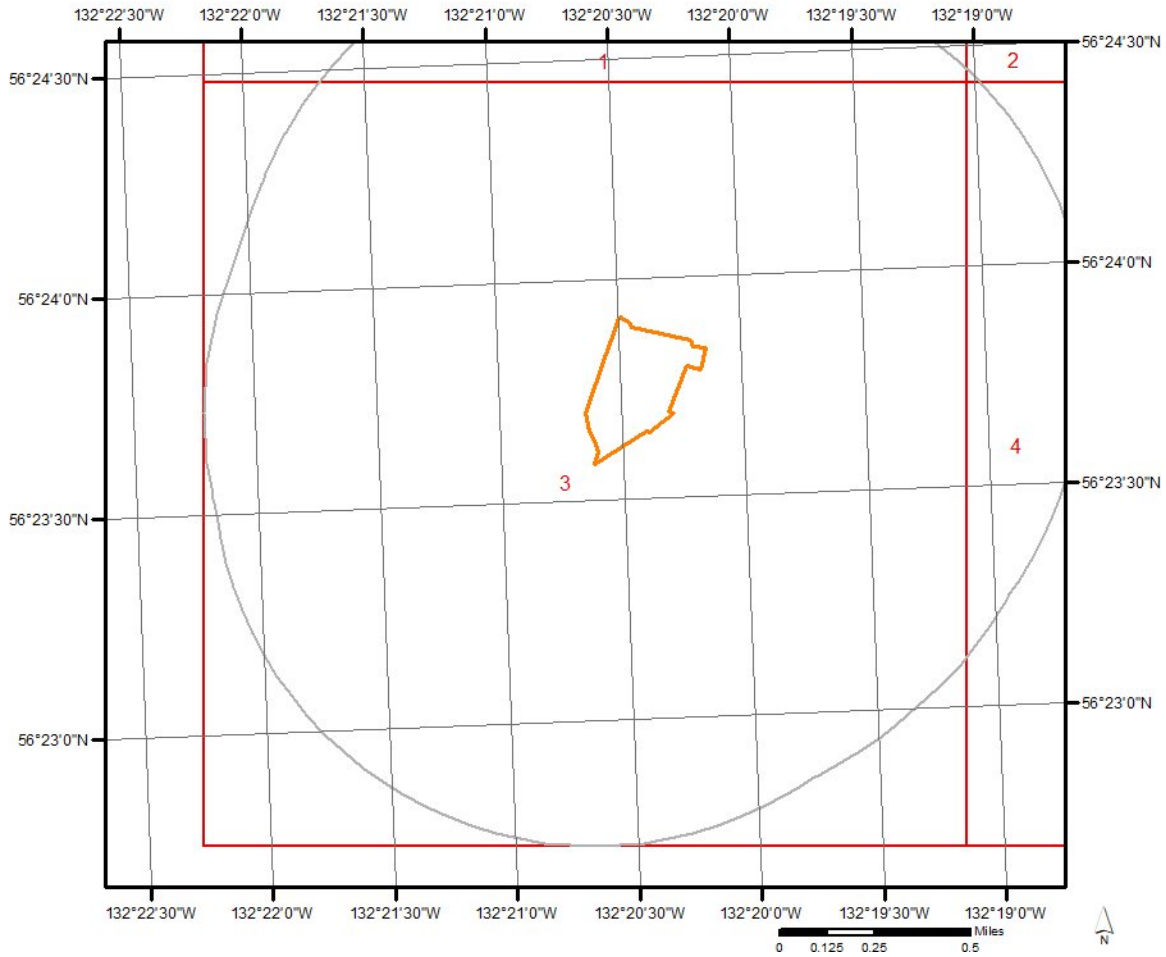
# Topographic Information



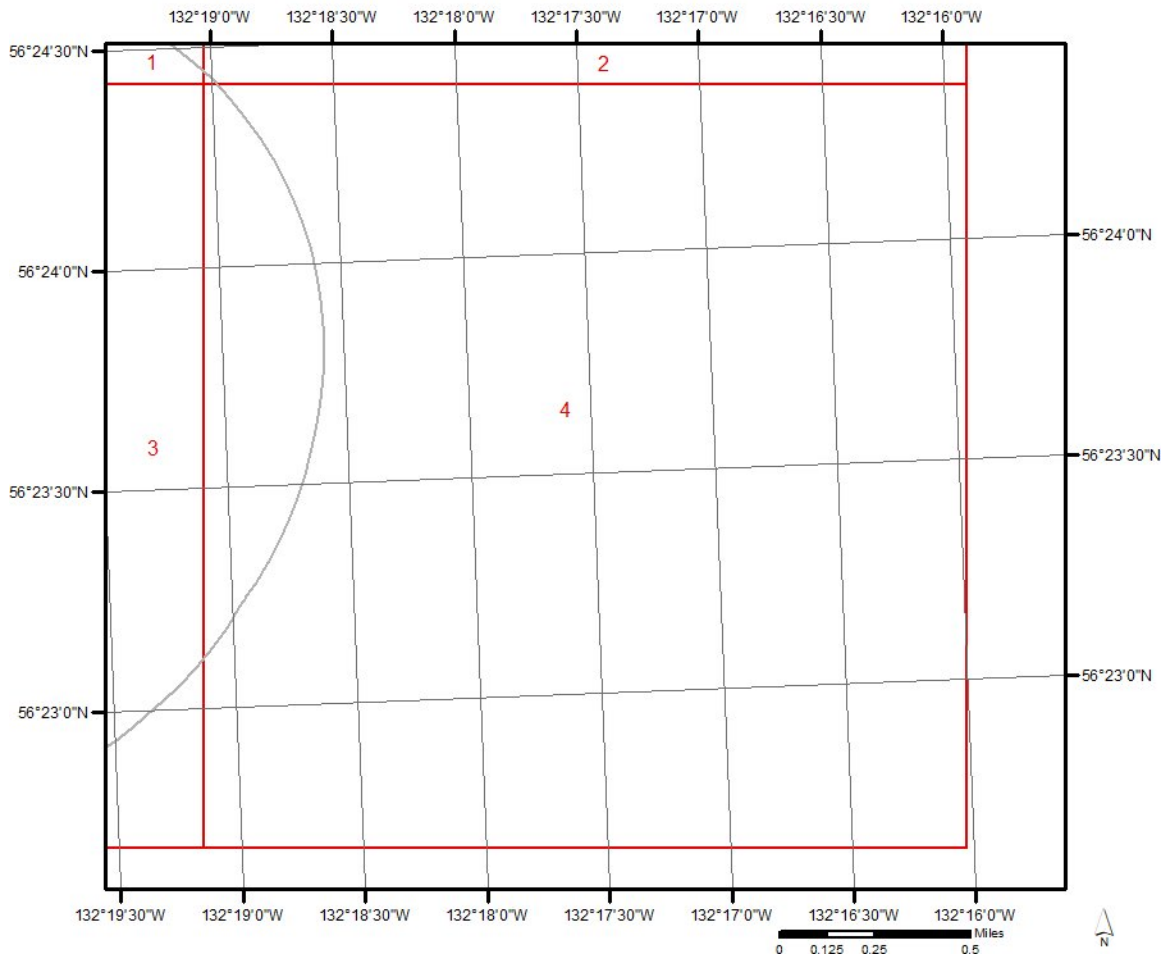
# Topographic Information



# Topographic Information



# Topographic Information



## Hydrologic Information


# Wetland

0 0.1 0.2 0.4 Miles

N

This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

ERIS

## Hydrologic Information


# Flood Hazard Zones

Miles
0 0.2 0.4

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

| | | |
|---|---|---|
| A | AO | X |
| A99 | V | OPEN WATER |
| AE | VE | NOT POPULATED |
| AH | D | AREA NOT INCLUDED |


**Quadrangle(s): Petersburg B-1 NW,AK; Petersburg B-1 SW,AK; Petersburg B-2 NE,AK; Petersburg B-2 SE,AK**

ERIS

# Hydrologic Information

The Wetland Type map shows wetland existence overlaid on an aerial imagery. The Flood Hazard Zones map shows FEMA flood hazard zones overlaid on an aerial imagery. Relevant FIRM panels and detailed zone information is provided below.
For detailed Zone descriptions please click the link: https://floodadvocate.com/fema-zone-definitions

No records found for the project property or surrounding properties.

## Geologic Information


0 0.275 0.55 Miles

N

### Geologic Units

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

ERIS

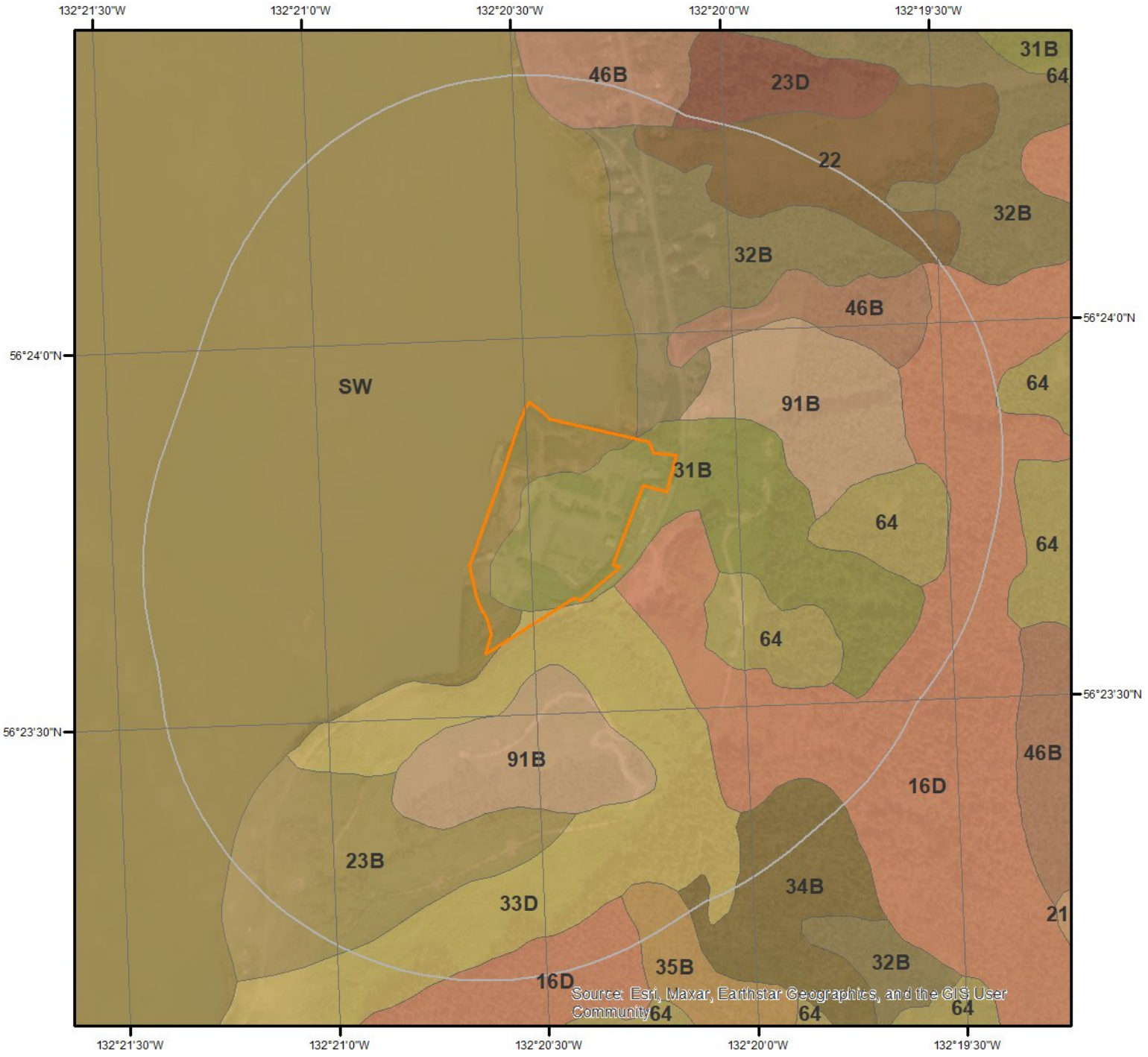
0 0.375 0.75 Miles

# Geologic Information

The previous page shows USGS geology information. Detailed information about each unit is provided below.

