



Alaska Department of Environmental Conservation

Reuse & Redevelopment Initiative

Brownfield Assessment



Phase I Environmental Site Assessment

Old Airport Runway

St. Michael, Alaska



Submitted to:
Department of Environmental Conservation
Brownfield Program

By:
SLR International Corporation
June 30, 2007



SLR INTERNATIONAL CORP
4601 Business Park Blvd., Ste. K42
Anchorage, Alaska 99503

PHASE I ENVIRONMENTAL SITE ASSESSMENT

**OLD AIRPORT RUNWAY
FORT ST. MICHAEL
ST. MICHAEL, AK 99659**

Prepared for:

DEC Brownfield Assessments
c/o John Carnahan or Sonja Benson
Alaska Department of Environmental Conservation
610 University Avenue
Fairbanks, Alaska

Prepared by:

Mike Hagen
Sr. Geologist

Reviewed by:

Andy Dimitriou
Principal Geologist

June 30, 2007
Project # 005.0065.06005

EXECUTIVE SUMMARY

SITE DESCRIPTION

The project site (Site) consists of the Old Airport Runway located on Old Airport Way, St. Michael, Alaska (Figure 1). At the time of SLR's site visit, the property use included a community center, three residential dwellings, and new construction of a school. Future development of a Post Office is scheduled for the Site.

The subject property consists of one parcel that totals approximately 76 acres and is developed with five buildings that total approximately 8,000 square feet (Figure 2). The structures occupy approximately 5 percent of the property, with a gravel runway and a recent new school building development covering another 25 percent. The remaining undeveloped portion of the parcel consists of approximately 50 acres of natural vegetation.

Historical research performed for this assessment suggests that portions of the property were used by the Russian American Fur Trading Company as early as 1837. The property belonged to Russia until purchased by the United States of America in 1867. The War Department declared the property a military reservation named Fort St. Michael in 1897. One to three companies of infantry were regularly stationed at Fort St. Michael until it was closed in 1925. No property use was identified at the Site from 1925 until the property became Alaska State property in 1959. The Alaska Department of Transportation (DOT) developed an airstrip on the property in 1963 and managed the property until 1997. DOT transferred ownership of the property to the Village of St. Michael in 1997.

REPORT SUMMARY

Report Section	REC ¹	HREC ²	Data Gap	Comments
Site Reconnaissance	Yes	No	No	<u>RECs</u> discovered during the site reconnaissance are found in the Appendix as Figure 3 and consisted of the following: <ul style="list-style-type: none">▪ tar stained areas; five were found but more may exist▪ abandoned landfill▪ former drum disposal area▪ former drum and battery storage area
Surrounding Property Reconnaissance	Yes	No	No	<u>RECs</u> discovered during site reconnaissance consisted of the following; <ul style="list-style-type: none">▪ tar stained areas; one was found but more may exist
Environmental Records Review	Yes	No	Yes	<u>RECs</u> identified from Environmental records review consisted of the following: <ul style="list-style-type: none">▪ tar stained areas; five were found but more may exist▪ abandoned landfill▪ former drum disposal area▪ former drum and battery storage area

EXECUTIVE SUMMARY (Continued)

Report Section	REC ¹	HREC ²	Data Gap	Comments
Historical Records Review	No	No	Yes	Property records fail to demonstrate property use from 1867 to 1897 and 1925 to 1963. Property use by the U.S. Army from 1897 to 1925 is not clearly defined.
Interviews	Yes	No	Yes	RECs and data gaps were verified by site manager, occupants and other people with knowledge of the property.

¹ Recognized Environmental Conditions

² Historical Recognized Environmental Conditions

CONCLUSIONS

Recognized Environmental Conditions (RECs)

SLR International Corp (SLR) performed a Phase I Environmental Site Assessment (ESA) of the Site identified as Lots 1, 4, 5, and 6 of Tract "B" within U.S. Survey 5579 and that portion of Bridge Street abutting Lots 1, 4 and 6 of said tract and survey all located within the St. Michael Town site. The Site included the buildings and all real property at this location.

The Phase I was performed in conformance with the scope and limitations of the American Society for Testing and Materials (ASTM) Practice E 1527-05. Exceptions to, or deletions from, this practice are described in Section 5.0 of this report. This assessment has revealed no evidence of RECs in connection with the Site, with the exception of the following:

1. Tar Stained Areas
 - Six tar stained areas were identified during our site investigation. Concentrations from analytical samples collected from the tar stained areas in 2000 exceeded Alaska Department of Environmental Conservation (DEC) cleanup levels.
2. Barrel and Battery Dump Site
 - Site activities in 2006 included the removal of three empty barrels at the property. It is not known if all barrels and batteries were removed from this location. There is potential impact to the surface and shallow ground water at the site from the unknown contents of the barrels and batteries.
3. Former Drum Disposal Area
 - Site activities in 2006 included the removal of four empty barrels at the property. It is not known if all barrels were removed from this location. There is potential impact to the surface and shallow ground water at the site from the unknown contents of the barrels.
4. Abandoned Landfill
 - The contents of the abandoned landfill have not been characterized. There is a potential impact to the surface and shallow ground water at the site from unknown contents buried at the landfill.

Historical Recognized Environmental Conditions (HRECs)

This assessment has revealed no evidence of historical recognized environmental conditions in connection with the Site.

ENVIRONMENTAL PROFESSIONAL STATEMENTS

Definition

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional, as defined in §312.10 of 40 CFR 312.

And

Qualifications

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Site. I have developed and performed the all appropriate inquiry in conformance with the standards and practices set forth in 40 CFR Part 312.

Signature

Mike Hagen
Senior Geologist

TABLE OF CONTENTS

EXECUTIVE SUMMARY	I
SITE DESCRIPTION	I
REPORT SUMMARY	I
CONCLUSIONS	II
Recognized Environmental Conditions (RECs)	II
Historical Recognized Environmental Conditions (HRECs)	III
ENVIRONMENTAL PROFESSIONAL STATEMENTS	III
Definition	III
Qualifications	III
Signature	III
1.0 INTRODUCTION	1
1.1 Project Information	1
1.2 Objective	1
1.3 Purpose	2
1.4 Scope of Work, Significant Assumptions, Terms and Conditions	2
1.5 Reliance	2
1.6 User-Provided Information	3
1.7 Provided Documents	3
2.0 RECORDS REVIEW	5
2.1 Federal/State Environmental Records	5
2.1.1 Listings for Site	6
2.1.2 Listings for Nearby Sites with Potential to Impact Site	6
2.2 Local/Regional Environmental Records	7
2.2.1 Alaska Department of Transportation	7
2.2.2 State Historic Preservation Office	8
2.2.3 Alaska Department of Natural Resources	8
2.2.4 Bureau of Land Management	8
2.2.5 Property Records	8
2.3 Historical Records	9
2.3.1 Site and Vicinity History	9
2.3.2 Recorded Land Title Records	10
2.3.3 Aerial Photographs	11
2.3.4 City Directories	13
2.3.5 Historical Fire Insurance Maps	13
2.3.6 Historical Topographic Maps	13
2.3.7 Other Historical Sources	13
2.4 Physical Setting	14
3.0 SITE AND SURROUNDING AREA RECONNAISSANCE	15
3.1 Methodology	15
3.2 Restrictions	15
3.3 General Description	15
3.3.1 Site and Area Description	15

TABLE OF CONTENTS (Continued)

3.4	Exterior Observations	16
3.5	Interior Observations.....	17
3.6	Hazardous Substances and Petroleum Products.....	18
3.7	Underground Storage Tanks/Structures	18
3.8	Aboveground Storage Tanks.....	18
3.9	Adjoining Properties	19
3.9.1	Current Uses of Adjoining Properties	19
3.9.2	Observed Evidence of Past Uses of Adjoining Properties	19
3.9.3	Pits, Ponds or Lagoons on Adjoining Properties.....	19
3.10	Observed Physical Setting	19
4.0	INTERVIEWS.....	20
4.1	Findings from interview with owner.....	20
4.2	Findings from interview with Site manager.....	21
4.3	Required questions	22
4.4	Findings from interviews with major occupants.....	22
4.5	Findings from interviews with past owners and occupants	22
4.6	Findings from interviews with neighboring owners or occupants	22
4.7	Findings from interviews with Others	23
5.0	SIGNIFICANT DATA GAPS	24
5.1.1	Additional Investigation.....	24
6.0	CONCLUSIONS	25
6.1	Recognized Environmental Conditions	25
6.1.1	Recognized Environmental Conditions.....	25
6.1.2	Historical Recognized Environmental Conditions	25
7.0	TAR STAINED AREAS.....	26
7.1	Tar Stained Area Management.....	26
8.0	LOCAL ECONOMIC DEVELOPMENT PLAN REVIEW	27
8.1	Community Development Plan Review.....	27
9.0	REFERENCES.....	28

List of Appendices

Appendix A	Figures
Appendix B	Site Photographs
Appendix C	Historic Photographs
Appendix D	Environmental Data Resources, Inc. Regulatory Agency Database Search Report
Appendix E	Environmental Data Resources, Inc. Historic Topographic Map and Sanborn Map Report
Appendix F	Statement of Limitations
Appendix G	Qualifications of Environmental Professionals

ACRONYMS

%	percent
<	less than
≥	more than or equal to
ACC	Alaska Commercial Company
ADA	Alaska Division of Aviation
AST	aboveground storage tanks
ASTM	American Society for Testing and Materials
bgs	below ground surface
BLM	Bureau of Land Management
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
DEC	Department of Environmental Conservation
DNR	Department of Natural Resources
DoD	U.S. Department of Defense
DOT	Alaska Department of Transportation
DRO	diesel range organics
EDR	Environmental Data Resources, Inc.
ESA	Environmental Site Assessment
GRO	gasoline range organics
HREC	historical recognized environmental conditions
IRA	Indian Reorganization Act
LSH	Limited State Holding
mg/kg	milligrams per kilogram
PA	Preliminary Assessment
PCBs	polychlorinated biphenyls
PIO	Public Information Office
POL	petroleum, oil, and lubricants
ppm	parts per million
PSA	Preliminary Site Assessment
REC	recognized environmental conditions
RRO	residual range organics
SHPO	State Historic Preservation Office
Site	Old Airport Runway
SLR	SLR International Corp
SVOCs	semi- volatile organic compounds
User	DEC Brownfield Assessments
UST	underground storage tanks
VOCs	volatile organic compounds
WAMCATS	Washington-Alaska Military and Cable and Telegraph System

1.0 INTRODUCTION

1.1 Project Information

Client “User” Information:	DEC Brownfield Assessments 610 University Avenue Fairbanks, Alaska 99709	Consultant Information:	SLR International Corp 4601 Business Park Blvd, Suite K42 Anchorage, AK 99503
	<u>Client Contact</u>		<u>Project Manager</u>
Name:	John Carnahan	Name:	Mike Rieser
Phone:	(907) 451-2166	Phone:	(907) 222-1112
E-mail:	john_carnahan@dec.state.ak.us	E-mail:	mrieser@slrcorp.com
Site Latitude/Longitude:	63° 29’N / 162° 02’ W	Inspection Date:	May 22 & 23, 2007
Site Information:	Old Airport Runway U.S. Survey No. 5579, TR. B, Lot 1, Tract 1 St. Michael, Alaska 99659	Interview Date:	March 22, 23, and 29, 2007
		Records Date:	May 22, 2007
		Report Date:	June 30, 2007
		Site Assessor:	Mike Hagen
		Senior Reviewer:	Andy Dimitriou
		Environmental Professional:	Mike Hagen

1.2 Objective

The objective of this Phase I Environmental Site Assessment (ESA) was to identify, to the extent feasible pursuant to the processes outlined in the scope of work, recognized environmental conditions (RECs), or historical recognized environmental conditions (HRECs), as defined by the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation E 1527-05 (ASTM E1527), and other environmental concerns that were neither RECs or HRECs for the Site. The Site is defined as, and limited to, Lots 1, 4, 5, and 6 of Tract “B” within U.S. Survey 5579 and that portion of Bridge Street abutting Lots 1, 4 and 6 of said tract and survey all located within the St. Michael Town site.

The ASTM Practice defines a REC as:

“...the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicated an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground,

groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate government agencies...”

The ASTM Practice defines an HREC as:

“...an environmental condition, which in the past would have been considered a REC, but which may or may not be considered a REC currently. The final decision rests with the environmental professional and will be influenced by the current impact of the HREC on the Site. If a past release of any hazardous substances or petroleum products has occurred in connection with the property and has been remediated, with such remediation accepted by the responsible regulatory agency, this condition shall be considered an HREC...”