No records found for the project property or surrounding properties.

## Soil Information




**SSURGO Soils**

Miles
0 0.2 0.4

N

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

ERIS

# Soil Information

The previous page shows a soil map using SSURGO data from USDA Natural Resources Conservation Service. Detailed information about each unit is provided below.

---

**Map Unit 16D (0.05%)**

| | |
|---|---|
| Map Unit Name: | Kupreanof-Mosman complex, 35 to 75 percent slopes |
| Bedrock Depth - Min: | 22cm |
| Watertable Depth - Annual Min: | 69cm |
| Drainage Class - Dominant: | Well drained |
| Hydrologic Group - Dominant: | D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted. |
| Major components are printed below | |
| Mosman(45%) | |
| horizon H1(0cm to 3cm) | Very gravelly loam |
| horizon H2(3cm to 28cm) | Very gravelly loam |
| horizon H3(28cm to 38cm) | Unweathered bedrock |
| Kupreanof(45%) | |
| horizon H1(0cm to 3cm) | Silt loam |
| horizon H2(3cm to 20cm) | Gravelly sandy loam |
| horizon H3(20cm to 64cm) | Very gravelly coarse sandy loam |
| horizon H4(64cm to 152cm) | Very gravelly sandy loam |

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 16D - Kupreanof-Mosman complex, 35 to 75 percent slopes

Component: Kupreanof (46%)
The Kupreanof component makes up 45 percent of the map unit. Slopes are 35 to 75 percent. This component is on mountains. The parent material consists of colluvium and/or glaciofluvial deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 27 inches during January, February, March, September, October, November, December. Organic matter content in the surface horizon is about 6 percent. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Mosman (44%)
The Mosman component makes up 45 percent of the map unit. Slopes are 35 to 75 percent. This component is on sideslopes mountains. The parent material consists of colluvium derived from granodiorite and/or residuum weathered from granodiorite. Depth to a root restrictive layer, bedrock, lithic, is 3 to 14 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 10 percent. Nonirrigated land capability classification is 7s. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: McGilvery (4%)
Generated brief soil descriptions are created for major components. The McGilvery soil is a minor component.

Component: Mitkof (3%)
Generated brief soil descriptions are created for major components. The Mitkof soil is a minor component.

Component: Wadleigh (3%)
Generated brief soil descriptions are created for major components. The Wadleigh soil is a minor component.

---

**Map Unit 22 (0.0%)**

# Soil Information

| | |
|---|---|
| Map Unit Name: | Kushneahin-Kina association, 3 to 35 percent slopes |
| Bedrock Depth - Min: | null |
| Watertable Depth - Annual Min: | 8cm |
| Drainage Class - Dominant: | Very poorly drained |
| Hydrologic Group - Dominant: | D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted. |

Major components are printed below

| | |
|---|---|
| Kushneahin(50%) | |
| horizon Oe(0cm to 36cm) | Mucky peat |
| horizon Oa(36cm to 152cm) | Muck |
| Kina(40%) | |
| horizon Oi(0cm to 10cm) | Peat |
| horizon Oe(10cm to 152cm) | HM |

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 22 - Kushneahin-Kina association, 3 to 35 percent slopes

Component: Kushneahin (50%)
The Kushneahin component makes up 50 percent of the map unit. Slopes are 3 to 35 percent. This component is on bogs. The parent material consists of organic material. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is very poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is very high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 3 inches during January, February, March, April, May, June, July, August, September, October, November, December. Organic matter content in the surface horizon is about 97 percent. Nonirrigated land capability classification is 7w. This soil meets hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Kina (40%)
The Kina component makes up 40 percent of the map unit. Slopes are 3 to 35 percent. This component is on depressions. The parent material consists of organic material. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is very poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is very high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 3 inches during January, February, March, April, May, June, July, August, September, October, November, December. Organic matter content in the surface horizon is about 80 percent. Nonirrigated land capability classification is 7w. This soil meets hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Maybeso (5%)
Generated brief soil descriptions are created for major components. The Maybeso soil is a minor component.

Component: Wadleigh (5%)
Generated brief soil descriptions are created for major components. The Wadleigh soil is a minor component.

---

**Map Unit 23B (0.0%)**

| | |
|---|---|
| Map Unit Name: | Kupreanof-Mitkof complex, 5 to 35 percent slopes |
| Bedrock Depth - Min: | null |
| Watertable Depth - Annual Min: | 53cm |
| Drainage Class - Dominant: | Somewhat poorly drained |
| Hydrologic Group - Dominant: | C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted. |

Major components are printed below

| | |
|---|---|
| Mitkof(45%) | |
| horizon H1(0cm to 3cm) | Sandy loam |
| horizon H2(3cm to 28cm) | Gravelly silt loam |
| horizon H3(28cm to 152cm) | Very gravelly loam |
| Kupreanof(45%) | |

| | |
|---|---|
| horizon H1(0cm to 3cm) | Silt loam |
| horizon H2(3cm to 20cm) | Gravelly sandy loam |
| horizon H3(20cm to 64cm) | Very gravelly coarse sandy loam |
| horizon H4(64cm to 152cm) | Very gravelly sandy loam |

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 23B - Kupreanof-Mitkof complex, 5 to 35 percent slopes

Component: Kupreanof (46%)
The Kupreanof component makes up 45 percent of the map unit. Slopes are 5 to 35 percent. This component is on mountains. The parent material consists of colluvium and/or glaciofluvial deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 27 inches during January, February, March, September, October, November, December. Organic matter content in the surface horizon is about 6 percent. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Mitkof (44%)
The Mitkof component makes up 45 percent of the map unit. Slopes are 5 to 35 percent. This component is on till plains, sideslopes mountains. The parent material consists of colluvium over glaciofluvial deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 21 inches during January, February, March, April, October, November, December. Organic matter content in the surface horizon is about 14 percent. Nonirrigated land capability classification is 6w. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Maybeso (5%)
Generated brief soil descriptions are created for major components. The Maybeso soil is a minor component.

Component: Mosman (5%)
Generated brief soil descriptions are created for major components. The Mosman soil is a minor component.

---

**Map Unit 23D (0.0%)**

| | |
|---|---|
| Map Unit Name: | Kupreanof-Mitkof complex, 35 to 75 percent slopes |
| Bedrock Depth - Min: | null |
| Watertable Depth - Annual Min: | 53cm |
| Drainage Class - Dominant: | Somewhat poorly drained |
| Hydrologic Group - Dominant: | C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted. |

Major components are printed below

Kupreanof(55%)

| | |
|---|---|
| horizon H1(0cm to 3cm) | Silt loam |
| horizon H2(3cm to 20cm) | Gravelly sandy loam |
| horizon H3(20cm to 64cm) | Very gravelly coarse sandy loam |
| horizon H4(64cm to 152cm) | Very gravelly sandy loam |

Mitkof(35%)

| | |
|---|---|
| horizon H1(0cm to 3cm) | Sandy loam |
| horizon H2(3cm to 28cm) | Gravelly silt loam |
| horizon H3(28cm to 152cm) | Very gravelly loam |

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 23D - Kupreanof-Mitkof complex, 35 to 75 percent slopes

Component: Kupreanof (55%)
The Kupreanof component makes up 55 percent of the map unit. Slopes are 35 to 75 percent. This component is on mountains. The parent material consists of colluvium and/or glaciofluvial deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 27 inches during January, February, March, September, October, November, December. Organic matter content in the surface horizon is about 6 percent. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Mitkof (35%)
The Mitkof component makes up 35 percent of the map unit. Slopes are 35 to 75 percent. This component is on till plains, sideslopes mountains. The parent material consists of colluvium over glaciofluvial deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 21 inches during January, February, March, April, October, November, December. Organic matter content in the surface horizon is about 14 percent. Nonirrigated land capability classification is 7w. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Maybeso (5%)
Generated brief soil descriptions are created for major components. The Maybeso soil is a minor component.

Component: Mosman (5%)
Generated brief soil descriptions are created for major components. The Mosman soil is a minor component.

---

**Map Unit 31B (0.0%)**

| | |
|---|---|
| Map Unit Name: | Wadleigh silt loam, 5 to 35 percent slopes |
| Bedrock Depth - Min: | null |
| Watertable Depth - Annual Min: | 23cm |
| Drainage Class - Dominant: | Poorly drained |
| Hydrologic Group - Dominant: | D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted. |

Major components are printed below

Wadleigh(85%)

| | |
|---|---|
| horizon H1(0cm to 5cm) | Silt loam |
| horizon H2(5cm to 28cm) | Very gravelly silt loam |
| horizon H3(28cm to 152cm) | Extremely gravelly silt loam |

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 31B - Wadleigh silt loam, 5 to 35 percent slopes

Component: Wadleigh (85%)
The Wadleigh component makes up 85 percent of the map unit. Slopes are 5 to 35 percent. This component is on depressions on hills. The parent material consists of glaciofluvial deposits. Depth to a root restrictive layer, densic material, is 7 to 16 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 9 inches during January, February, March, April, May, June, July, August, September, October, November, December. Organic matter content in the surface horizon is about 5 percent. Nonirrigated land capability classification is 6w. This soil meets hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Karta (5%)
Generated brief soil descriptions are created for major components. The Karta soil is a minor component.

Component: Maybeso (5%)
Generated brief soil descriptions are created for major components. The Maybeso soil is a minor component.

Component: Kupreanof (5%)
Generated brief soil descriptions are created for major components. The Kupreanof soil is a minor component.

# Soil Information

**Map Unit 32B (0.0%)**

| | |
|---|---|
| Map Unit Name: | Nakwasina peat, 5 to 35 percent slopes |
| Bedrock Depth - Min: | null |
| Watertable Depth - Annual Min: | 23cm |
| Drainage Class - Dominant: | Poorly drained |
| Hydrologic Group - Dominant: | D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted. |

Major components are printed below

Nakwasina(85%)

| | |
|---|---|
| horizon Oi(0cm to 23cm) | Peat |
| horizon H2(23cm to 38cm) | Silt loam |
| horizon H3(38cm to 56cm) | Silt loam |
| horizon H4(56cm to 79cm) | Very gravelly loam |
| horizon H5(79cm to 152cm) | Very gravelly loam |

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 32B - Nakwasina peat, 5 to 35 percent slopes

Component: Nakwasina (85%)
The Nakwasina component makes up 85 percent of the map unit. Slopes are 5 to 35 percent. This component is on hills. The parent material consists of glaciofluvial deposits over dense compact glaciofluvial deposits. Depth to a root restrictive layer, undefined, is 10 to 14 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 9 inches during January, February, March, April, May, June, July, August, September, October, November, December. Organic matter content in the surface horizon is about 90 percent. Nonirrigated land capability classification is 6w. This soil meets hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: unnamed (10%)
Generated brief soil descriptions are created for major components. The unnamed soil is a minor component.

Component: Mitkof (5%)
Generated brief soil descriptions are created for major components. The Mitkof soil is a minor component.

**Map Unit 33D (0.01%)**

| | |
|---|---|
| Map Unit Name: | Mosman very gravelly loam, 35 to 75 percent slopes |
| Bedrock Depth - Min: | 22cm |
| Watertable Depth - Annual Min: | null |
| Drainage Class - Dominant: | Well drained |
| Hydrologic Group - Dominant: | D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted. |

Major components are printed below

Mosman(85%)

| | |
|---|---|
| horizon H1(0cm to 3cm) | Very gravelly loam |
| horizon H2(3cm to 28cm) | Very gravelly loam |
| horizon H3(28cm to 38cm) | Unweathered bedrock |

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 33D - Mosman very gravelly loam, 35 to 75 percent slopes

# Soil Information

Component: Mosman (85%)
The Mosman component makes up 85 percent of the map unit. Slopes are 35 to 75 percent. This component is on sideslopes mountains. The parent material consists of colluvium derived from granodiorite and/or residuum weathered from granodiorite. Depth to a root restrictive layer, bedrock, lithic, is 3 to 14 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 10 percent. Nonirrigated land capability classification is 7s. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: St. Nicholas (10%)
Generated brief soil descriptions are created for major components. The St. Nicholas soil is a minor component.

Component: McGilvery (5%)
Generated brief soil descriptions are created for major components. The McGilvery soil is a minor component.

---

**Map Unit 34B (0.0%)**

| | |
|---|---|
| Map Unit Name: | Mitkof-Mosman complex, 5 to 35 percent slopes |
| Bedrock Depth - Min: | 22cm |
| Watertable Depth - Annual Min: | 53cm |
| Drainage Class - Dominant: | Somewhat poorly drained |
| Hydrologic Group - Dominant: | C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted. |

Major components are printed below

| | |
|---|---|
| Mitkof(55%) | |
| horizon H1(0cm to 3cm) | Sandy loam |
| horizon H2(3cm to 28cm) | Gravelly silt loam |
| horizon H3(28cm to 152cm) | Very gravelly loam |
| Mosman(35%) | |
| horizon H1(0cm to 3cm) | Very gravelly loam |
| horizon H2(3cm to 28cm) | Very gravelly loam |
| horizon H3(28cm to 38cm) | Unweathered bedrock |

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 34B - Mitkof-Mosman complex, 5 to 35 percent slopes

Component: Mitkof (55%)
The Mitkof component makes up 55 percent of the map unit. Slopes are 5 to 35 percent. This component is on till plains, sideslopes mountains. The parent material consists of colluvium over glaciofluvial deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 21 inches during January, February, March, April, October, November, December. Organic matter content in the surface horizon is about 14 percent. Nonirrigated land capability classification is 6w. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Mosman (35%)
The Mosman component makes up 35 percent of the map unit. Slopes are 5 to 35 percent. This component is on sideslopes mountains. The parent material consists of colluvium derived from granodiorite and/or residuum weathered from granodiorite. Depth to a root restrictive layer, bedrock, lithic, is 3 to 14 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 10 percent. Nonirrigated land capability classification is 6s. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Kupreanof (5%)
Generated brief soil descriptions are created for major components. The Kupreanof soil is a minor component.

Component: Maybeso (5%)

# Soil Information

Generated brief soil descriptions are created for major components. The Maybeso soil is a minor component.

---

**Map Unit 35B (0.01%)**

| | |
|---|---|
| Map Unit Name: | Maybeso-Mosman complex, 5 to 35 percent slopes |
| Bedrock Depth - Min: | 22cm |
| Watertable Depth - Annual Min: | 31cm |
| Drainage Class - Dominant: | Very poorly drained |
| Hydrologic Group - Dominant: | D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted. |

Major components are printed below

| | |
|---|---|
| Maybeso(70%) | |
| horizon Oi(0cm to 13cm) | Peat |
| horizon Oa(13cm to 71cm) | Muck |
| horizon H3(71cm to 152cm) | Very gravelly sandy loam |
| Mosman(20%) | |
| horizon H1(0cm to 3cm) | Very gravelly loam |
| horizon H2(3cm to 28cm) | Very gravelly loam |
| horizon H3(28cm to 38cm) | Unweathered bedrock |

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 35B - Maybeso-Mosman complex, 5 to 35 percent slopes

Component: Maybeso (70%)
The Maybeso component makes up 70 percent of the map unit. Slopes are 5 to 35 percent. This component is on mountains, hills. The parent material consists of organic material over glaciofluvial deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is very poorly drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 12 inches during January, February, March, April, May, June, July, August, September, October, November, December. Organic matter content in the surface horizon is about 85 percent. Nonirrigated land capability classification is 7w. This soil meets hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Mosman (20%)
The Mosman component makes up 20 percent of the map unit. Slopes are 5 to 35 percent. This component is on sideslopes mountains. The parent material consists of colluvium derived from granodiorite and/or residuum weathered from granodiorite. Depth to a root restrictive layer, bedrock, lithic, is 3 to 14 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 10 percent. Nonirrigated land capability classification is 6s. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Kushneahin (4%)
Generated brief soil descriptions are created for major components. The Kushneahin soil is a minor component.

Component: Wadleigh (3%)
Generated brief soil descriptions are created for major components. The Wadleigh soil is a minor component.

Component: McGilvery (3%)
Generated brief soil descriptions are created for major components. The McGilvery soil is a minor component.

---

**Map Unit 46B (0.01%)**

| | |
|---|---|
| Map Unit Name: | Mitkof sandy loam, 5 to 35 percent slopes |
| Bedrock Depth - Min: | null |
| Watertable Depth - Annual Min: | 53cm |

# Soil Information

| | |
|---|---|
| Drainage Class - Dominant: | Somewhat poorly drained |
| Hydrologic Group - Dominant: | C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted. |

Major components are printed below

Mitkof(85%)

| | |
|---|---|
| horizon H1(0cm to 3cm) | Sandy loam |
| horizon H2(3cm to 28cm) | Gravelly silt loam |
| horizon H3(28cm to 152cm) | Very gravelly loam |

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 46B - Mitkof sandy loam, 5 to 35 percent slopes

Component: Mitkof (85%)
The Mitkof component makes up 85 percent of the map unit. Slopes are 5 to 35 percent. This component is on till plains, sideslopes mountains. The parent material consists of colluvium over glaciofluvial deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 21 inches during January, February, March, April, October, November, December. Organic matter content in the surface horizon is about 14 percent. Nonirrigated land capability classification is 6w. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Nakwasina (5%)
Generated brief soil descriptions are created for major components. The Nakwasina soil is a minor component.

Component: Kwatahein (4%)
Generated brief soil descriptions are created for major components. The Kwatahein soil is a minor component.

Component: Tolstoi (3%)
Generated brief soil descriptions are created for major components. The Tolstoi soil is a minor component.

Component: Ulloa (3%)
Generated brief soil descriptions are created for major components. The Ulloa soil is a minor component.

---

**Map Unit 64 (0.0%)**

| | |
|---|---|
| Map Unit Name: | Kushneahin-Maybeso complex, 3 to 35 percent slopes |
| Bedrock Depth - Min: | null |
| Watertable Depth - Annual Min: | 8cm |
| Drainage Class - Dominant: | Very poorly drained |
| Hydrologic Group - Dominant: | D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted. |

Major components are printed below

Maybeso(45%)

| | |
|---|---|
| horizon Oi(0cm to 13cm) | Peat |
| horizon Oa(13cm to 71cm) | Muck |
| horizon H3(71cm to 152cm) | Very gravelly sandy loam |

Kushneahin(45%)

| | |
|---|---|
| horizon Oe(0cm to 36cm) | Mucky peat |
| horizon Oa(36cm to 152cm) | Muck |

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 64 - Kushneahin-Maybeso complex, 3 to 35 percent slopes

# Soil Information

Component: Kushneahin (46%)
The Kushneahin component makes up 45 percent of the map unit. Slopes are 3 to 35 percent. This component is on bogs. The parent material consists of organic material. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is very poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is very high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 3 inches during January, February, March, April, May, June, July, August, September, October, November, December. Organic matter content in the surface horizon is about 97 percent. Nonirrigated land capability classification is 7w. This soil meets hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Maybeso (44%)
The Maybeso component makes up 45 percent of the map unit. Slopes are 5 to 35 percent. This component is on mountains, hills. The parent material consists of organic material over glaciofluvial deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is very poorly drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 12 inches during January, February, March, April, May, June, July, August, September, October, November, December. Organic matter content in the surface horizon is about 85 percent. Nonirrigated land capability classification is 7w. This soil meets hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Mitkof (5%)
Generated brief soil descriptions are created for major components. The Mitkof soil is a minor component.

Component: Nakwasina (5%)
Generated brief soil descriptions are created for major components. The Nakwasina soil is a minor component.

---

**Map Unit 91B (0.0%)**

| | |
|---|---|
| Map Unit Name: | Maybeso peat, 5 to 35 percent slopes |
| Bedrock Depth - Min: | null |
| Watertable Depth - Annual Min: | 31cm |
| Drainage Class - Dominant: | Very poorly drained |
| Hydrologic Group - Dominant: | D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted. |

Major components are printed below

Maybeso(90%)

| | |
|---|---|
| horizon Oi(0cm to 13cm) | Peat |
| horizon Oa(13cm to 71cm) | Muck |
| horizon H3(71cm to 152cm) | Very gravelly sandy loam |

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 91B - Maybeso peat, 5 to 35 percent slopes

Component: Maybeso (90%)
The Maybeso component makes up 90 percent of the map unit. Slopes are 5 to 35 percent. This component is on mountains, hills. The parent material consists of organic material over glaciofluvial deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is very poorly drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 12 inches during January, February, March, April, May, June, July, August, September, October, November, December. Organic matter content in the surface horizon is about 85 percent. Nonirrigated land capability classification is 7w. This soil meets hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Wadleigh (10%)
Generated brief soil descriptions are created for major components. The Wadleigh soil is a minor component.