1.3 Purpose

This assessment is intended to permit the User to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) liability. This assessment constitutes all appropriate inquiry into the previous ownership and uses of the Site consistent with good commercial or customary practice, as defined in 42 U.S.C. §9601(35)(B) of CERCLA. If RECs are identified during this assessment, there may be continuing obligations on the part of the User to maintain their CERCLA liability limitation.

1.4 Scope of Work, Significant Assumptions, Terms and Conditions

The scope of work, significant assumptions, and terms and conditions applicable to this Phase I ESA are identified in the following documents:

- SLR International Corp’s Proposal dated October 16, 2006.
- ASTM Standard Practice, Designation E 1527-05.
- Statement of Limitations presented in Appendix F of this report.

1.5 Reliance

This report was prepared for the exclusive use of Alaska Department of Environmental Conservation (DEC). No other entity may rely on the information presented in the report without the express written consent of SLR International Corp (SLR). Any use of this Phase I ESA report constitutes acceptance of the terms and conditions under which it was prepared. SLR International Corp’s liability extends only to its client and not to any other parties who may obtain or use this report.

1.6 User-Provided Information

Prior to initiating the site reconnaissance, SLR requested the following information from the User of this Phase I ESA report. Because this was not a land transaction, no title documents were provided for the assessment.

User-Provided Information	Findings
Information on environmental liens on the Site:	Because this was not a land transaction, no title documents were provided for the assessment.
Information on Site activity and use limitations:	Because this was not a land transaction, no title documents were provided for the assessment.
Specialized knowledge or experience of the User that is material to RECs in connection with the Site:	DEC is aware that the site is known to have tar stained areas, an old landfill, a drum disposal area and a drum and battery disposal area.
Knowledge that Site purchase/sale price is significantly lower than market value:	This Phase I ESA report was not generated in response to a land sale.
Commonly known or reasonably ascertainable information about the Site material to RECs:	Commonly known RECs identified at the property include tar pits, an abandoned land fill, and battery and drum disposal locations (Figure 3).
Reason why the User wants to have the Phase I ESA performed:	To support the City of St. Michael's application for further assistance through DEC's Reuse and Redevelopment Initiative and U.S. Environmental Protection Agency's (EPA) Brownfield Program.

1.7 Provided Documents

The following documents were provided to SLR for review:

Document Title	Producer	Date	Source
Site Survey Summary Sheet	U.S. Department of Defense (DoD)	1991	EPA/IGAP Coordinator
<p><u>Description:</u> A DoD Site Survey Summary Sheet, which summarized findings of an environmental survey was completed in 1991.</p> <p><u>Findings:</u> The summary determined that petroleum, oil, and lubricants (POL) barrels found at the site were deemed 'non-military' in origin since the Army has had no presence at the site since 1925.</p>			
Preliminary Site Assessment	FPE/Roen Engineers	1992	EPA/IGAP Coordinator
<p><u>Description:</u> The document presented the findings of a Phase I, Preliminary Site Assessment (PSA), which was conducted for the Alaska Department of Transportation (DOT).</p> <p><u>Findings:</u> The assessment identified several RECs, including the tar-pits located on the subject property. The report indicates the tar spilled from wooden containers imported to the site by the military in the early 1900s.</p>			

Site Assessment Report	Portage Environmental and EG&G Services	1998	EPA/IGAP Coordinator
<p><u>Description:</u> The document described the assessment of reported DoD impact to St. Michael/Bering Straits Native Corporation lands at St. Michael, Alaska.</p> <p><u>Findings:</u> Sampling and laboratory analysis of contaminated soils and water indicated that significant human health risks are associated with the petroleum-product seeps located throughout the village. Diesel range organics (DRO) concentrations were detected at 370,000 milligrams per kilogram (mg/kg) and 270,000 mg/kg at two locations at the site.</p>			
Preliminary Assessment	Ecology and Environment	2000	EPA/IGAP Coordinator
<p><u>Description:</u> This document presented findings of a Preliminary Assessment (PA) at the Fort St. Michael Site for the EPA.</p> <p><u>Findings:</u> Soil samples and surface water samples were collected near the tar stained areas for analysis of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), pesticides, DRO, and gasoline range organics (GRO), and residual range organics (RRO). Laboratory results from soil samples collected at the site indicated DRO concentrations were detected at 27,000 mg/kg and RRO concentrations were detected at 38,000 mg/kg.</p>			

2.0 RECORDS REVIEW

2.1 Federal/State Environmental Records

A regulatory agency database search report was obtained from Environmental Data Resources, Inc. (EDR), which is a third-party environmental database search firm. A complete copy of the EDR report, including the date the report was prepared, the date the information was last updated, and the definition of databases searched, is provided in Appendix C.

Agency List/Database	Search Radius	Number of Listed Sites
Federal NPL	1.0 mile	0
Federal CERCLIS List	0.5 mile	0
Federal CERCLIS NFRAP	Site/Adjoining Property	0
Federal RCRA CORRACTS	1.0 mile	0
Federal RCRA Non-CORRACTS TSD	0.5 mile	0
Federal RCRA Generators	Site/Adjoining Property	0
Federal Institutional Control/Engineering Control Registry	Site only	0
Federal ERNS	Site only	1
State and Tribal-Equivalent NPL	1.0 mile	0
State and Tribal – Hazardous Waste	1.0 mile	1
State and Tribal Solid Waste Facilities	0.5 mile	0
State and Tribal UST/AST Sites	Site/Adjoining Property	0
State and Tribal LUST Sites	0.5 mile	0
State and Tribal Institutional Control/Engineering Control Registry	Site only	0
State and Tribal Voluntary Cleanup Sites	0.5 mile	0
State and Tribal Brownfield Sites	0.5 mile	1

Key:

AST – Aboveground Storage Tank

CERCLIS – Comprehensive Environmental Response, Compensation, and Liability Information System

ERNS – Emergency Response Notification System

LUST – Leaking Underground Storage Tank

NFRAP – No Further Remedial Action Planned

NPL – National Priorities List

RCRA CORRACTS – Resource Conservation and Recovery Act Information

TSD – Treatment, Storage and Disposal

UST – Underground Storage Tank

2.1.1 Listings for Site

St. Michael Former Airstrip St. Michael, AK 99659

The EDR report identified the property in the solid hazardous waste site (SHWS) and Brownfield's databases. The EDR database report identifies the former use of the property as an airstrip. The report comments on the following contamination found at the Site. It should be noted that samples for the analytical data listed below were not collected from the Site but were collected from adjacent property sites.

DRO contamination found in surface soil at 370,000 parts per million (ppm) and 250 ppm, as well as toluene contamination at 36,000 ppm, ethylbenzene concentration at 400 ppm and xylenes concentration at 400 ppm. Contamination near a former airstrip with seep occurring along one side of the airstrip, near the footpath to the school (within 100 feet to 150 feet from the school, and along the Alaska Commercial Company [ACC] store foundation). The estimated overall volume of contaminated soil is 351,360 yards. The contaminated soil volume was calculated in a previous report performed by EG&G, where the contaminated area was defined at a three foot depth over 57 acres.

Supplemental information to the EDR report was obtained from the DEC contaminated sites database, and is summarized as follows:

Contamination has been identified near the former airstrip with seeps occurring along one side of the airstrip, near the footpath to the school and along the ACC foundation. Contamination was first documented in July 1997 and the location of contamination was obtained from the EG&G Report (previously listed in Section 1.7 of this report). DOT is identified as the responsible party, but it is likely that contamination occurred long before the land belonged to them.

The site was initially ranked and added to the DEC contaminated sites database in 1999. The Site Access Value changed from 3 to 2, and DEC personnel characterized the site as a tar pit from the early 1900s. The site was ranked and approved through the DEC Brownfield Assessment process in 2006.

2.1.2 Listings for Nearby Sites with Potential to Impact Site

SLR evaluated data presented in the environmental agency database search report based on distance from the Site, topographic position, nature of the recorded incident, and listed regulatory status. The following listed facilities were considered to be of environmental concern regarding the Site. Each of the facilities was further evaluated by reviewing information from the DEC Contaminated Sites Program records as to whether it creates a REC for the Site. The SHWS sites that are still open, and within 1 mile of the target property, are listed below. The LUST sites that are still open, and within ½ mile of the target property, are also listed below. Additional information from review of DEC records, and the rationale of whether the site constitutes a REC, is provided below:

Listed Facility Name/Address	Database Listing	Distance/Direction from Site	REC? (Yes or No)
Alaska Commercial Property 255 Main Street St. Michael, AK 99659	AK INST CONTROL-- A unique state database	Adjacent to site, across Main Street	No
The Site is currently owned by The North West Company, with Alaska Village Initiatives retained as an affiliate for clean-up of Site. The sale of AC properties included an agreement to cleanup any petroleum problems with contamination. Contaminated soils were found near aboveground storage tanks (ASTs), generator shed, and buried drums at the Site. Approximately 245 cubic yards of DRO-contaminated soils were excavated and treated (land farmed) at the Site. In 2005, no further remedial action planned (NFRAP) was approved by Deb Williams of DEC. DEC determined that the cleanup actions at the site were effective in removing the major sources of contamination.			

2.2 Local/Regional Environmental Records

SLR contacted the following sources to request information pertaining to Site use and/or indicative of RECs in connection with the Site. The following information was requested, as appropriate, from these agencies:

Local Brownfield Lists
Local Lists of Landfills/Solid Waste Disposal Sites
Local Lists of Hazardous Waste/Contaminated Sites
Local Lists of Registered Storage Tank
Local land Records (for activity and use limitations)
Records of Emergency Release Reports
Records of Contaminated Public Wells
Records of PCBs on Site

2.2.1 Alaska Department of Transportation

Agency Name, Contact Information	Finding
Ryan Anderson, P.E., DOT 907-451-5129	As a previous owner/occupant of the Site, DOT was contacted for additional information. Mr. Anderson was not intimately familiar with historic activities at the Site. However, he stated that DOT constructed airstrips in Bush communities like St. Michael in order to provide a method of medical evacuation of residents to nearby medical facilities. In addition to medical and personal transportation use, the airstrip provides a method to transport goods and supplies.

2.2.2 State Historic Preservation Office

Agency Name, Contact Information	Finding
Lacey Hammer State Historic Preservation Office (SHPO) 550 West 7 th Avenue Anchorage, AK 99501	SLR was able to review historic documents and archived photographs regarding the City of St. Michael at the SHPO. Copies of photographs from the SHPO office can be found in the Appendix. According to a variety of records at the SHPO office, the Site was originally occupied by Siberian Yup'ik and Inupiaq Eskimos. The Russians established a post in 1833. The site was occupied by the U.S. Army from 1897 to 1925, and by the DOT from 1963 to 1997. Because of sensitive archeological information regarding the vicinity, no additional information regarding the property can be disclosed. However, no relevant environmental information was available from documents reviewed at the SHPO.

2.2.3 Alaska Department of Natural Resources

Agency Name, Contact Information	Finding
Kathy Johnson Department of Natural Resources (907) 269-8400	Ms. Johnson was contacted for historical ownership information regarding the subject property and vicinity. According to records at the Records office, the Site was purchased from Russia in 1867 and became the Alaska Territory. The Site was converted from the Alaska Territory to Alaska State property in 1959. In 1964 the Site is identified as a Limited State Holding (LSH) and managed by DOT. The management rights were transferred to the Alaska Division of Lands in 1984. According to Ms. Johnson, current property records indicate that property rights belong to the DNR.

2.2.4 Bureau of Land Management

Agency Name, Contact Information	Finding
Kay Public Information Officer 550 West 7 th Avenue Anchorage, AK 99501	The Bureau of Land Management (BLM) office was contacted for information regarding the Site. BLM records indicate that the War Department declared all lands within 100 miles of the flag-staff of the present garrison on St. Michael were declared as a military reservation known as Fort St. Michael.

2.2.5 Property Records

Agency Name, Contact Information	Finding
DNR; Public Information Office	As part of the standard property research, SLR contacted sources that might provide ownership details or insight to property use. DNR provided information regarding property owner status for the Site. According to current records at the Public Information Office (PIO) and Recorder's Office, the St. Michael Airport property was identified as a LSH by the State of Alaska for intended use by the DOT on January 1, 1964. Management rights of the property were turned over to the Alaska Division of Lands on October 2, 1984. According to the most recent records at the PIO, property rights at the site are controlled by DOT.