---

**Map Unit SW (99.91%)**

| | |
|---|---|
| Map Unit Name: | Salt Water |

# Soil Information

No more attributes available for this map unit

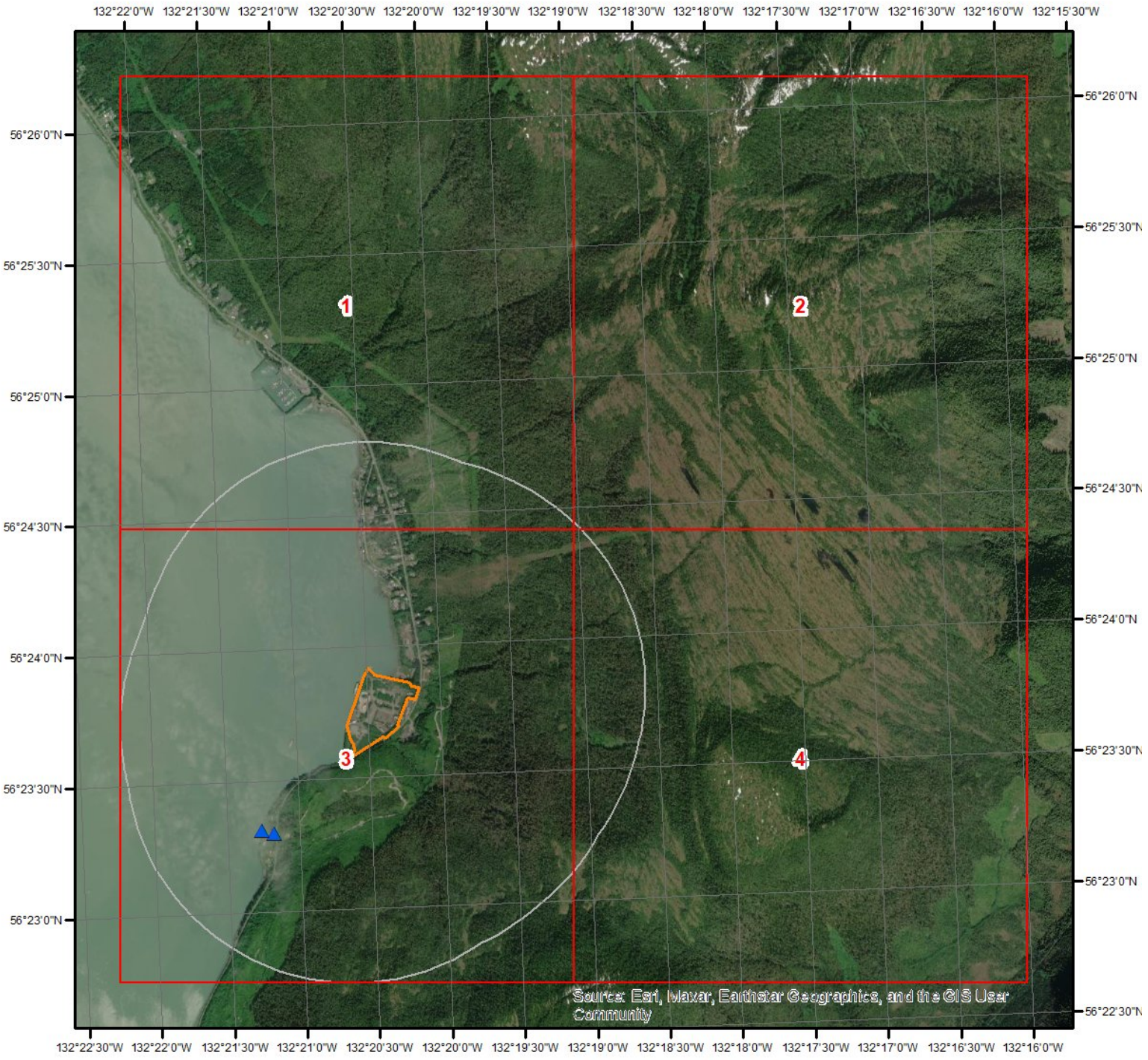
Component Description:

Minor map unit components are excluded from this report.

Map Unit: SW - Salt Water

Component: Salt Water (100%)
Generated brief soil descriptions are created for major soil components.  The Salt Water is a miscellaneous area.