Agency Name, Contact Information	Finding
Doreen Lockwood EPA/IGAP Coordinator City of St. Michael St. Michael, AK 99659	A quitclaim deed provided by the EPA/IGAP Coordinator was reviewed during our research. According to the quitclaim deed, the property was transferred to the City of St. Michael on January 21, 1997.
Bering Strait Native Corporation PO Box 1008 Nome, AK 99762	No title information was available.
St. Michael Native Corporation PO Box 59049 St. Michael, AK 99659	No title information was available.

2.3 Historical Records

2.3.1 Site and Vicinity History

Based on our review of available documents describing the evolution of St. Michael Island, SLR developed the following historical summary that might provide insight into the previous use of the property and adjacent property.

St. Michael Island is located on the southern coast of Norton Sound and adjacent to St. Michael Bay. During the gold rush years the island city was the deepest sea port north of the Yukon River and offered some protection from the open sea, a characteristic that provided for development of the city and region.

At the location where the City of St. Michael now sits, the Russian America Company established a redoubt, Mikhailivokst, in 1833. Redoubt St. Michael served as the major supply and fur depot for the Yukon-Kuskokwim region under both Russian American and Alaska Commercial trading companies. Also, the site was the western base for expeditions into the interior of Alaska including the Franklin Search Expedition from 1848 to 1854 and the Western Union Telegraph Expedition from 1865 to 1867. Prior to establishing a military post at St. Michael in 1897, the U.S. government operated a weather station, school and post office at the site. Records from the weather station exist from 1874. In 1886 a government school operated.

When news of the Klondike gold discoveries spread in 1897, large numbers of people headed north. The all-water route began in either Seattle or San Francisco, then to the west coast of Alaska and continued on to the Yukon River. The route was the longest but easiest route to the Yukon gold fields. As ocean-going vessels were blocked from direct entry to the Yukon River by shallow waters off the mouth, passengers and freight had to transfer to shallow draft sternwheelers. The closest deep sea port to the river mouth was at St. Michael. Consequently the site became the transfer point and later a river steamer construction center. Private enterprises rapidly organized and built hotels and warehouses at St. Michael. One hotel named Healy's could reportedly accommodate 500 guests. Estimates of people

who wintered at St Michael awaiting transportation to or from the gold fields have extended as high as 10,000. The bulk of supplies to the interior were transported via the all-water route between the months of June and October.

The U.S. Army was brought in to keep order in the boom town of St. Michael. General Order 59, issued by the War Department on October 20, 1897, declared that St. Michael Island and all land within 100 miles of the flagstaff a military reservation. The order specified that buildings on the reserved land at the site would not need to be removed, and new structures could be built after securing permission from the War Department. The Fort was surveyed the next year; U.S. Survey 4100 and the buildings were constructed.

U.S. Fort St. Michael consisted of a complex of yellow and white wood-framed buildings with the warehouses covered with metal siding. The main complex was northwest of the Russian redoubt site, Russian Orthodox Church properties, and Northern Commercial Company (formerly Alaska Commercial Company) buildings. The flagstaff was placed just south of the Northern Commercial Company structures. The military used four separate locations around the island in support of its operations. The main complex included several warehouses, barracks, armory, and a jail that were clustered from the waterfront north and cut the community of St. Michael approximately in half. Southwest of the main complex, along the waterfront, was the shipyard and quartermaster's depot. On the eastern tip of the island were the Washington-Alaska Military and Cable and Telegraph System (WAMCATS) and post cemetery. Target ranges were located northeast and northwest of the village site. The military installation was connected by wide boardwalks built directly on the tundra. The army also constructed a railroad track that bisected the Site. The railroad track, sometimes referred to as the tramline, led north from the waterfront and Army warehouses along the west end of the main complex, and curved east behind the military buildings, and headed toward the wireless station (SHPO, 1976).

Yukon River traffic and St. Michael flourished until completion of the Alaska Railroad in 1923. When river traffic declined with the completion of the Alaska Railroad in 1923, a number of boats were abandoned at St. Michael. The Alaska Railroad offered year round service to the interior. In 1925, Fort St. Michael was abandoned and the community population continued to reduce. By 1930 the population had dwindled to 147 (SHPO, 1976).

Alaska achieved statehood in 1959 and the DOT managed an airstrip at the Site from 1964 to 1997. The DOT transferred property ownership of the Site to the City of St. Michael in 1997. Since the property transfer in 1997, a portion of the Site has been used by the City of St. Michael as a community center and for residential purposes.

2.3.2 Recorded Land Title Records

Because this assessment was not conducted for a property transaction, SLR did not receive a title report, and recorded land title records were not provided by the User for our review. During historical records review, SLR was only able to secure one formal document in the form of a quitclaim deed that identifies Site property use.

Recorded Land Title Records

Property	Year	Owner
St. Michael Airport	1897	U.S. Army (Executive Order)
St. Michael Airport	1964	DOT (quitclaim deed)
St. Michael Airport	1997	City of St. Michael (quitclaim deed)

Source of information: War Department Correspondence, DNR, PIO, and the City of St. Michael

2.3.3 Aerial Photographs

Five historical aerial photographs were reviewed as part of this work effort. Copies of the aerial photographs can be found in Appendix A. Observations of site conditions are presented below in chronologic order.

Year	Scale	Observations, of the Site and Adjoining Properties
7/30/1963	1"=300'	Only the southern portion of the target property is covered by this photograph. Vegetation covers the majority of the site; approximately 30 percent (%) of the site vegetation has been cleared from the northern portion of the property. Developments at the site include an active gravel airstrip situated in the center of the property, three permanent structures assumed to be residential dwellings situated in the central portion of the property, and a pathway that connects the permanent structures. Some modifications to the surface (traffic patterns and soil mounds) appear evident in the southern portion of the property, in the area where the tarpits are known to exist today. Adjacent property to the west is largely undeveloped, with the exception of a cemetery. Adjacent property to the southwest is undeveloped but surface signatures of development are observed. Adjacent property to the south and east consists of sparsely developed structures. The military 'Armory' building is situated just off the property to the east. The dwellings to the south consist of old wooden residential dwellings constructed as early as 1908.
7/22/1975	1"=300'	The general layout of the property in this photograph is very similar to the 1963 photograph. Modification to the permanent structures and the addition of one outbuilding is identified. Regular use of the gravel air strip and continued development of the trails and pathways on the property is apparent. There appears to be a patch of bare soil near the north property boundary along an established path, which corresponds to the known location of the abandoned dump. Adjacent property to the east and west appears vacant except for the construction of two large warehouse-like structures to the southwest. Continued development of the roadway and property to the south can be observed. Prominent developments to the south include four large warehouse-like buildings, which include the ACC Store and the ACC Manager's House.
7/18/1980	1"=300'	Continued mixed residential and aviation use of the property is identified in this photograph. It appears there is increased activity in the southern developed portion of the property. Increased traffic patterns and development of pedestrian boardwalks are identified on the site and around the structures. The abandoned dump area appears to be actively

Year	Scale	Observations, of the Site and Adjoining Properties
		used; marked by developed trail use, and an increased surface signature at the dump area. Adjacent property to the west and south appear unchanged from the previous photo. Increased residential development can be identified on the adjacent property to the east.
11/2/1991	1"=300'	Significant development at the target property can be identified in this aerial photograph. The airstrip has been developed; widening and extension of the airstrip are easily identifiable. Development of a pad and construction of a maintenance shed can be observed on the southwest side of the airstrip. Roadways providing access to the property and along property boundaries have been developed. No activity associated with the abandoned dump can be identified. Adjacent property to the west remains undeveloped. Increased commercial development of property to the southwest and south can be identified. Residential developments to the east appear relatively unchanged.
6/27/2004	1"=300'	Conditions at the property during our site visit in 2007 appeared similar to the 2004 aerial photograph. The airstrip is present but has been functionally discontinued for aircraft support. An outdoor basketball court can be identified in the middle of the airstrip. Development of the St. Michael Community Center can be identified at the southern end of the airstrip. Three modular residential dwellings are identified in the southwest portion of the property. Several Conex buildings and stacks of building materials to support the installation of a municipal water system are identified along the airstrip. Surrounding property activity includes increased development of the roadways located on the property and adjacent properties. Adjacent property to the west remains largely undeveloped, except for the local community landfill identified to the northwest. Commercial and residential use of the adjacent property to the south and east appears similar to the previous photograph.

Source of aerial photographs: Aero-Metric, Inc. 2014 Merrill Field Drive, Anchorage, Alaska 99501

2.3.4 City Directories

Property	Year	Tenant from Historical City Directories
St. Michael, AK 99659	N/A	No Polk listing available for the Site.

Name of city directories and source: No city directory coverage of any type is available for the area.

2.3.5 Historical Fire Insurance Maps

Year	Occupant of Site/Adjoining Properties; Hazardous Material Storage
All Available	All years contained in the Sanborn Library were reviewed for the Site and vicinity. There was no coverage for the Site.

Name of maps and source: EDR

2.3.6 Historical Topographic Maps

Year	Scale	Observations
1952	1:63,360	<u>Historical Topographic Map</u> – Residential development at St. Michael Island is identified. Other observations include the approximate locations of winter trails leading to St. Michael. No specific features on the property are identifiable.

Name of map and source: EDR; St. Michael USGS Quadrangle, 1952.

2.3.7 Other Historical Sources

Other historical sources that identify Site property use were obtained from a variety of historical documents, including engineering and geology reports, Department of Interior correspondence, DNR correspondence, Alaska state history documents, historical building review documents, and photographs from SHPO. Relevant information to the Site and vicinity is provided below.

Property	Year	Owner
St. Michael Airport Vicinity	1833-1867	Russian American Trading Company
St. Michael Airport Vicinity	1867-1959	Territory of Alaska
St. Michael Airport Vicinity	1897-1925	U.S. Army, Fort St. Michael
St. Michael Airport Vicinity	1925-1963	No information available
St. Michael Airport Vicinity	1959-1963	State of Alaska
St. Michael Airport	1963-1997	DOT
St. Michael Airport	1997-2007	City of St. Michael

2.4 Physical Setting

Physical Setting	Information
Topography	USGS, St. Michael (B-1), AK, Scale 1:63,360 Site topography is generally flat with gradual slopes leading towards St Michael Bay to the south and Norton Sound to the north.
General Geology	Bedrock found on St. Michael Island is composed entirely of Quaternary volcanic basalts. The unit is characterized as a series of columnar jointed basalt flows, various pyroclastic materials (ash, tuff, and breccia) and some craters and cones. Local beach deposits are generally derived from the volcanic rocks which crop out along the ocean shores (ADA, 1980).
Soil/Bedrock Data	Soils generally consist of a relatively thin veneer of wind-deposited organic silts that contain permafrost. Average depth to permafrost at the Site is 4.0 feet below ground surface (bgs). A soils investigation performed in St. Michael in 1979 reported permafrost extending to depths of approximately 200 feet bgs (ADA, 1980).
Estimated Depth to Ground water/ Direction of Gradient	No ground water information was available. The community receives drinking water from a nearby lake. Results from a ground water well drilled at the Site in 1979 provided non-potable saline water.

Sources of this information: USGS Topographic Map, Engineering and Geology Section of the Alaska Division of Aviation (ADA), 1980.

3.0 SITE AND SURROUNDING AREA RECONNAISSANCE

Access to the Site was provided by Ms. Doreen Lockwood, the EPA/IGAP Coordinator and a site tenant. Ms. Lockwood also accompanied SLR on the site visit. The site investigation was conducted on May 22 and 23, 2007. The weather-related conditions at the time of the site visit were partly cloudy with 10 knot winds and an ambient air temperature of 45 degrees Fahrenheit. Site conditions were captured with a digital video camera. Two copies of the recording accompany this report.

3.1 Methodology

SLR utilized the following methodology to observe the Site:

- Traverse the outer site boundary.
- Traverse transects across the site.
- Traverse the periphery of all structures on the site.
- Visually observe accessible interior areas expected to be used by occupants or the public, maintenance and repair areas, utility areas, and a representative sample of occupied spaces.

3.2 Restrictions

Restriction Type	Comments
Weather-related restrictions:	None
Facility access restrictions:	None
Client-related restrictions:	None

3.3 General Description

3.3.1 Site and Area Description

The Native Village of St. Michael is located in Alaska on the east coast of St. Michael Island in Norton Sound (Figure 1). The Village lies approximately 400 miles northwest of Anchorage, Alaska and 125 miles southeast of Nome, Alaska. The property is situated at approximately 63.478 degrees north latitude and 162.039 degrees west longitude in Section 19, Township 23 South, Range 17 West, Kateel River Meridian. The legal description of the property is identified as Lots 1, 4, 5, and 6 of Tract "B" within U.S. Survey 5579 and that portion of Bridge Street abutting Lots, 1, 4 and 6 of said tract and survey (Figure 2), all located within the St. Michael Townsite. The total property area consists of approximately 76 acres and is occupied with six permanent structures used for residential dwellings and community services. The Indian Reorganization Act (IRA) Council has a Community Center building on the Site that is approximately 8,000 square feet. The Community Center Building

accommodates community events, the local Head Start Program, and contains office space for a variety of local government offices. The general site features of the property are shown in Figure 3. The Site has been owned and occupied by the City of St. Michael since the property was transferred by DOT in 1997. From 1963 to 1997, DOT managed an airstrip at the Site. No information about the property use was identified from 1925 to 1963. Before 1925, portions of the Site were occupied by the U.S. Army; including the WAMCATS system and the tramline, which both bisected the Site.