# Wells and Additional Sources




## Wells & Additional Sources

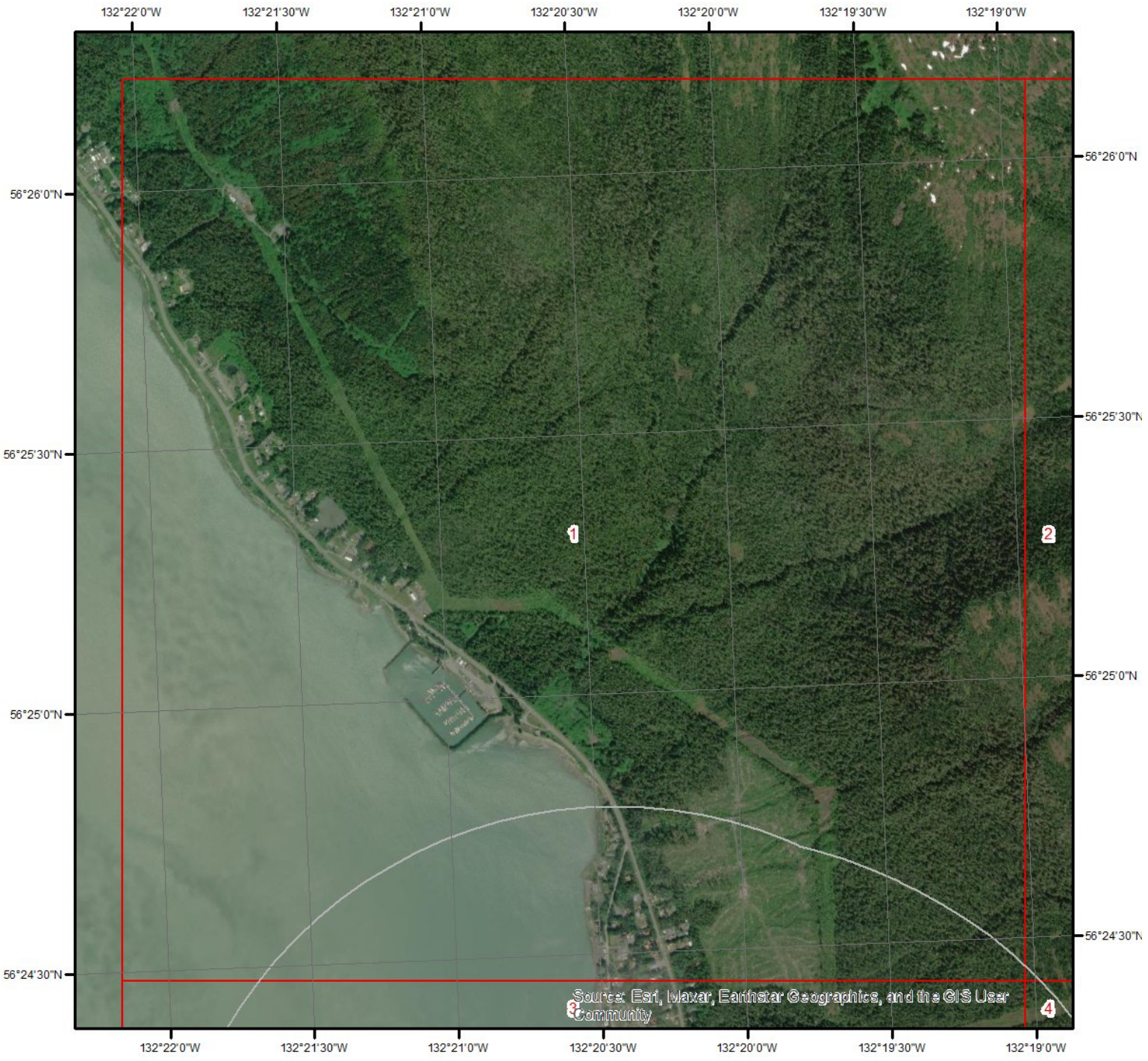
N

0 0.3 0.6 1.2 Miles

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

ERIS

## Wells and Additional Sources




**Wells & Additional Sources - Page 1**

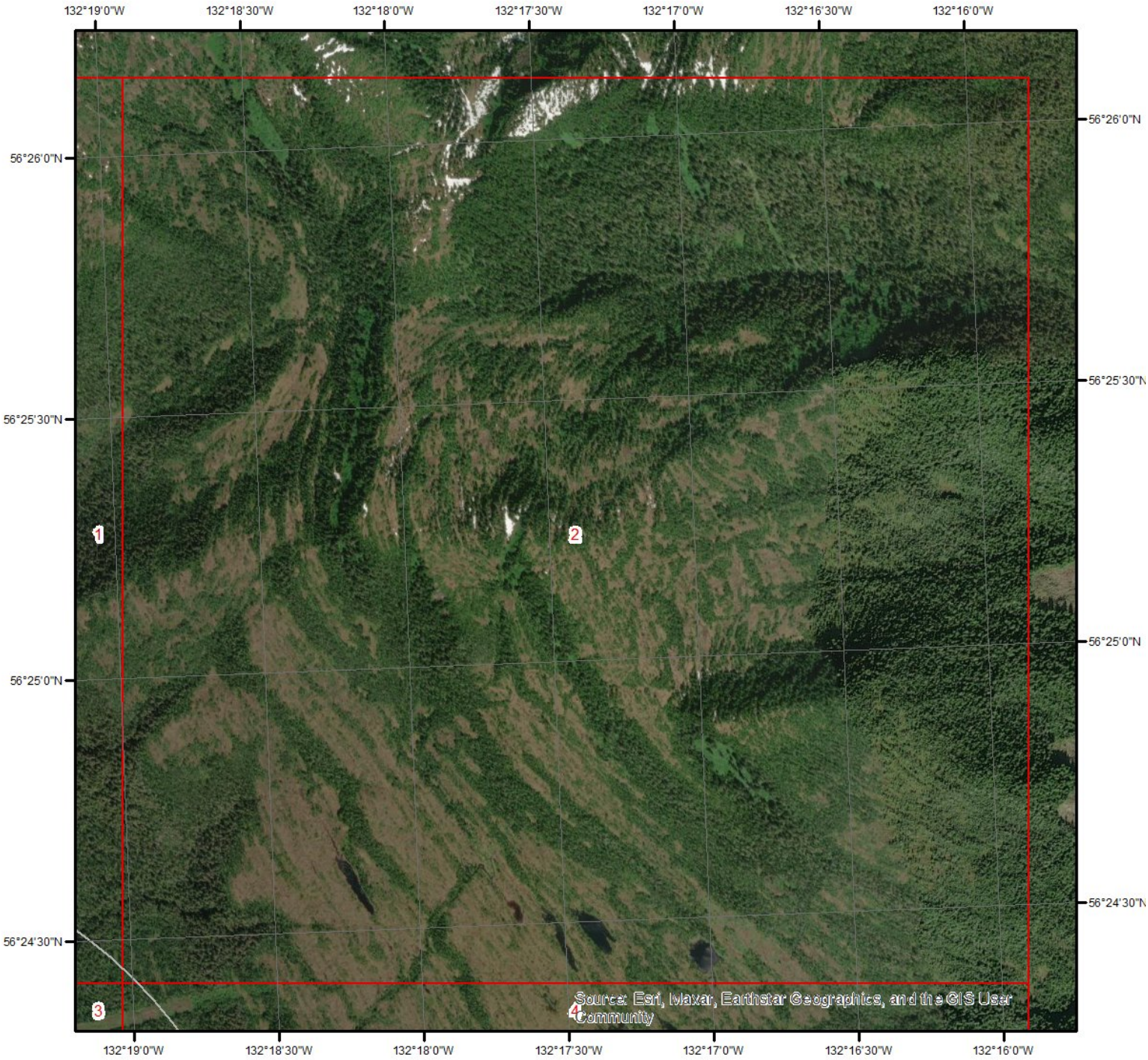
N

0 0.15 0.3 0.6 Miles

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

ERIS

## Wells and Additional Sources




**Wells & Additional Sources - Page 2**

N

0 0.15 0.3 0.6 Miles

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

ERIS

## Wells and Additional Sources


# Wells & Additional Sources - Page 3

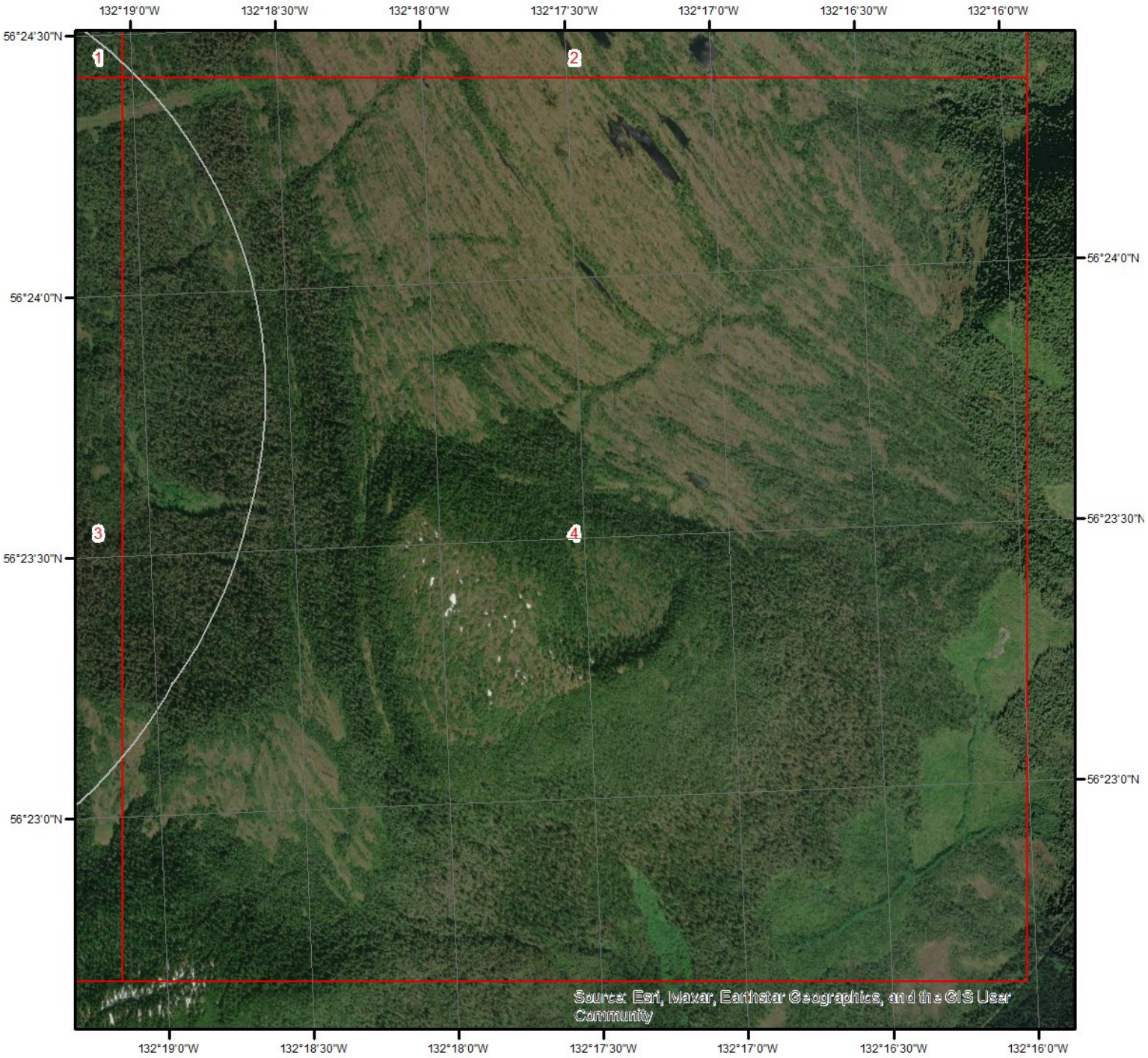
N

0 0.15 0.3 0.6 Miles

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

ERIS

## Wells and Additional Sources




### Wells & Additional Sources - Page 4

N

0 0.15 0.3 0.6 Miles

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

ERIS

# Wells and Additional Sources Summary

## Federal Sources

### Public Water Systems Violations and Enforcement Data

| Map Key | ID | Distance (ft) | Direction |
|---|---|---|---|
| | No records found | | |

### Safe Drinking Water Information System (SDWIS)

| Map Key | ID | Distance (ft) | Direction |
|---|---|---|---|
| | No records found | | |

### USGS National Water Information System

| Map Key | Monitoring Loc Identifier | Distance (ft) | Direction |
|---|---|---|---|
| 2 | USGS-562320132211001 | 2730.23 | SW |

### Wells from NWIS

| Map Key | ID | Distance (ft) | Direction |
|---|---|---|---|
| | No records found | | |

## State Sources

### Oil and Gas Wells

| Map Key | ID | Distance (ft) | Direction |
|---|---|---|---|
| | No records found | | |

### Public Water Systems

| Map Key | ID | Distance (ft) | Direction |
|---|---|---|---|
| | No records found | | |

### Well Log Tracking System

| Map Key | Log ID | Distance (ft) | Direction |
|---|---|---|---|
| 1 | 1518 | 2562.37 | SW |

# Wells and Additional Sources Detail Report

## USGS National Water Information System

| Map Key | Direction | Distance (mi) | Distance (ft) | Elevation (ft) | DB |
|---|---|---|---|---|---|
| 2 | SW | 0.52 | 2,730.23 | 4.56 | FED USGS |

| | | | |
|---|---|---|---|
| Organiz Identifier: | USGS-AK | Formation Type: | |
| Organiz Name: | USGS Alaska Water Science Center | Aquifer Name: | |
| Well Depth: | 150 | Aquifer Type: | |
| Well Depth Unit: | ft | Country Code: | US |
| Well Hole Depth: | 150 | Provider Name: | NWIS |
| W Hole Depth Unit: | ft | County: | Wrangell (B) |
| Construction Date: | 19820712 | Latitude: | 56.38854520000000 |
| Source Map Scale: | 63360 | Longitude: | -132.3544609000000 |
| Monitoring Loc Name: | CD06308419DDBA1 001 | | |
| Monitoring Loc Identifier: | USGS-562320132211001 | | |
| Monitoring Loc Type: | Well | | |
| Monitoring Loc Desc: | | | |
| HUC Eight Digit Code: | 19010209 | | |
| Drainage Area: | | | |
| Drainage Area Unit: | | | |
| Contrib Drainage Area: | | | |
| Contrib Drainage Area Unit: | | | |
| Horizontal Accuracy: | 10 | | |
| Horizontal Accuracy Unit: | seconds | | |
| Horizontal Collection Mthd: | Interpolated from MAP. | | |
| Horiz Coord Refer System: | NAD83 | | |
| Vertical Measure: | 50.00 | | |
| Vertical Measure Unit: | feet | | |
| Vertical Accuracy: | 50 | | |
| Vertical Accuracy Unit: | feet | | |
| Vertical Collection Mthd: | Interpolated from topographic map. | | |
| Vert Coord Refer System: | NGVD29 | | |

## Well Log Tracking System

| Map Key | Direction | Distance (mi) | Distance (ft) | Elevation (ft) | DB |
|---|---|---|---|---|---|
| 1 | SW | 0.49 | 2,562.37 | 39.34 | WATER WELLS |

| | | | |
|---|---|---|---|
| Log ID: | 1518 | Gravel: | |
| PWS ID: | | Gravel Start: | |
| MER ID: | Copper River | Gravel Stop: | |
| Case ID: | | Level of Precision: | |
| File No: | 11 | Intake Type: | |
| Well Use: | | Disinfect: | |

# Wells and Additional Sources Detail Report

| | | | |
|---|---|---|---|
| Well Use Other: | | Full Name: | , |
| Other Used: | | Fluids Used: | |
| File Type: | LAS | Recov Rate: | |
| SW Date: | | Dev Duration: | |
| Date Start: | | Perf1 Start: | |
| Date Complete: | 7/12/1982 12:00:00 AM | Perf1 Stop: | |
| Decommissioned: | | Perf2 Start: | |
| Decom Date: | | Perf2 Stop: | |
| Loc Src(GeosptlDt): | L | Wtr Quality Tested: | |
| Log Availble (DNR): | True | Grout From: | |
| Drill Method: | | Grout To: | |
| Drilling Meth Othr: | | Pump Intake Ft: | |
| Test Method: | | Pump Hp: | |
| Hole Depth: | 150 | Perf Description: | |
| Bedrock Depth: | | Lot (DNR): | L19 |
| Static Water Level: | 30 | Block (DNR): | |
| Static Water From: | | Tract: | |
| Pump Ft: | | Region (DNR): | Southeast Island REAA |
| Pump Hr: | | City (DNR): | Wrangell |
| Pump Gpm: | | Township: | 063S |
| Liner Type: | | Range: | 084E |
| Liner Dia: | | Section: | 19 |
| Casing Stickup: | | Qtr Sec (DNR): | NE NW SE SE |
| Casing Type: | | Latitude: | |
| Casing Thick: | | Longitude: | |
| Casing Dia: | | Loc Source (DNR): | L |
| Casing Depth: | | Map No: | |
| Screen Start: | | Blck (Geo-sptl Dt): | |
| Screen Stop: | | X: | -132.353005643248 |
| Screen Type: | | City (Geo-sptl Dt): | Wrangell |
| Screen Size: | | Y: | 56.388295430523 |
| Dev Method: | | Lg Avlbl (GeoData): | Yes |
| Created: | 1992/01/14 00:00:00+00 | Lot (Geo Data): | L19 |
| Driller ID: | | Qtr Sec (Geo Data): | NE NW SE SE |
| Has Pump Test: | 0 | Region (Geo Data): | RSE |
| Meridian ID: | C | Subdvsn (Geo Data): | USS 2921 |
| Company Name: | COLEMAN DRILLING | | |
| First Name: | | | |
| Subdivision (DNR): | USS 2921 | | |
| Grout Vol: | | | |
| Intake Type Other: | | | |
| Location Note: | | | |
| Disinf Method: | | | |
| Owner: | RAK, DAVID | | |
| Last Name: | | | |
| Qual Params Tested: | | | |
| Casing Note: | | | |

# Wells and Additional Sources Detail Report

| | |
|---|---|
| Screen Note: | |
| Drillers Comments: | SW 30 FT TOG, |
| Loc Desc (DNR): | USS 2921 L19 |
| Report Source: | Alaska DNR - WELTS; AK State Geo-spatial Data Clearinghouse - WELTS (as of May 26, 2021) |
| URL: | https://dnr.alaska.gov/welts/Log/1518 |
| Property Desc (Geo Data): | USS 2921 L19 |

# Radon Information

This section lists any relevant radon information found for the target property.

No Radon Zone Level records found for the project property or surrounding properties.

*Zone 1: Counties with predicted average indoor radon screening levels greater than 4 pCi/L*
*Zone 2: Counties with predicted average indoor radon screening levels from 2 to 4 pCi/L*
*Zone 3: Counties with predicted average indoor radon screening levels less than 2 pCi/L*

---

No Indoor Radon Data records found for the project property or surrounding properties.

# Appendix

## Federal Sources

**FEMA National Flood Hazard Layer** — **FEMA FLOOD**

The National Flood Hazard Layer (NFHL) data incorporates Flood Insurance Rate Map (FIRM) databases published by the Federal Emergency Management Agency (FEMA), and any Letters Of Map Revision (LOMRs) that have been issued against those databases since their publication date. The FIRM Database is the digital, geospatial version of the flood hazard information shown on the published paper FIRMs. The FIRM Database depicts flood risk information and supporting data used to develop the risk data. The FIRM Database is derived from Flood Insurance Studies (FISs), previously published FIRMs, flood hazard analyses performed in support of the FISs and FIRMs, and new mapping data, where available.

**Indoor Radon Data** — **INDOOR RADON**

Indoor radon measurements tracked by the Environmental Protection Agency(EPA) and the State Residential Radon Survey.

**Public Water Systems Violations and Enforcement Data** — **PWSV**

List of drinking water violations and enforcement actions from the Safe Drinking Water Information System (SDWIS) made available by the Drinking Water Protection Division of the US EPA's Office of Groundwater and Drinking Water. Enforcement sensitive actions are not included in the data released by the EPA. Address information provided in SWDIS may correspond either with the physical location of the water system, or with a contact address.

**Radon Zone Level** — **RADON ZONE**

Areas showing the level of Radon Zones (level 1, 2 or 3) by county. This data is maintained by the Environmental Protection Agency (EPA).