The main structure on the property consists of the community center, which was constructed in 2000. Three modular residential dwellings are situated west of the community center. The occupied dwellings were transported to the site in 2003 but are not connected to water or sewer services. The shed constructed by DOT in the early 1960s remains in use at the Site for machine storage. Norton Sound bounds the property to the north. The adjacent property to the west consists of a cemetery and vacant, vegetated lands. Adjacent property to the south and east consist of residential dwellings and the ACC Store, which sells groceries and dry goods.

Information	Finding
Estimated % of Site location covered by buildings and/or improvements:	<5% buildings, <15% improved airstrip and roadways, <10% new construction footprint, >70% vacant vegetation
Observed evidence of past Site use(s):	Improved airstrip landing pad and associated DOT outbuilding in central portion of property
Sewage disposal method (and age):	Sewer lines connected to a municipal sewer system that leads to the City of St. Michael landfill
Source of potable water:	Potable water is controlled by the City of St. Michael. The water is collected from Clear Lake, which is located approximately 2 miles to the west of St. Michael. Before distribution via above ground piping, the water is treated and stored in a holding tank.
Electric utility:	Alaska Village Electric Cooperative (AVEC)

3.4 Exterior Observations

SLR made the following observations during the reconnaissance of the Site, as well as the periphery of all structures on the Site.

Observation	Description
Roads or paths with no apparent outlet observed on the Site:	None observed.
On-site pits, ponds, or lagoons:	Naturally occurring surface water was found throughout much of the site. A large pond is located in the northern portion of the site. Many smaller ponds and wetland-like areas are found near the north end of the airstrip and along both sides of the airstrip.

Observation	Description
Stained soil or pavement:	Five areas impacted by tar (described as tar-pits) were identified near the southern property boundary. The surface signature, in terms of area, impacted by the tar stained area was approximately 250 square feet.
Stressed vegetation:	No areas of stressed vegetation were identified.
On-site solid waste disposal:	No solid waste disposal activities are conducted at the site.
Abandoned waste disposal area:	Solid waste of unknown origin; items identified during our site reconnaissance consisted of empty 55-gallon barrels, empty 5 gallon buckets, glass bottles, aluminum cans, and other common household waste.
Waste water:	Waste water generated at the community center is not treated and is directed into the sewer system that is discharged into the community landfill. Residential dwellings at the site utilize portable containers that are emptied into the sewer system.
Storm water:	There are no paved areas at the site. Consequently, much of the rainfall is absorbed by the soils and vegetation. In the event of a large rainfall event, surface water collection appears to occur along the east and west sides of the airstrip. A subtle drainage divide occurs in the center of the property directing surface water accordingly. Water on the north side of the divide generally flows towards, or into Norton Sound. Water on the south side of the divide generally flows towards, or into, St. Michael Bay.
Wells:	No wells were observed or reported at the property. Drinking water is supplied, via above ground piping, from a lake located approximately 2 miles west of the site.
Septic systems:	No evidence of septic systems was observed.

3.5 Interior Observations

SLR made the following observations during the site reconnaissance of the interior of structures housing the Site, accessible common areas expected to be used by occupants or the public, maintenance and repair areas, including boiler rooms, and a representative sample of occupant spaces:

Observation	Description- both locations
Heating/cooling method:	Forced air and radiant heaters supplied with heating oil tanks were observed at the community center and all residential dwellings.
Stains or corrosion:	No significant staining was identified.
Floor drains and sumps:	Main building/offices: Floor and sink drains located in the building connected to the waste water system.

3.6 Hazardous Substances and Petroleum Products

SLR made the following visual and/or physical observations during the site reconnaissance and/or identified the presence of the following during the interview or records review portions of the assessment:

Observation	Description
Hazardous substances and petroleum products:	Five heating oil drums were identified on the property. Minor amounts of fuel, oil and lubricants stored in 1 pint to 1 gallon containers, were associated with the new school construction.
Drums (more than or equal to 5 gallons):	Five partially filled and three empty 55-gallon heating oil drums.
Strong, pungent, or noxious odors:	None observed.
Pools of liquid:	Tar stained areas; during our reconnaissance a total of six tar stained areas were identified. Five tar stained areas were identified in the southern portion of the property and one was identified on the adjacent property to the south. The tar stained areas varied in size, but generally occupied approximately 50 square feet. The vertical extent of the tar stained areas is unknown.
Unidentified substance containers:	No unidentified substances were observed
PCB-containing equipment:	An electric transformer located on the property was inspected. A visible non-PCB marker was not identified; the transformer appeared to be in good condition and no leaks were identified.

3.7 Underground Storage Tanks/Structures

UST/Structure	Observations
Existing USTs:	None reported or identified on the Site.
Former USTs:	None reported or identified on the Site.
Other Underground Structures:	None observed.

3.8 Aboveground Storage Tanks

AST	Observations
Existing ASTs:	100-gallon diesel/heating oil tank - truck mounted (mobile re-fueler) (1) double walled 10,000-gallon gasoline tank- empty never used at the site (2) double walled 500-gallon heating oil ASTs that support the community center.
Former ASTs:	None observed or reported.

3.9 Adjoining Properties

3.9.1 Current Uses of Adjoining Properties

North:	Vacant—The Norton Sound bounds the property to the north.
South:	Commercial and Residential – Adjacent property to the south and southwest includes the old St. Michael school site and several residential dwellings. The AC store is adjacent to the subject property, across Airport Road to the southeast.
East:	Residential – Adjacent property to the east, across Airport Road, consists of single family residential dwellings.
West:	Cemetery – The adjacent property to the west consists of an old City of St. Michael/Russian Orthodox Cemetery, the cemetery is approximately 100 years old. Other adjacent property consists of vegetated wetlands, a pond and vegetated uplands. The City of St. Michael sewer facility and landfill is located approximately 600 feet to the northwest of the west property boundary.

3.9.2 Observed Evidence of Past Uses of Adjoining Properties

North:	Vacant.
South:	Commercial, residential, and military; Fort St. Michael, the previous AC store and other associated buildings were partially located on the southern portion of the property and adjacent property.
East:	Residential.
West:	Residential and military; Fort St. Michael was partially located on the property and adjoining property to the west. Remnants include abandoned structures, buried WAMCAT telegraph poles and a buried tram line.

3.9.3 Pits, Ponds or Lagoons on Adjoining Properties

North:	Inland wetland areas and Norton Sound were identified north of the property.
South:	Low elevation wetlands, several natural and man-made and naturally occurring depressions, evidence of earthmoving operations / stockpiling of soil
East:	Low elevation wetlands and several natural and man-made and naturally occurring depressions
West:	A pond, several low elevation wetland areas, natural and man-made and naturally occurring depressions, evidence of earthmoving operations / stockpiling of soil

3.10 Observed Physical Setting

Observed Physical Setting	
Topography of the Site locations and surrounding area:	Physical settings at the site range from flat terrain to gradual slopes to hummocky terrains. Portions of the property have been raised on a gravel fill pad from the surrounding wetlands, including the old airstrip and community center building. A subtle topographic divide in the central portion of the property creates gradual slopes that originate in the center of the property and extend to the north and south.

4.0 INTERVIEWS

4.1 Findings from interview with owner

Interview Questions	Findings
Name, Title, Telephone Number, Years Familiar with Site	Shirley Martin, City of St. Michael Indian Reorganization Act (IRA) President, (907) 923-2304; Ms. Martin has been acting IRA president since February 2007 and is familiar with the City of St. Michael and the Site for over 30 years.
Current Use of Site:	Property use at the site consists of mixed residential and municipal use. Three modular residential dwellings are located at the site and have just recently been transferred to private ownership. Municipal use at the property includes the community center, a proposed U.S. Post Office and the proposed St. Michael school (currently under construction).
Past Use(s) of Site:	The entire property was claimed by the U.S. Army in the late 1890s and occupied by the military until 1925. The property was developed and used by the DOT from the early 1960s until 1997. In 1997 the City of St. Michael began to develop and use the property. No other information regarding the data gaps was known.
Current Use of Surrounding Properties:	The property to the west is used as a cemetery or is otherwise vacant. Property to the south and east consists of residential dwellings. The ACC Store, which sells groceries and dry goods, is located across the street to the south.
Past Use(s) of Surrounding Properties:	The military used the property and surrounding area as part of Fort St. Michael. No other past use of surrounding property was noted.
Current or Past Hazardous/Petroleum Material Use, Storage, Disposal:	The community center and residential dwellings at the Site currently store and use heating oil. An area in the northern portion of the property was formerly used as a landfill. Two other areas at the property were known disposal sites for 55-gallon drums and used batteries.
Current or Past Regulatory Action(s):	None identified.
Past Releases of Hazardous/Petroleum Materials on the Property:	The release of materials that resulted in the tar pits in the southern portion of the property. Ms. Martin suggested the tar was brought over for use by the military in the early 1900s. The tar was left behind when the military abandoned Fort St. Michael in 1925.
Other Environmental Information (Permits, etc.):	None.

4.2 Findings from interview with Site manager

Interview Questions	Findings
Name, Title, Telephone Number, Years Familiar with Site	Doreen Lockwood, EPA/IGAP Coordinator, (907) 923-2304; worked on-site for 5 years. Emily Kobuk, Tribal Coordinator, (907) 923-2304; familiar with site since early 1960s. Frank Myonek, DOT representative (907) 923-2304; familiar with site since the 1960s.
Current use of Site:	Primary purpose is the St. Michael Community Center. Other use includes office space for Head Start Program, IRA Council, City of St. Michael, EPA/IGAP Coordinator, and Tribal Coordinator.
Past Use(s) of Site:	Fort St. Michael barracks, buildings and boardwalks crossed the property before they were all abandoned and razed; military use was from 1897 to 1925. No information available for the Site from 1925 to the early 1960s. The DOT occupied and operated an airstrip from the early 1960s until 1997. Since 1997 the site has been used by the City of St. Michael.
Current Use of Surrounding Properties:	<u>North:</u> None, property consisted of Norton Sound, which leads to the Bering Strait. <u>South:</u> Residential dwellings and the grocery store (ACC Store). <u>East:</u> Residential dwellings. <u>West:</u> The cemetery, landfill and city sewage outlet.
Past Use(s) of Surrounding Properties:	<u>North:</u> No known use. <u>South:</u> Residential dwellings; the old Russian Cabins that housed early Russian immigrants, Fort St. Michael and the old ACC Store which sold groceries, dry goods, and gasoline. <u>East:</u> Residential dwellings. <u>West:</u> Cemetery, vacant property, landfill.
Current or Past Hazardous/Petroleum Material Use, Storage, Disposal:	No petroleum products or hazardous materials are generated at the subject property.
Current or Past Regulatory Action(s):	No known regulatory actions are pending.
Past Releases of Hazardous/Petroleum Materials on the Property:	During the U.S. Army control of St. Michael, several wooden barrels that contained tar were transported to the site. When the U.S. Army abandoned Fort St. Michael, the barrels that contained tar were left behind with other miscellaneous materials. The barrels deteriorated over time, which resulted in the release of the contents (tar) to the surface.
Other Environmental Information (Permits, etc.):	A Department of the Army Permit described in the Corps of Engineers' Public Notice No POA-2007-367, St. Michael Bay, serves as application for State Water Quality Certification from DEC. The permit certifies that any discharge during excavation and school construction activities will comply with the Clean Water Act.

4.3 Required questions

SLR interviewed the User and Owner/Key Site Manager regarding their awareness of any pending, threatened, or past incidences of the following:

Interview Questions	Owner	Key Site Manager	User
Litigation Relevant to Hazardous Substances or Petroleum Products in, on, or from, the Site or either location?	No	No	No
Administrative Proceedings Relevant to Hazardous Substances or Petroleum Products in, on, or from Site or either location?	No	No	No
Notices From Any Governmental Entity Regarding Possible Violations of Environmental Laws or Possible Liability Relating to Hazardous Substances?	Yes	Yes	Yes

4.4 Findings from interviews with major occupants

Name, Title	Telephone	Comments
No other occupants at the Site were available for interview.		

4.5 Findings from interviews with past owners and occupants

SLR attempted to interview past owners and occupants who are likely to have material information regarding the potential for contamination at the Site to the extent that they have been identified and that the information likely to be obtained is not duplicative of information already obtained from other sources. SLR was not able to contact a previous owner or occupant; however, DOT was contacted and interviewed (see Section 2.2.1).

4.6 Findings from interviews with neighboring owners or occupants

Neighboring owners or occupants were interviewed for additional information regarding the Site.

Name, Title	Telephone	Comments
Frank Myonek	907-923-2304	Mr. Myonek was born in a residential dwelling adjacent to the Site, and has lived in St. Michael for several years. Mr. Myonek indicated that the U.S. Army left barrels of tar in St. Michael when they abandoned Fort St. Michael in 1925. During our interview, he showed the locations of the tar pits and pointed out the metal scraps left behind that were formerly used to band tar barrels.

4.7 Findings from interviews with Others

SLR was unable to establish contact with tribal elders of St. Michael during our site visit, but Doreen Lockwood the EPA/IGAP Coordinator was able to ask the elders about the property history:

Name, Title	Comments
Mary Cheemuk St. Michael Elder	Mary Cheemuk is an elder of St. Michael and was born in 1934. When asked, about the property and vicinity history, she said that before the airport was built, there were no developments on the property. She cannot remember when the airport was built or any activities at the property.
Roy Ashenfelter Land Coordinator for Kawarak 907-443-4323	Mr. Ashenfelter said the City of St. Michael was originally owned by the Russians, then released to the natives of St. Michael locals in the mid 1800s. The Army owned and operated the Site from approximately 1890 to 1925. The property was owned by the state after statehood was achieved in 1959. The DOT took ownership of the property in the mid 1960s. The site became City of St. Michael property in 1997.
Carl Otten, St. Michael Mayor Early 1990s to 2006	Carl Otten, City of St. Michael Mayor from the early 1990s to 2006, was also interviewed. Carl Otten verified that the barrel identified in the site photos (See Appendix) was representative of the containers used by the military that used to contain tar. Carl verified information provided above by Roy Ashenfelter.
Natalia Akaran St. Michael Elder	<p>Natalia Akaran is an elder of St. Michael and was born in 1939. When asked, about the property and vicinity history, she did not remember when the DOT built the airstrip. She remembers stories from her youth told by her uncle, Benjamin Ajak. According to Benjamin Ajak, the debris on the south side of the existing airstrip was left behind from the U.S. Army.</p> <p>Natalia mentioned that nearby Whale Island was originally connected to St. Michael. She remembers stories about how the military used to test fire equipment, such as cannons, at Whale Island.</p>

5.0 SIGNIFICANT DATA GAPS

Data gaps are a lack of or an inability to obtain information required by the ASTM E1527 Practice despite good faith efforts by the environmental professional to gather such information. Data gaps may have resulted from incompleteness in any of the activities required in the Practice, including, but not limited to the site reconnaissance, records review, or interviews. The presence of a data gap may or may not present a REC due to the possibility that a REC could be discovered if the missing information is obtained.

During the performance of this assessment, the following significant data gaps occurred:

- SLR was unable to determine any use of the site from 1867 to 1897 and 1925 to 1963. Based on our review of historical documents and interviews, the information regarding the site use from 1867 to 1997 is not clearly explained.
- Because this ESA was not performed for a land transaction, information on environmental liens and land use restrictions were not provided.

5.1.1 Additional Investigation

It is SLR's opinion that the above identified data gaps do not represent a REC.

6.1 Recognized Environmental Conditions

6.1.1 Recognized Environmental Conditions

SLR has performed a Phase I ESA of the Old Airport Runway Property at the City of St. Michael located in St. Michael, Alaska. Phase I was performed in conformance with the scope and limitations of ASTM Practice E 1527-05. Exceptions to, or deletions from, this practice are described in Section 5.0 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the Site, with the exception of the following:

1. Tar Stained Areas
 - Six tar stained areas were identified during our site investigation. Concentrations from analytical samples collected from the tar stained areas in 2000 exceeded DEC cleanup levels.
2. Barrel and Battery Dump Sites
 - Site activities in 2006 included the removal of three empty barrels at the property. It is not known if all barrels and batteries were removed from this location. There is potential impact to the surface and shallow ground water at the site from the unknown contents of the barrels and batteries.
3. Former Drum Disposal Area
 - Site activities in 2006 included the removal of four empty barrels at the property. It is not known if all barrels were removed from this location. There is potential impact to the surface and shallow ground water at the site from the unknown contents of the barrels.
4. Abandoned Landfill
 - The contents of the abandoned landfill have not been characterized. There is a potential impact to the surface and shallow ground water at the site from unknown contents buried at the landfill.

6.1.2 Historical Recognized Environmental Conditions

This assessment has revealed no evidence of historical recognized environmental conditions in connection with the Site.

7.0 TAR STAINED AREAS

7.1 Tar Stained Area Management

As an additional item for this report, DEC requested that SLR provide recommendations to manage the existing tar pits based on information obtained in previous reports and field observations.

Based on a review of previous reports conducted at the property, it was noted that several samples were collected from the tar stained areas and submitted to an analytical laboratory. The analytical results indicated that samples collected from the tar stained areas contain petroleum concentrations that exceed DEC cleanup standards. During a reconnaissance of the property, SLR field staff observed children from the community playing near the tar stained areas, members from the community walking near or over the tar stained areas, and a dead bird captured in a tar stained area.

Because the tar stained areas are known to exceed DEC soil cleanup standards, and are situated in established foot traffic areas of the community, SLR recommends that the following actions:

- It is recommended that the identified tar stained areas are adequately marked with signs and surrounded by fencing to limit unauthorized access. We recommend a fencing method that does not displace soil.
- It is recommended that all tar stained areas at the property are identified. At least five tar stained areas were identified on the property but more may exist. Excavation of all tar stained materials from the property should be placed in appropriate containers for shipment to an approved hazardous materials site. Confirmation samples should be collected on the side and base of the excavation to verify removal of all hazardous substances.
- It is recommended that all tar stained areas be addressed at the same time. It may be preferable to address stained areas located on nearby properties as well. At least one tar stained area was observed on adjacent properties and additional examples may be present.

8.0 LOCAL ECONOMIC DEVELOPMENT PLAN REVIEW

8.1 Community Development Plan Review

As an additional item for this report, DEC requested that SLR review the proposed Economic Community Development Plan and determine how existing environmental issues (defined as RECs in this report) may hinder, or affect this plan based on information obtained in previous reports and field observations.

Based on discussions with the EPA/IGAP Coordinator and our review of the Economic Development Plan, construction is planned for two facilities at the subject property. The planned facilities include a public school served by the Bering Strait School District and a United States Post Office. At the time of our site visit, construction of the school foundation had already begun. The footprint of the school, as it relates to the subject property, is represented on Figure 3. The designated location for the post office is on the Old Airport Runway, between the Community Center and the new school but an exact location was not provided. At the time of report publication, construction of the Post Office had not begun.

Based on our field observations and review of the Economic Development Plan, we did not identify environmental issues that would hinder or affect the construction of the public school or post office except for the following:

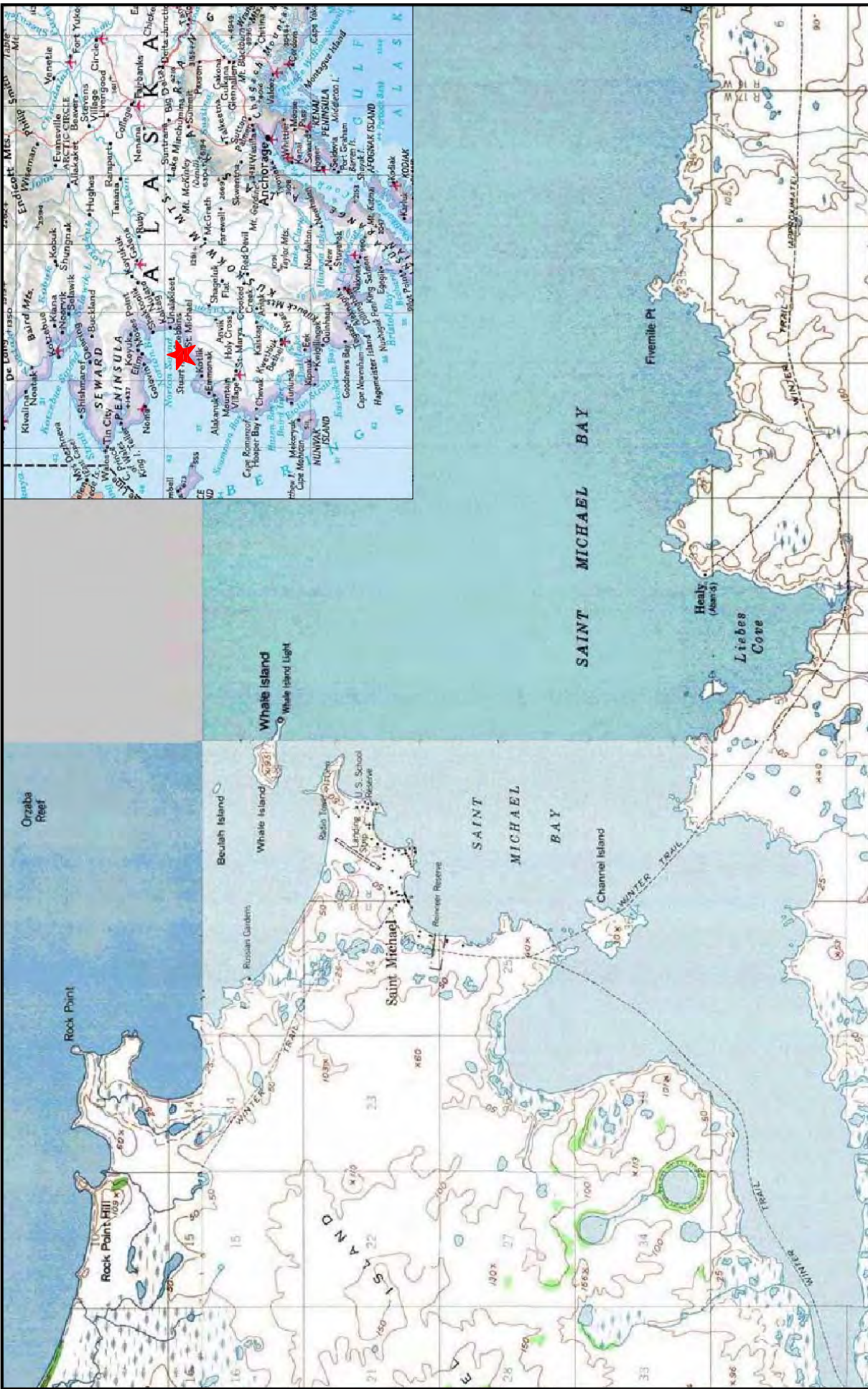
1. Although we were not provided with an exact location for the post office, it should be noted that the old WAMCATS telegraph line and old Ft. St. Michael tram line bisect the property in the general vicinity. Likely remnants from these operations consist of steel and wood that are not likely to pose an environmental risk above *de minimus* standards.