**Safe Drinking Water Information System (SDWIS)** — **SDWIS**

The Safe Drinking Water Information System (SDWIS) contains information about public water systems as reported to US Environmental Protection Agency (EPA) by the states. Addresses may correspond with the location of the water system, or with a contact address.

**Soil Survey Geographic database** — **SSURGO**

The Soil Survey Geographic database (SSURGO) contains information about soil as collected by the National Cooperative Soil Survey at the Natural Resources Conservation Service (NRCS). Soil maps outline areas called map units. The map units are linked to soil properties in a database. Each map unit may contain one to three major components and some minor components.

**U.S. Fish & Wildlife Service Wetland Data** — **US WETLAND**

The U.S. Fish & Wildlife Service Wetland layer represents the approximate location and type of wetlands and deepwater habitats in the United States.

**USGS Current Topo** — **US TOPO**

US Topo topographic maps are produced by the National Geospatial Program of the U.S. Geological Survey (USGS). The project was launched in late 2009, and the term "US Topo" refers specifically to quadrangle topographic maps published in 2009 and later.

**USGS Geology** — **US GEOLOGY**

Seamless maps depicting geological information provided by the United States Geological Survey (USGS).

**USGS National Water Information System** — **FED USGS**

The U.S. Geological Survey (USGS)'s National Water Information System (NWIS) is the nation's principal repository of water resources data. This database includes comprehensive information of well-construction details, time-series data for gage height, streamflow, groundwater level, and precipitation and water use data.

**Wells from NWIS** — **FED USGS**

The U.S. Geological Survey's National Water Information System (NWIS) is the nation's principal repository of water resources data. The NWIS includes comprehensive information of well-construction details, time-series data for gage height, streamflow, groundwater level, and precipitation and water use data. This NWIW dataset contains select Site Types from the overall NWIS Sites data, limited to the following Group Site Types only: Groundwater Group Site Types: Well, Collector or Ranney type well, Hyporheic-zone well,

Interconnected Wells, Multiple wells; Spring Group Site Type: Spring; and Other Group Site Types: Aggregate groundwater use, Cistern.

## State Sources

**Oil and Gas Wells** **OGW**

A list of Oil and Gas Wells made available by Alaska's Oil and Gas Conservation Commission.

**Public Water Systems** **PWS**

List of Alaska's active public water system (PWS) source locations for wells, intake, springs, infiltration galleries, and rain catchment facility types. Data from the Alaska Department of Environmental Conservation's (ADEC) Safe Drinking Water Information Systems (SDWIS) State database.

**Well Log Tracking System** **WATER WELLS**

A list of Water Well Logs from the Alaska Department of Natural Resources (DNR). Data originates from the Well Log Tracking System (WELTS), which contains water well construction and lithologic information submitted to the Division of Mining, Land and Water, Alaska Hydrologic Survey by water well contractors. The DNR coordinates with the Alaska Geospatial Office to provide WELTS information.

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# TOPOGRAPHIC MAPS

| | |
|---|---|
| **Project Property:** | Wrangell Mill<br>Wrangell Mill<br>Wrangell AK None |
| **Project No:** | 110055-001 |
| **Requested By:** | Shannon & Wilson, Inc. |
| **Order No:** | 22093000437 |
| **Date Completed:** | October 01, 2022 |

**Environmental Risk Information Services**
*A division of Glacier Media Inc.*
1.866.517.5204 | info@erisinfo.com | erisinfo.com

We have searched USGS collections of current topographic maps and historical topographic maps for the project property. Below is a list of maps found for the project property and adjacent area. Maps are from 7.5 and 15 minute topographic map series, if available.

| Year | Map Series |
|---|---|
| 2021 | 7.5 |
| 2017 | 7.5 |
| 1992 | 7.5 |
| 1995 | 15 |
| 1978 | 15 |
| 1963 | 15 |
| 1948 | 15 |

**Topographic Map Symbology for the maps may be available in the following documents:**

*Pre-1947*

Page 223 of 1918 Topographic Instructions

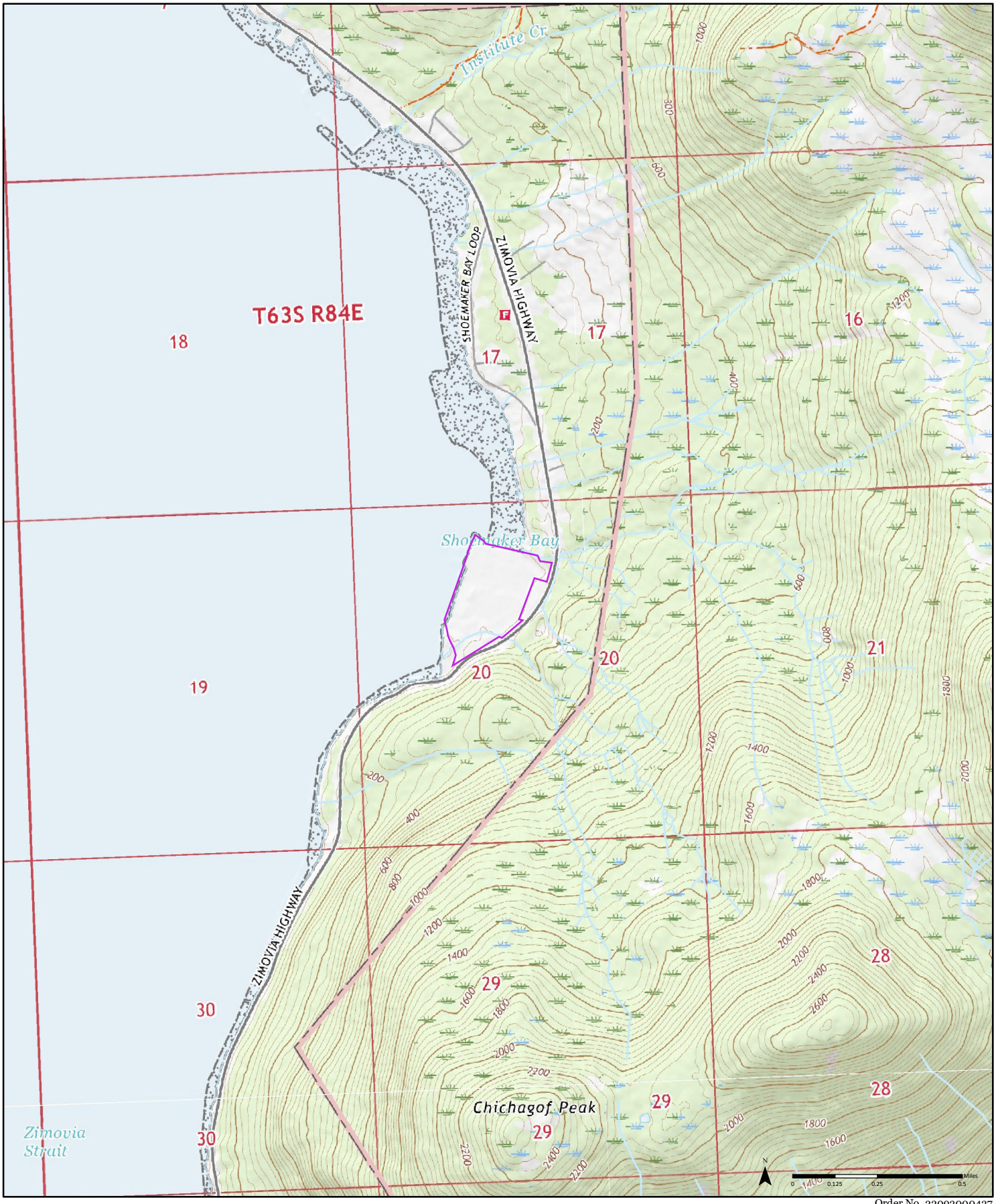
Page 130 of 1928 Topographic Instructions