9.0 REFERENCES

- Aeromap, U.S. Inc, 2004, 1995, 1991, 1980, 1975, 1964 Aerial Photographs, St. Michael Alaska
- Alaska Department of Environmental Conservation, *letter to Dan Frank, E&E Anchorage, Alaska regarding St. Michael former airstrip*. 1999
- Alaska Division of Aviation, *Engineering Geology & Soils Report, St. Michael Airport, Materials Investigation*. 1980
- American Society of Testing and Materials (ASTM) *Standard E1527-05, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessments*. 2005
- Department of Defense, *Site Survey Summary Sheet for DERP-FUDS Site No. F10AK030700, Fort St. Michael, St. Michael, Alaska*. June 1991.
- Ecology and Environment, Inc., *Field Investigation Report, Fort St. Michael, FUDS*. 1994
- Ecology and Environment, Inc., *Fort St. Michael Site Preliminary Assessment*. 2000
- FPE Roen Engineers, Inc., *St. Michael airport Preliminary site Assessment*, prepared for the State of Alaska Department of Transportation and Public Facilities. 1997
- Harrell, *Department of Defense Findings and Determination of Eligibility for DERP-FUDS Site No. FL10AK030700*. 1991
- Portage Environmental, *Draft Village of St. Michael Site Assessment Report*, prepared for the Office of the Under Secretary of Defense. 1998
- State Historic Preservation Office, *in house document review and discussion with Staff*. 2007
- U.S. Geological Survey (USGS) 1952 Quadrangle, St. Michael (B-1) Alaska, 1:63,360 series, Topographic Map
- War Department, Executive Order 10/20/1897, *letter by Secretary of War declaring St. Michael military reservation*. 1897

APPENDIX A

FIGURES



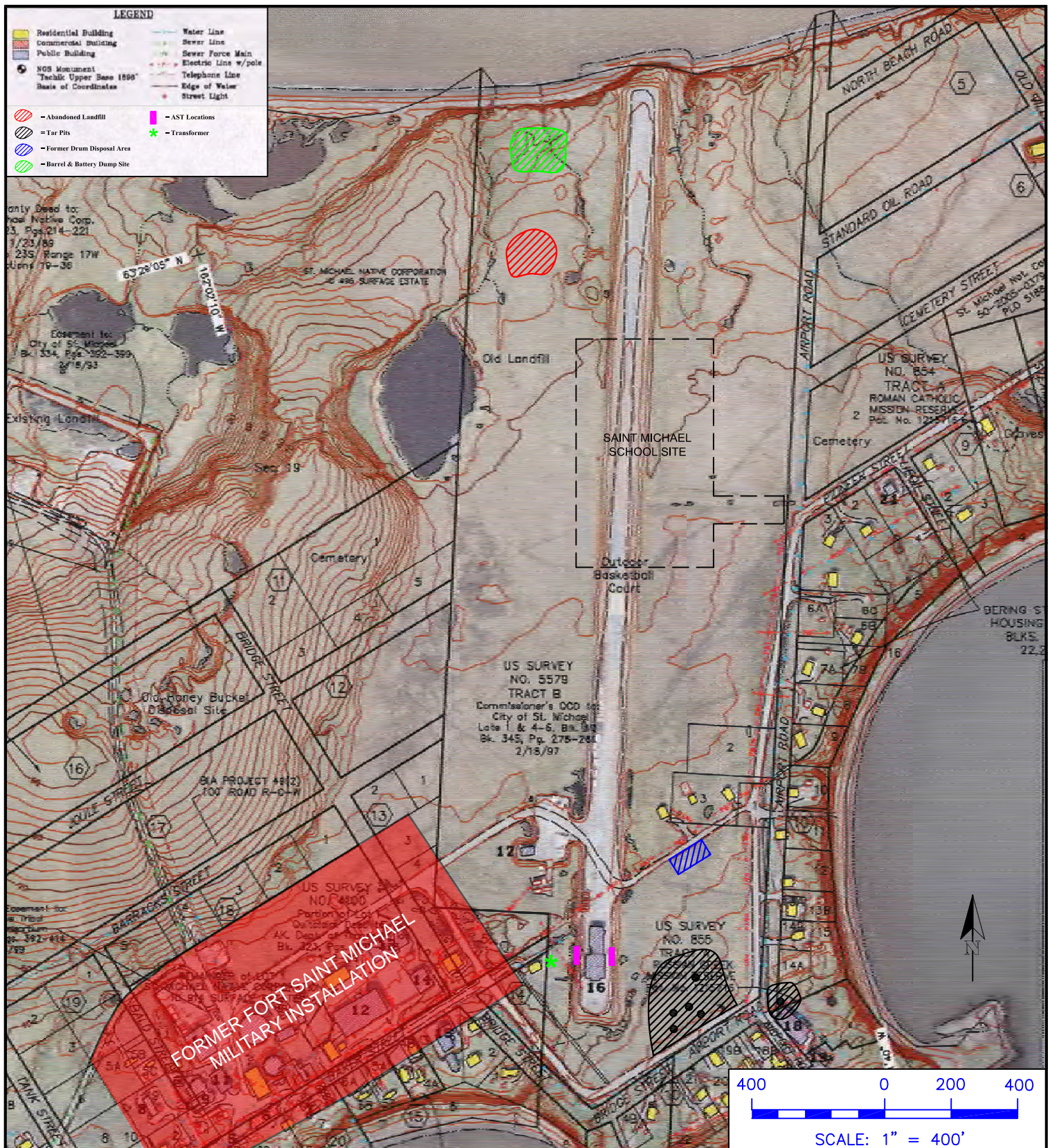


SLR International Corp
4601 Business Park Blvd., K42
Anchorage, AK 99503
(907)222-1112 Fax (907)222-1113
330 Wendell Ave., Suite C
Fairbanks, AK 99701
(907)455-9005 Fax (907)455-9015

CLIENT:
ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION

VICINITY MAP			
PROJECT MANAGER:	APPROVED:	DESIGNED:	SCALE:
M. HAGEN	M. HAGEN	D. BAILEY	1" = 1 Mile
PROJECT NO.:	DRAWN:	DATE:	FILE:
005.0065.06005	D. BAILEY	JUNE 2007	ST Michael Figure 1.dwg
			FIGURE:
			1

OLD AIRPORT RUNWAY
SAINT MICHAEL, ALASKA



SLR International Corp

4601 Business Park Blvd., K42
Anchorage, AK 99503
(907)222-1112 Fax (907)222-1113
330 Wendell Ave., Suite C
Fairbanks, AK 99701
(907)455-9005 Fax (907)455-9015

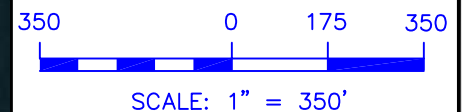
CLIENT:

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION

OLD AIRPORT RUNWAY
SAINT MICHAEL, ALASKA

SITE PLAN

PROJECT MANAGER:	APPROVED:	DESIGNED:	SCALE:	REVISION:	FIGURE:
M. HAGEN	M. HAGEN	D. BAILEY	1" = 400 FEET	0	3
PROJECT NO.:	DRAWN:	DATE:	FILE:		
005.0065.06005	D. BAILEY	JUNE 2007	ST Michael Figure 3.dwg		



SLR International Corp

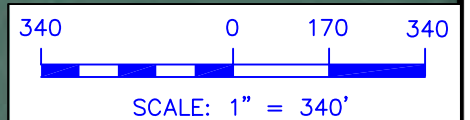
4601 Business Park Blvd., K42
Anchorage, AK 99503
(907)222-1112 Fax (907)222-1113
330 Wendell Ave., Suite C
Fairbanks, AK 99701
(907)455-9005 Fax (907)455-9015

OLD AIRPORT RUNWAY
SAINT MICHAEL, ALASKA

2004 SAINT MICHAEL AERIAL PHOTOGRAPH

CLIENT:
ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION

PROJECT MANAGER:	APPROVED:	DESIGNED:	SCALE:	REVISION:	FIGURE:
M. HAGEN	M. HAGEN	D. BAILEY	1" = 350 FEET	0	4
PROJECT NO.:	DRAWN:	DATE:	FILE:		
005.0065.06005	D. BAILEY	JUNE 2007	ST Michael Figure 4.dwg		



SLR International Corp

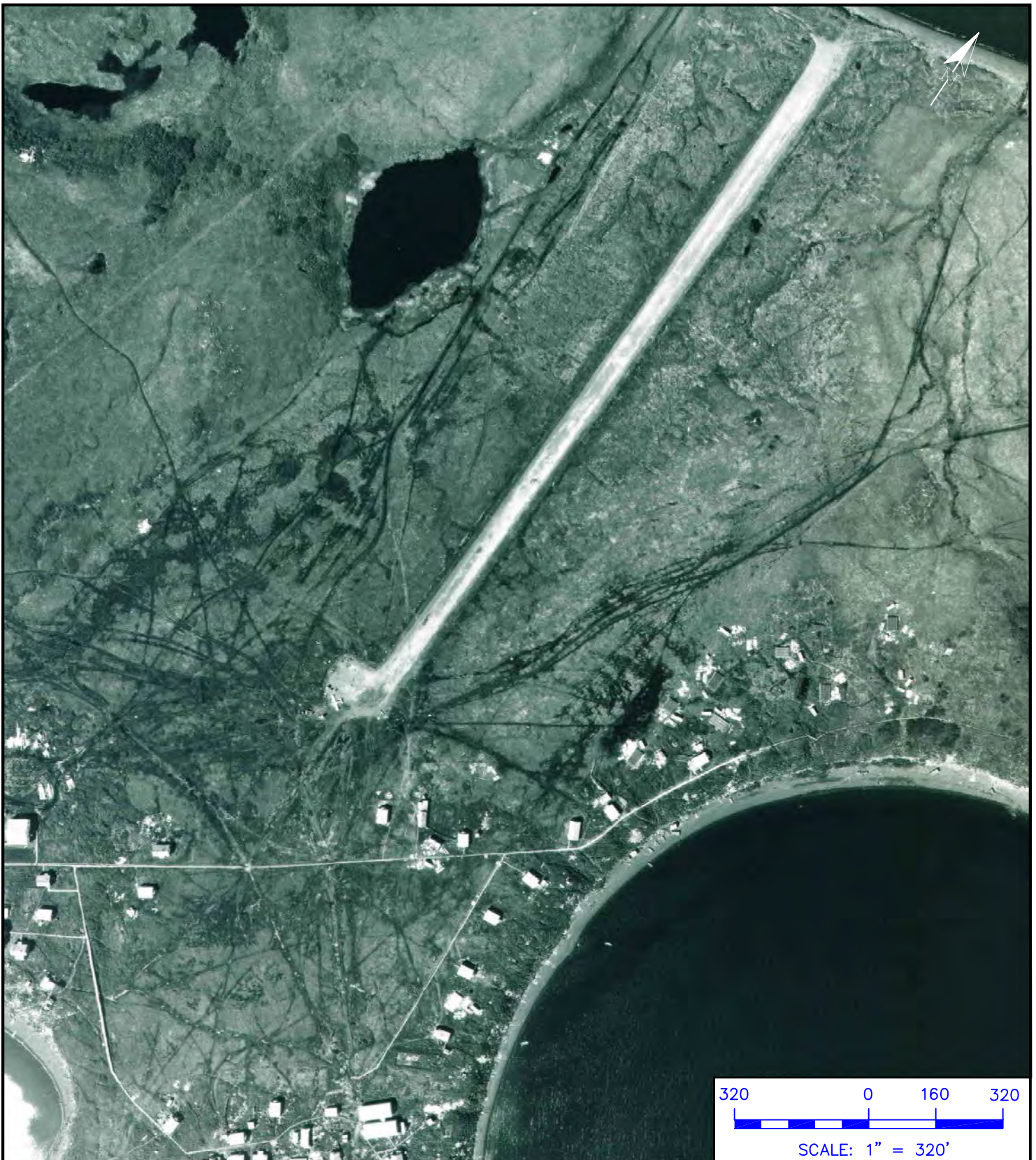
4601 Business Park Blvd., K42
Anchorage, AK 99503
(907)222-1112 Fax (907)222-1113
330 Wendell Ave., Suite C
Fairbanks, AK 99701
(907)455-9005 Fax (907)455-9015

OLD AIRPORT RUNWAY
SAINT MICHAEL, ALASKA

1991 SAINT MICHAEL AERIAL PHOTOGRAPH

CLIENT:
ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION

PROJECT MANAGER:	APPROVED:	DESIGNED:	SCALE:	REVISION:	FIGURE:
M. HAGEN	M. HAGEN	D. BAILEY	1" = 340 FEET	0	5
PROJECT NO.:	DRAWN:	DATE:	FILE:		
005.0065.06005	D. BAILEY	JUNE 2007	ST Michael Figure 5.dwg		



SLR International Corp

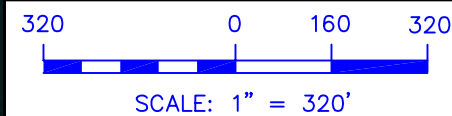
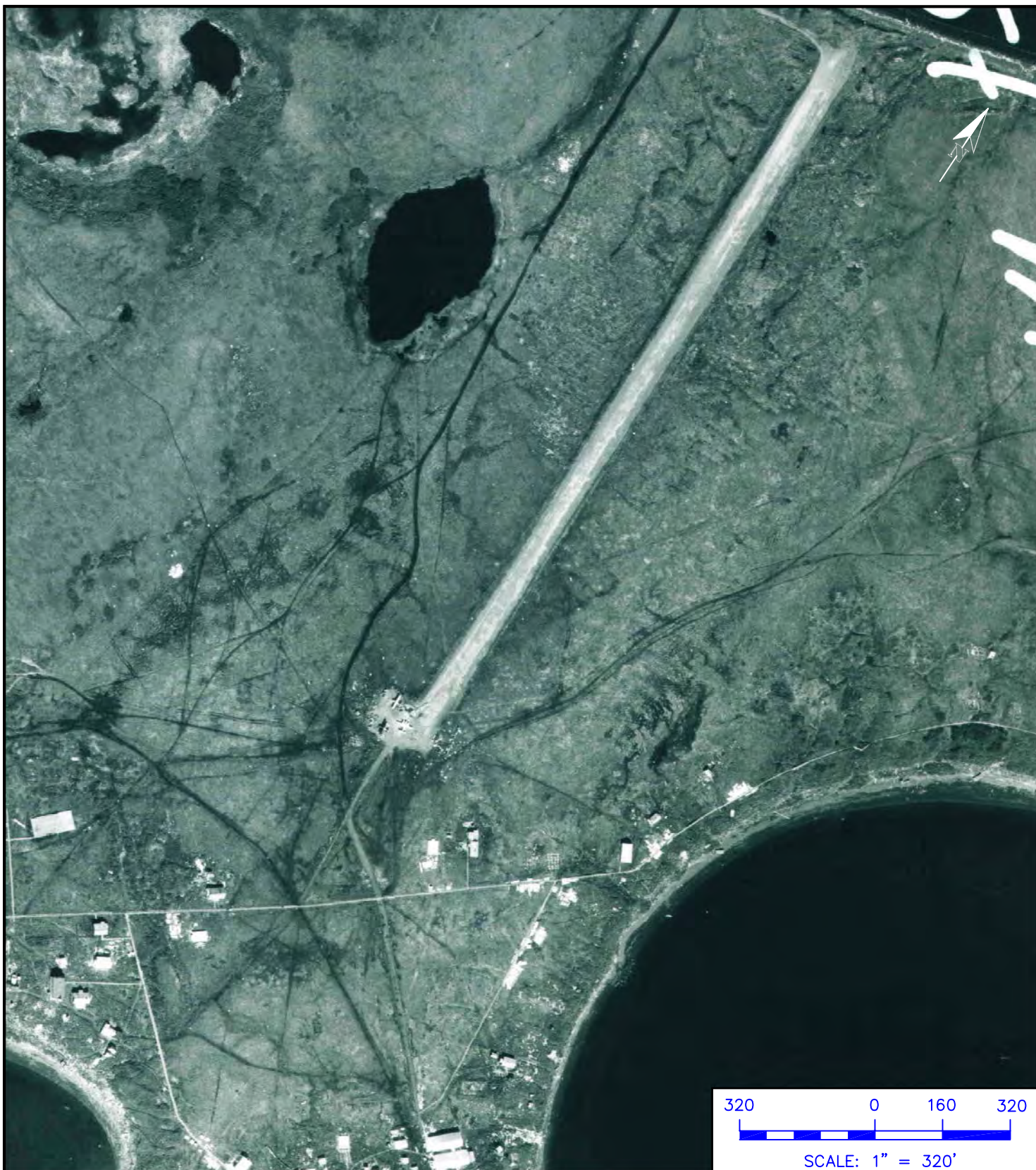
4601 Business Park Blvd., K42
Anchorage, AK 99503
(907)222-1112 Fax (907)222-1113
330 Wendell Ave., Suite C
Fairbanks, AK 99701
(907)455-9005 Fax (907)455-9015


OLD AIRPORT RUNWAY
SAINT MICHAEL, ALASKA

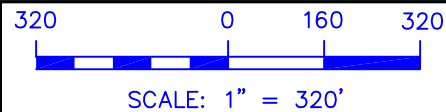
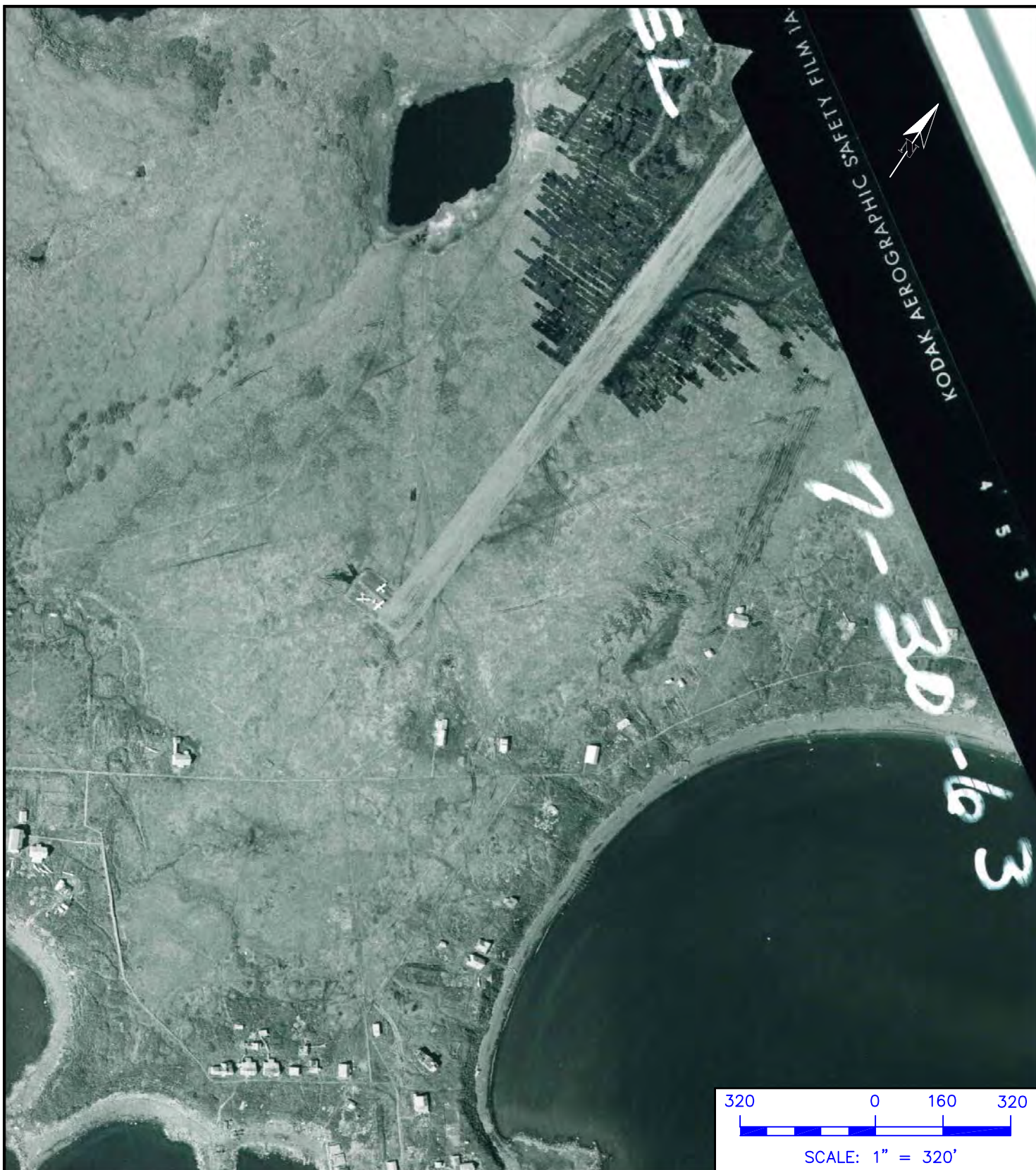
1980 SAINT MICHAEL AERIAL PHOTOGRAPH


CLIENT:
ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION

PROJECT MANAGER:	APPROVED:	DESIGNED:	SCALE:	REVISION:	FIGURE:
M. HAGEN	M. HAGEN	D. BAILEY	1" = 320 FEET	0	6
PROJECT NO.:	DRAWN:	DATE:	FILE:		
005.0065.06005	D. BAILEY	JUNE 2007	ST Michael Figure 6.dwg		



<div><div>SLR</div></div>	<div>SLR International Corp</div> <div>4601 Business Park Blvd., K42 Anchorage, AK 99503 (907)222-1112 Fax (907)222-1113</div> <div>330 Wendell Ave., Suite C Fairbanks, AK 99701 (907)455-9005 Fax (907)455-9015</div>	OLD AIRPORT RUNWAY SAINT MICHAEL, ALASKA				
	1975 SAINT MICHAEL AERIAL PHOTOGRAPH					
CLIENT: ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION	PROJECT MANAGER: M. HAGEN	APPROVED: M. HAGEN	DESIGNED: D. BAILEY	SCALE: 1" = 320 FEET	REVISION: 0	FIGURE: 7
	PROJECT NO.: 005.0065.06005	DRAWN: D. BAILEY	DATE: JUNE 2007	FILE: ST Michael Figure 7.dwg		



<div></div> <div><u>SLR International Corp</u> 4601 Business Park Blvd., K42 Anchorage, AK 99503 (907)222-1112 Fax (907)222-1113 330 Wendell Ave., Suite C Fairbanks, AK 99701 (907)455-9005 Fax (907)455-9015</div>	OLD AIRPORT RUNWAY SAINT MICHAEL, ALASKA				
	1963 SAINT MICHAEL AERIAL PHOTOGRAPH				
	CLIENT: ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION	PROJECT MANAGER: M. HAGEN	APPROVED: M. HAGEN	DESIGNED: D. BAILEY	SCALE: 1" = 320 FEET
	PROJECT NO.: 005.0065.06005	DRAWN: D. BAILEY	DATE: JUNE 2007	FILE: ST Michael Figure 8.dwg	FIGURE: 8

SITE PHOTOGRAPHS



1. Panoramic view across subject property viewing to the northwest.



2. One of five tar stained areas identified on the southern portion of the property.



3. Close up of the previous tar stained area that shows a captured dead bird.



4. The second of five tar stained areas identified on the property.



5. The third of five tar stained areas identified on the property.



6. The fourth of five tar stained areas identified on the property.



7. The fifth of five tar stained areas identified on the property.



8. An empty, unconnected AST located on the property.



9. Surface water in the central portion of the property. An organic sheen was identified on the surface.



10. Foundation footprint of the new school under construction at the property.



11. Panoramic view across the subject property viewing to the south along the airstrip.



12. Panoramic view across the Norton Sound, an adjacent property to the north.



13. Panoramic view across the adjacent property to the south. St. Michael Bay can be identified further south in the background.



14. Panoramic view across the WAMCAT line that bisects the central portion of the property.



15. Photograph of an abandoned landfill located in the northern portion of the property.



16. Photograph of representative heating oil tank located on the subject property. Two heating oil tanks are connected to the community center on the property.