*1947-2009*

Topographic Map Symbols

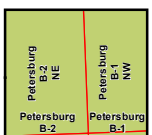
*2009-present*

US Topo Map Symbols




Order No. 22093000437

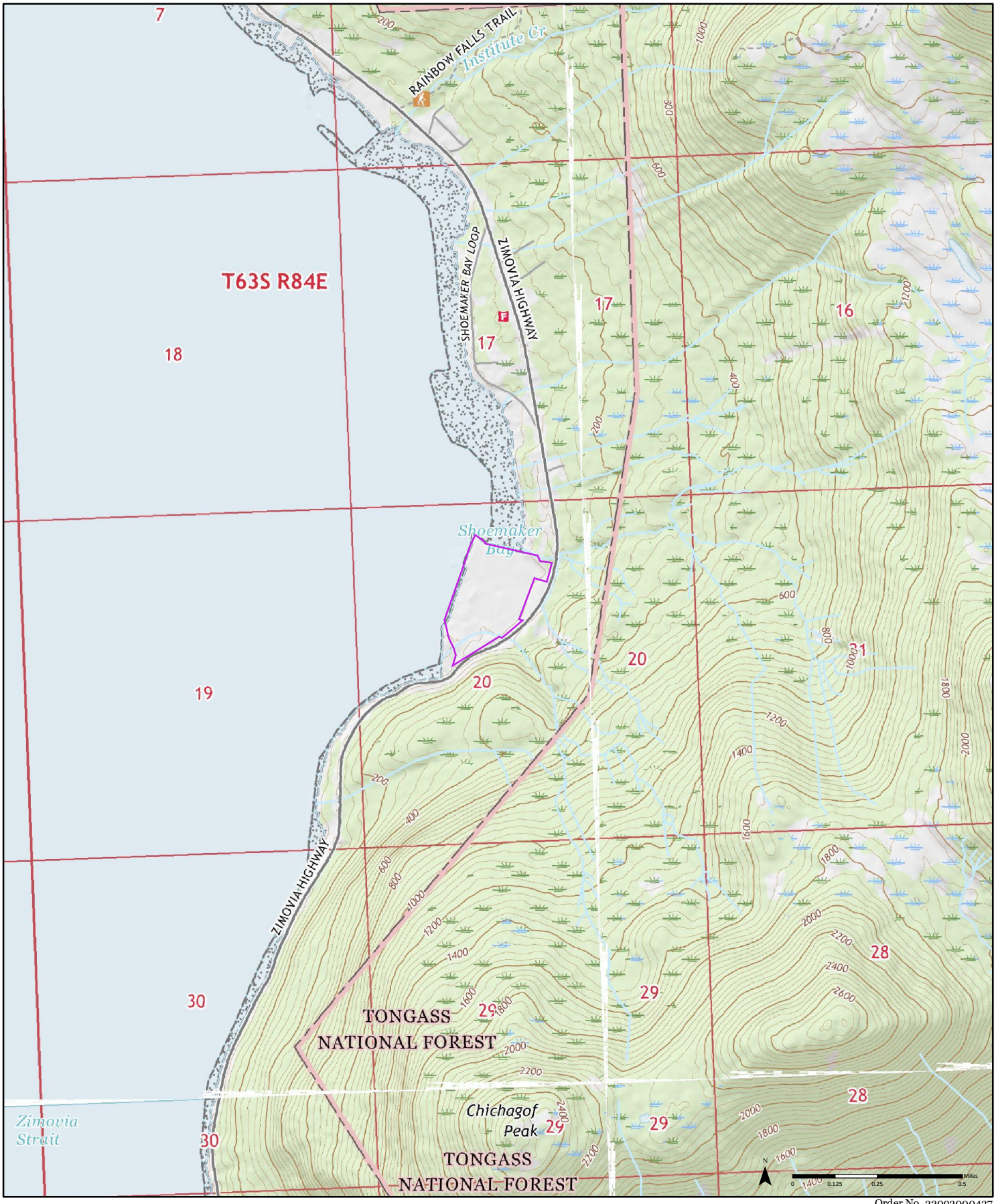
**2021**




**Available Quadrangle(s): Petersburg B-2 NE, AK**
Petersburg B-1 NW, AK
Petersburg B-2 SE, AK
Petersburg B-1 SW, AK

Source: USGS 7.5 Minute Topographic Map

ERIS




Order No. 22093000437

**2017**


**Available Quadrangle(s): Petersburg B-2 NE, AK**
Petersburg B-1 NW, AK
Petersburg B-2 SE, AK
Petersburg B-1 SW, AK

Source: USGS 7.5 Minute Topographic Map

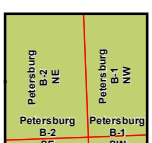

**1992**

(1-1992) *Aerial Photo Year: 1982*

(2-1992) *Aerial Photo Year: 1982*

(3-1992) *Aerial Photo Year: 1982*

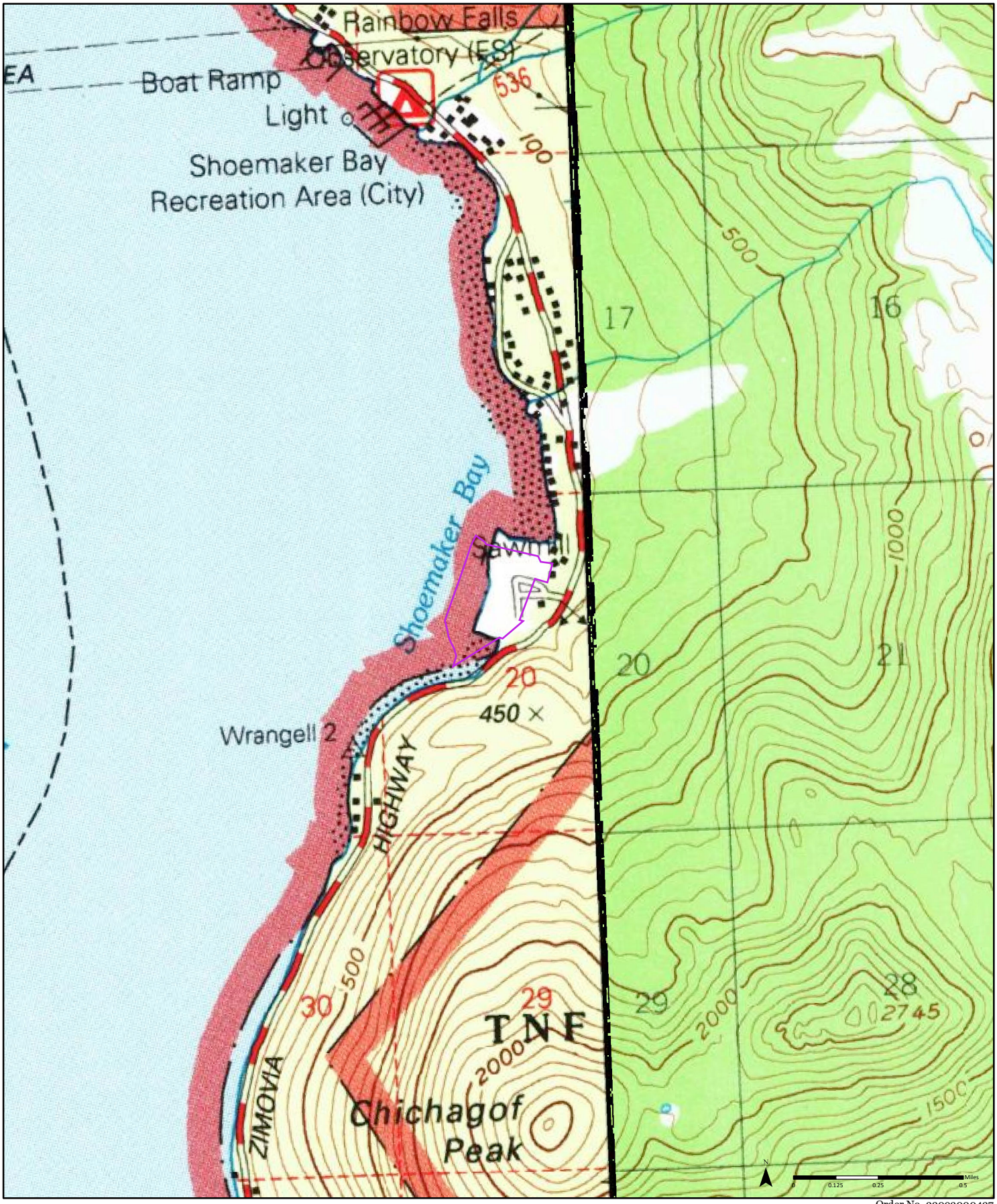
Order No. 22093000437




**Available Quadrangle(s): Petersburg B-2 NE, AK**(1-1992)
Petersburg B-2 SE, AK(2-1992)
Petersburg B-1 NW, AK(3-1992)

Source: USGS 7.5 Minute Topographic Map

ERIS

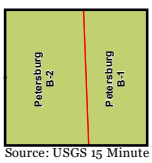



**1995**

(1-1978) *Aerial Photo Year: 1948*

(2-1995) *Aerial Photo Year: 1991*

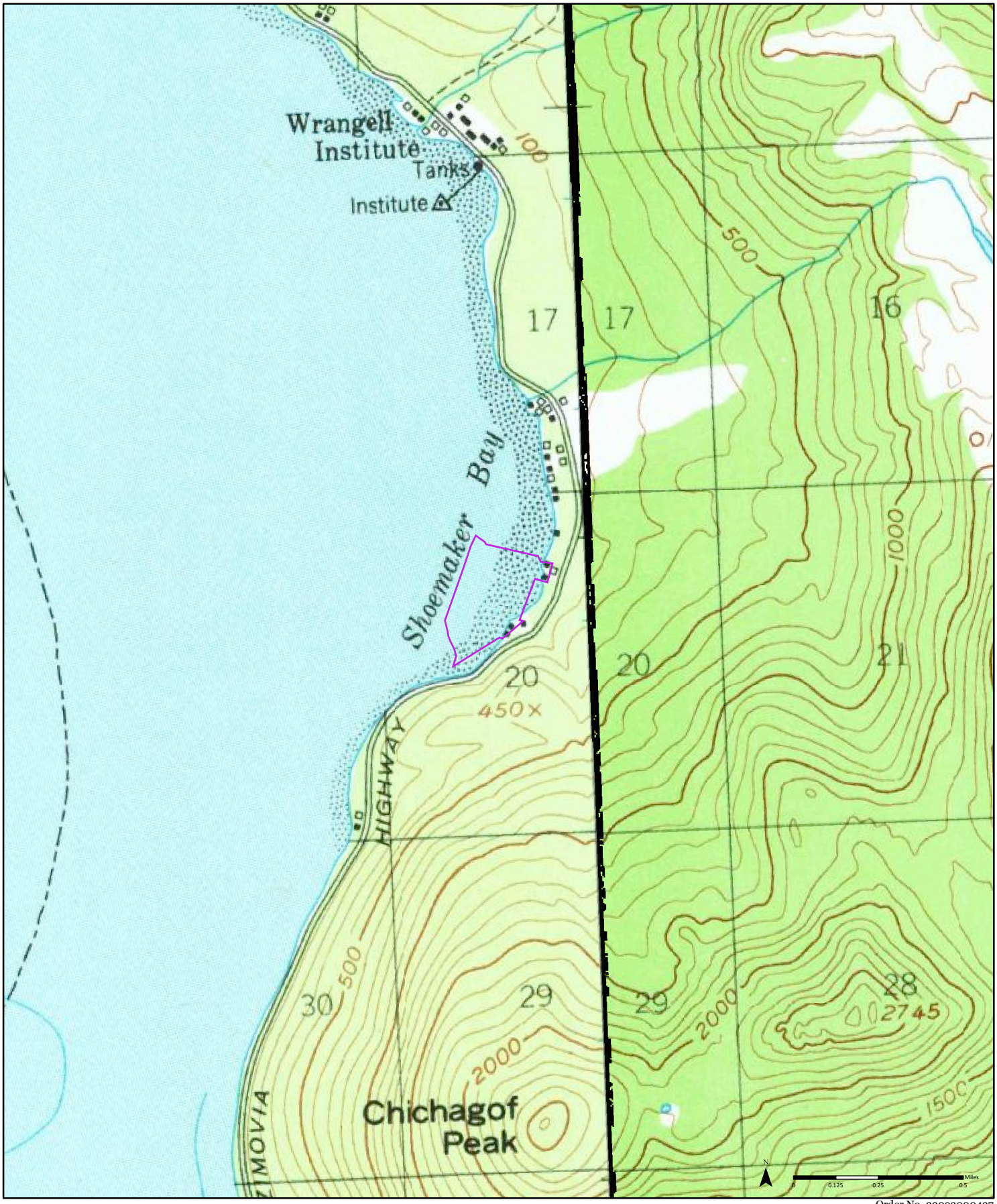
Order No. 22093000437




**Available Quadrangle(s): Petersburg B-2, AK**(2-1995)
Petersburg B-1, AK(1-1978)

Source: USGS 15 Minute Topographic Map

ERIS

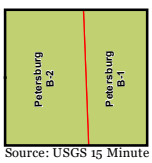



**1978**

(1-1978) *Aerial Photo Year: 1948*

(2-1978) *Aerial Photo Year: 1948*

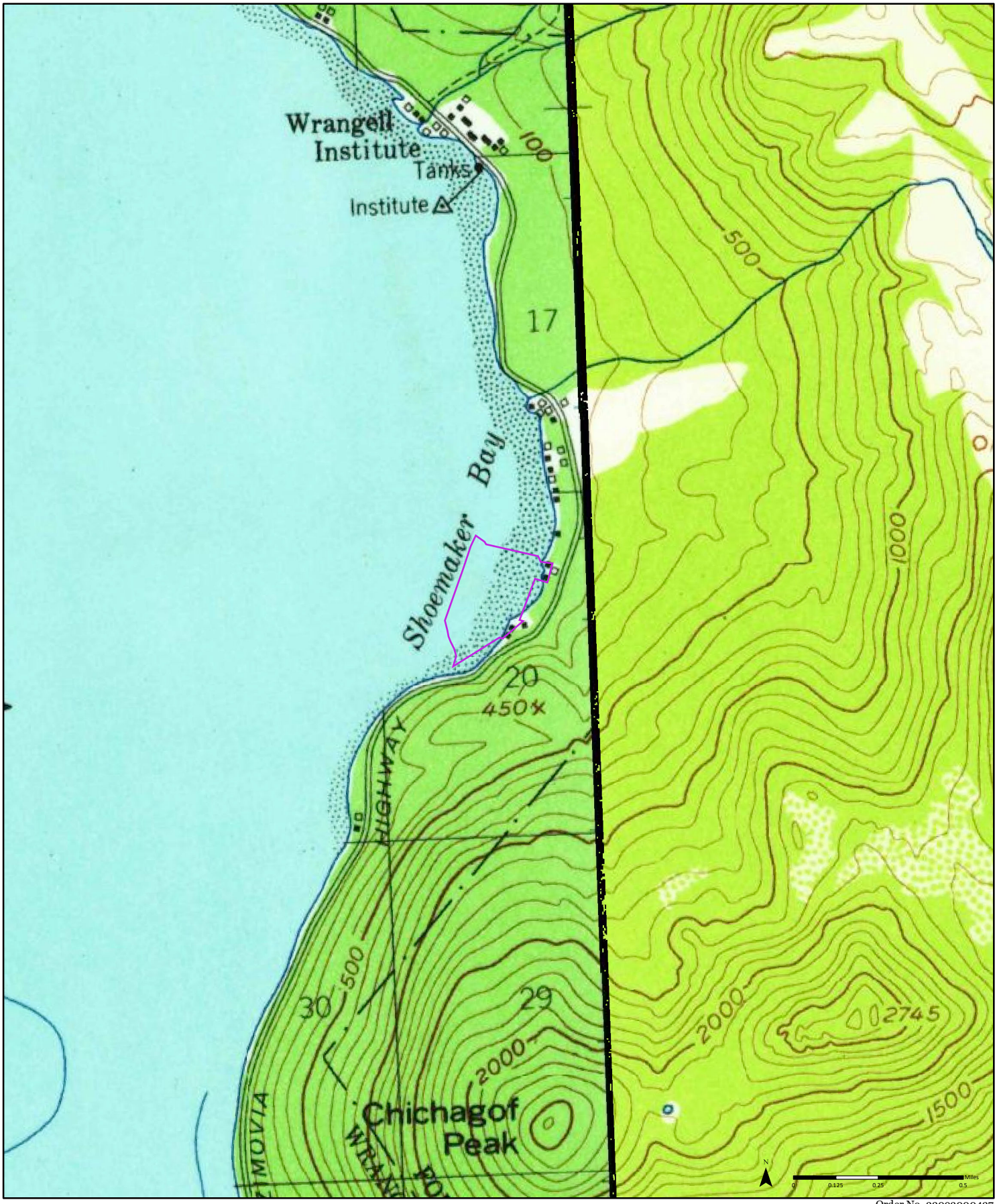
Order No. 22093000437




**Available Quadrangle(s): Petersburg B-2, AK**(2-1978)
Petersburg B-1, AK(1-1978)

Source: USGS 15 Minute Topographic Map

ERIS

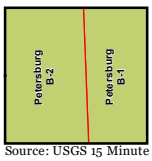



# 1963

(1-1963) *Aerial Photo Year: 1948*

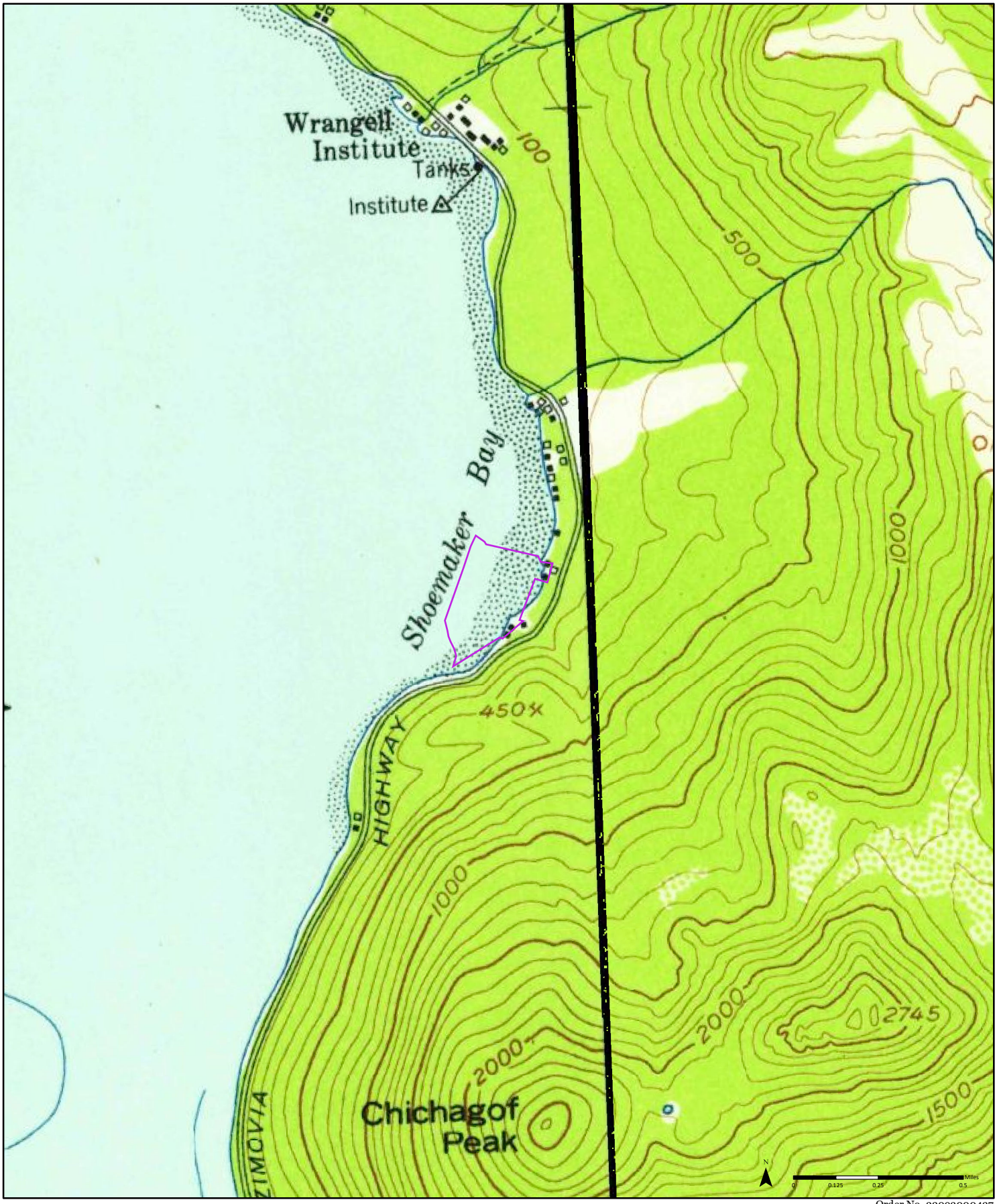
(2-1948) *Aerial Photo Year: 1948*

Order No. 22093000437




**Available Quadrangle(s): Petersburg B-2, AK**(1-1963)
Petersburg B-1, AK(2-1948)

Source: USGS 15 Minute Topographic Map

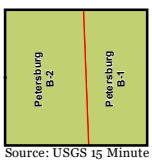



**1948**

(1-1948) *Aerial Photo Year: 1948*

(2-1948) *Aerial Photo Year: 1948*

Order No. 22093000437




**Available Quadrangle(s): Petersburg B-2, AK**(1-1948)
Petersburg B-1, AK(2-1948)

Source: USGS 15 Minute Topographic Map

IMPORTANT INFORMATION

# Important Information

## About Your Environmental Site Assessment/Evaluation Report

IMPORTANT INFORMATION

## ENVIRONMENTAL SITE ASSESSMENTS/EVALUATIONS ARE PERFORMED FOR SPECIFIC PURPOSES AND FOR SPECIFIC CLIENTS.

This report was prepared to meet the needs you specified with respect to your specific site and your risk management preferences. Unless indicated otherwise, we prepared your report expressly for you and for the purposes you indicated. No one other than you should use this report for any purpose without first conferring with us. No one is authorized to use this report for any purpose other than that originally contemplated without our prior written consent.

The findings and conclusions documented in this site assessment/evaluation have been prepared for specific application to this project and have been developed in a manner consistent with that level of care and skill normally exercised by members of the environmental science profession currently practicing under similar conditions in this area. The conclusions presented are based on interpretation of information currently available to us and are made within the operational scope, budget, and schedule constraints of this project. No warranty, express or implied, is made.

## OUR REPORT IS BASED ON PROJECT-SPECIFIC FACTORS.

Our environmental site assessment is based on several factors and may include (but not be limited to) reviewing public documents to chronicle site ownership for the past 30, 40, or more years; investigating the site's regulatory history to learn about permits granted or citations issued; determining prior uses of the site and those adjacent to it; reviewing available topographic and real estate maps, historical aerial photos, geologic information, and hydrologic data; reviewing readily available published information about surface and subsurface conditions; reviewing federal and state lists of known and potentially contaminated sites; evaluating the potential for naturally occurring hazards; and interviewing public officials, owners/operators, and/or adjacent owners with respect to local concerns and environmental conditions.

Except as noted within the text of the report, no sampling or quantitative laboratory testing was performed by us as part of this site assessment. Where such analyses were conducted by an outside laboratory, Shannon & Wilson relied upon the data provided and did not conduct an independent evaluation regarding the reliability of the data.

## CONDITIONS CAN CHANGE.

Site conditions, both surface and subsurface, may be affected as a result of natural processes or human influence. An environmental site assessment/evaluation is based on conditions that existed at the time of the evaluation. Because so many aspects of a historical review rely on third-party information, most consultants will refuse to certify (warrant) that a site is free of contaminants, as it is impossible to know with absolute certainty if such a condition exists. Contaminants may be present in areas that were not surveyed or sampled or may migrate to areas that showed no signs of contamination at the time they were studied.

Unless your consultant indicates otherwise, your report should not be construed to represent geotechnical subsurface conditions at or adjacent to the site and does not provide sufficient information for construction-related activities. Your report also should not be used following floods, earthquakes, or other acts of nature; if the size or configuration of the site is altered; if the location of the site is modified; or if there is a change of ownership and/or use of the property.

IMPORTANT INFORMATION

## INCIDENTAL DAMAGE MAY OCCUR DURING SAMPLING ACTIVITIES.

Incidental damage to a facility may occur during sampling activities. Asbestos and lead-based paint sampling often require destructive sampling of pipe insulation, floor tile, walls, doors, ceiling tile, roofing, and other building materials. Shannon & Wilson does not provide for paint repair. Limited repair of asbestos sample locations is provided. However, Shannon & Wilson neither warranties repairs made by our field personnel, nor are we held liable for injuries or damages as a result of those repairs. If you desire a specific form of repair, such as those provided by a licensed roofing contractor, you need to request the specific repair at the time of the proposal. The owner is responsible for repair methods that are not specified in the proposal.

## READ RESPONSIBILITY CLAUSES CAREFULLY.

Environmental site assessments/evaluations are less exact than other design disciplines because they are based extensively on judgment and opinion and there may not have been any (or very limited) investigation of actual subsurface conditions. Wholly unwarranted claims have been lodged against consultants. To limit this exposure, consultants have developed a number of clauses for use in their contracts, reports, and other documents. These responsibility clauses are not exculpatory clauses designed to transfer the consultant's liabilities to other parties; rather, they are definitive clauses that identify where responsibilities begin and end. Their use helps all parties involved recognize their individual responsibilities and take appropriate action. Some of these definitive clauses may appear in this report, and you are encouraged to read them closely. Your consultant will be pleased to give full and frank answers to your questions.

Consultants cannot accept responsibility for problems that may develop if they are not consulted after factors considered in their reports have changed or conditions at the site have changed. Therefore, it is incumbent upon you to notify your consultant of any factors that may have changed prior to submission of the final assessment/evaluation.

An assessment/evaluation of a site helps reduce your risk but does not eliminate it. Even the most rigorous professional assessment may fail to identify all existing conditions.

## ONE OF THE OBLIGATIONS OF YOUR CONSULTANT IS TO PROTECT THE SAFETY, HEALTH, PROPERTY, AND WELFARE OF THE PUBLIC.

If our environmental site assessment/evaluation discloses the existence of conditions that may endanger the safety, health, property, or welfare of the public, we may be obligated under rules of professional conduct, statutory law, or common law to notify you and others of these conditions.

**The preceding paragraphs are based on information provided by the ASFE/Association of Engineering Firms Practicing in the Geosciences, Silver Spring, Maryland**