17. Photograph of tar stained area located on an adjacent property, near the A/C store.

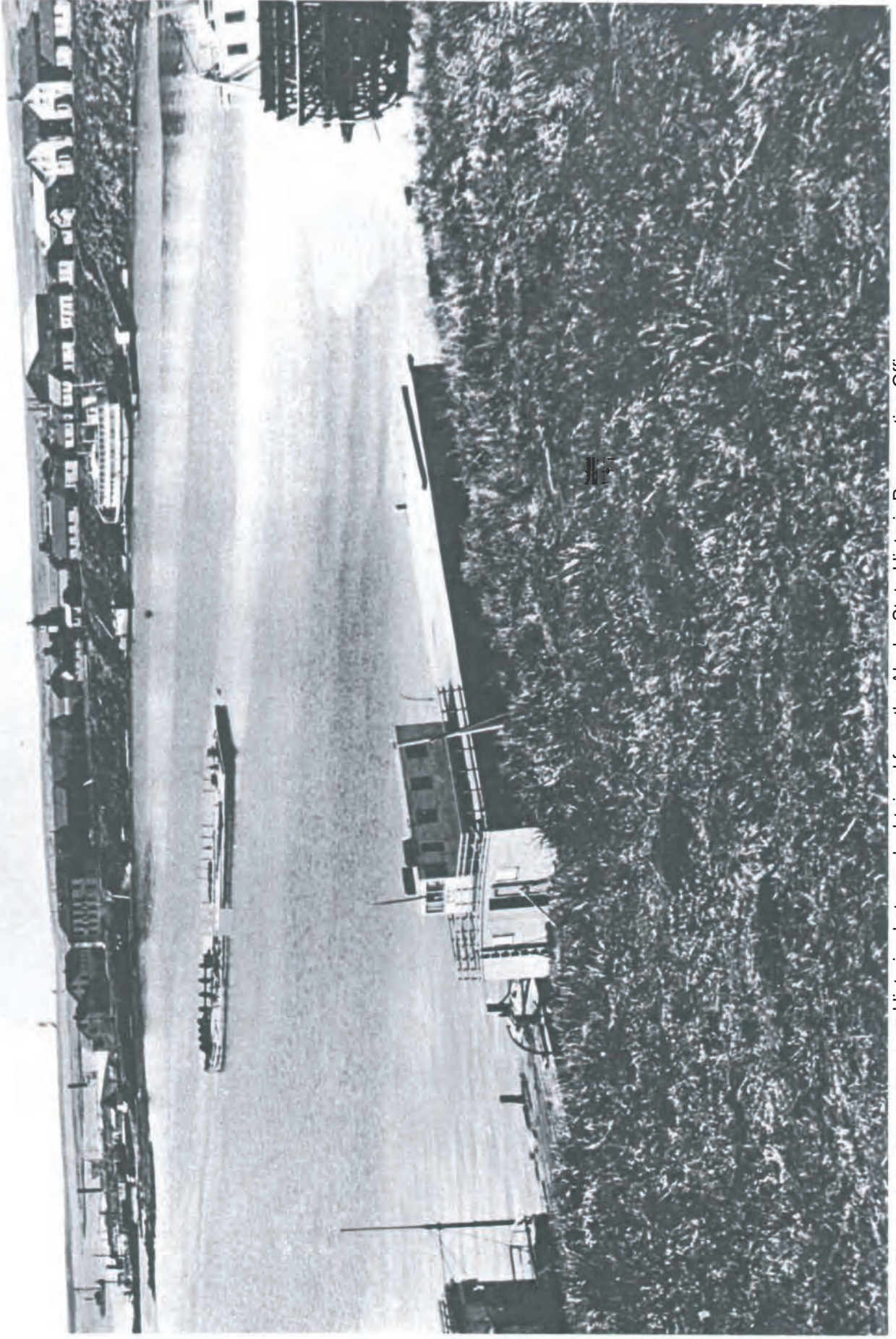


18. Wooden barrel located on a nearby property that matches barrel remnants located on the property and adjacent property. During our visit the barrel was empty and no information was available regarding previous use. No tar stains were identified inside the barrel.

HISTORIC PHOTOGRAPHS



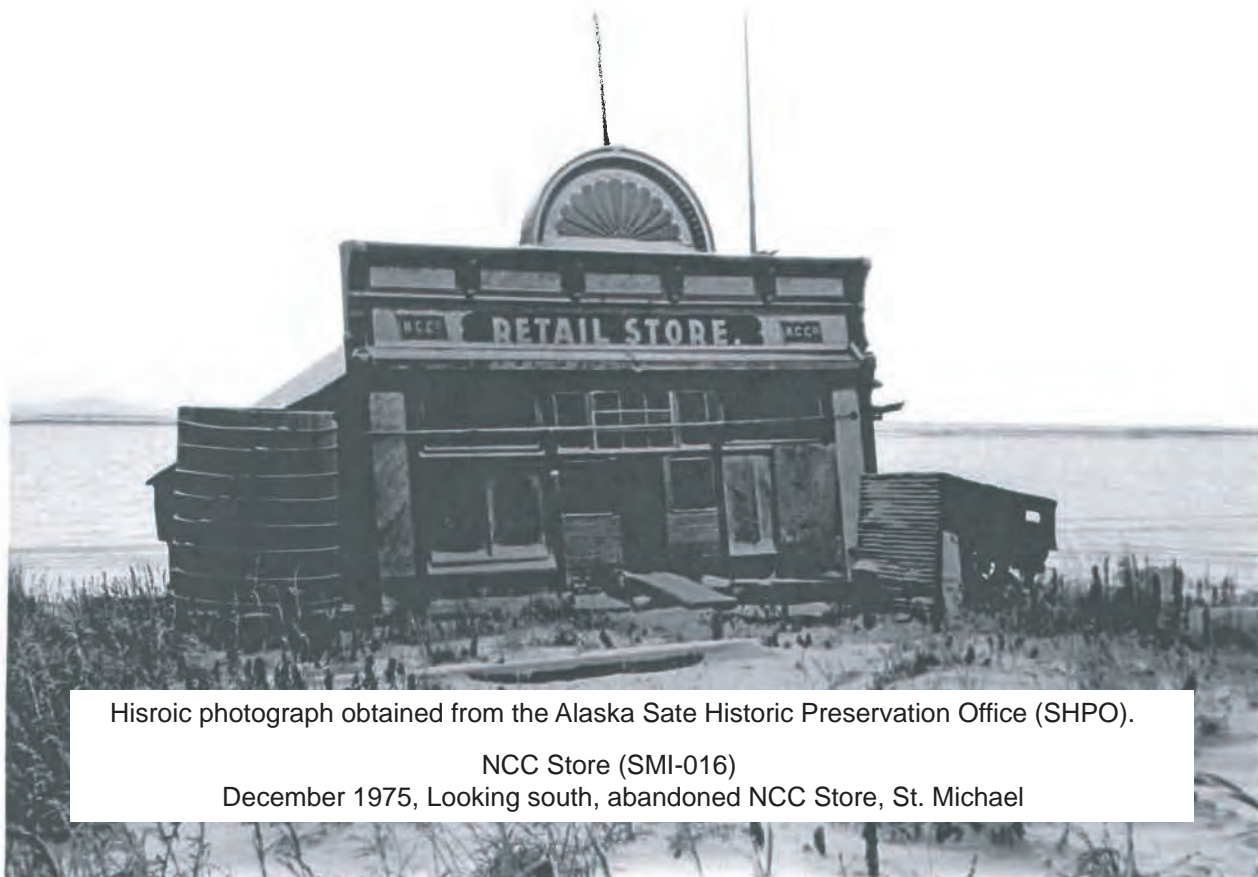
ST. MICHAEL'S REDOUBT.
Historic photograph obtained from the Alaska State Historic Preservation Office (SHPO).
Redoubt St. Michael (SMI-014)
Drawing, ca. 1890, U.S. Army Corps of Engineers, Anchorage, Alaska



Historic photograph obtained from the Alaska State Historic Preservation Office
St. Michael (SMI-015)
1900, Looking southwest at Alaska Commercial Company area, Seattle Historical Society



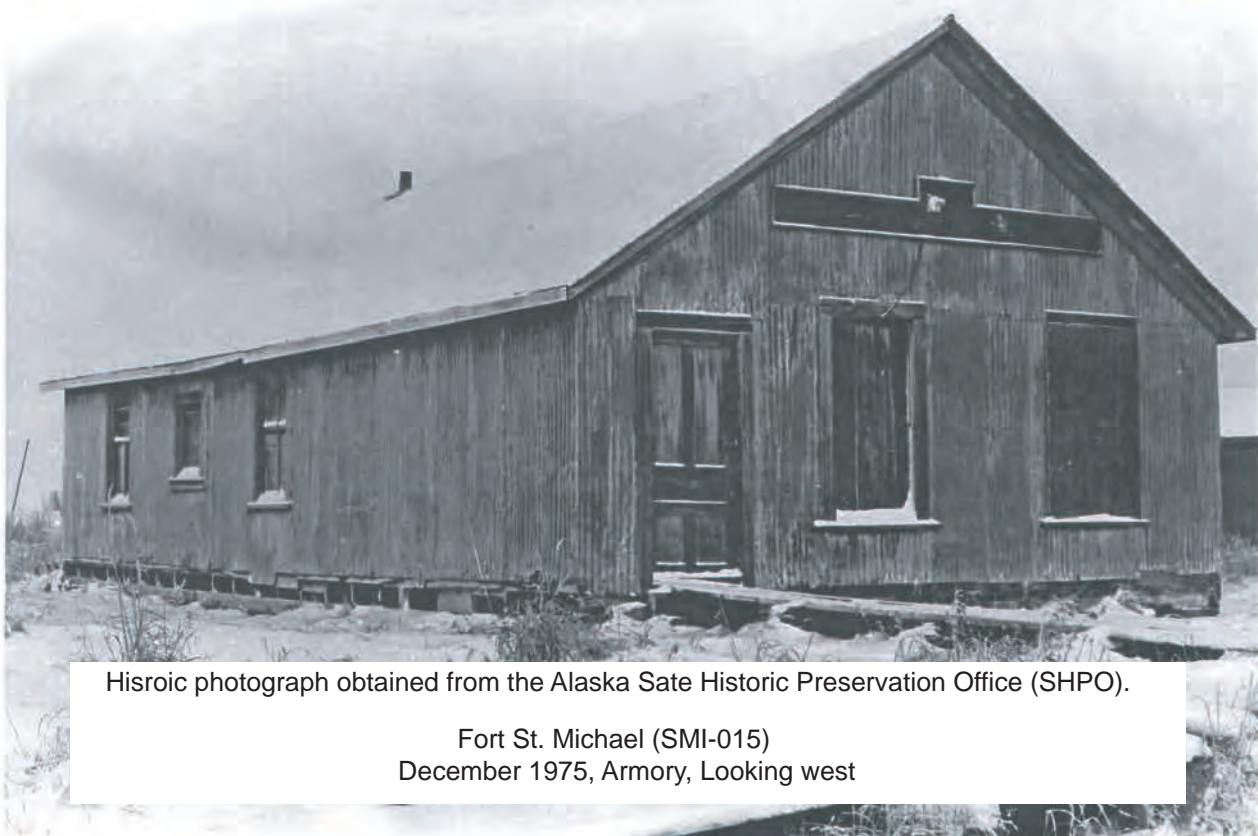
Historic photograph obtained from the Alaska State Historic Preservation Office (SHPO).
St. Michael (SML-014, 015)
1975, Looking southwest at main center of village, Alaska Division of Parks, Anchorage, Alaska



Hisroic photograph obtained from the Alaska Sate Historic Preservation Office (SHPO).

NCC Store (SMI-016)

December 1975, Looking south, abandoned NCC Store, St. Michael



Hisroic photograph obtained from the Alaska Sate Historic Preservation Office (SHPO).

Fort St. Michael (SMI-015)

December 1975, Armory, Looking west

**ENVIRONMENTAL DATA RESOURCES, INC.
REGULATORY AGENCY DATABASE
SEARCH REPORT**



The EDR Radius Map with GeoCheck®

**St. Michael Airport
St. Michael
St. Michael, AK 99659**

Inquiry Number: 1933765.2s

May 22, 2007

The Standard in Environmental Risk Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	6
Orphan Summary	9
Government Records Searched/Data Currency Tracking	GR-1
 <u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-7
Physical Setting Source Map Findings	A-8
Physical Setting Source Records Searched	A-9

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

Disclaimer - Copyright and Trademark Notice

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

Copyright 2007 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

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

EXECUTIVE SUMMARY

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

TARGET PROPERTY INFORMATION

ADDRESS

ST. MICHAEL
ST. MICHAEL, AK 99659

COORDINATES

Latitude (North): 63.480900 - 63° 28' 51.2"
Longitude (West): 162.042100 - 162° 2' 31.6"
Universal Transverse Mercator: Zone 3
UTM X (Meters): 647321.9
UTM Y (Meters): 7042377.5
Elevation: 48 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

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

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 6 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
SAINT MICHAEL FORMER AIRSTRIP NEAR FORMER AIRSTRIP SAINT MICHAEL, AK 99659	SHWS BROWNFIELDS	N/A
ST. MICHAEL ST. MICHAEL ST. MICHAEL, AK 0	ERNS	N/A

DATABASES WITH NO MAPPED SITES

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

FEDERAL RECORDS

NPL..... National Priority List

EXECUTIVE SUMMARY

Proposed NPL	Proposed National Priority List Sites
Delisted NPL	National Priority List Deletions
NPL LIENS	Federal Superfund Liens
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP	CERCLIS No Further Remedial Action Planned
CORRACTS	Corrective Action Report
RCRA-TSDF	Resource Conservation and Recovery Act Information
RCRA-LQG	Resource Conservation and Recovery Act Information
RCRA-SQG	Resource Conservation and Recovery Act Information
HMIRS	Hazardous Materials Information Reporting System
US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROL	Sites with Institutional Controls
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
US BROWNFIELDS	A Listing of Brownfields Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
ODI	Open Dump Inventory
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
SSTS	Section 7 Tracking Systems
LUCIS	Land Use Control Information System
DOT OPS	Incident and Accident Data
ICIS	Integrated Compliance Information System
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
US CDL	Clandestine Drug Labs
RADINFO	Radiation Information Database
LIENS 2	CERCLA Lien Information
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
FINDS	Facility Index System/Facility Registry System
RAATS	RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

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

TRIBAL RECORDS

INDIAN RESERV	Indian Reservations
----------------------	---------------------

EXECUTIVE SUMMARY

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land
INDIAN UST..... Underground Storage Tanks on Indian Land

EDR PROPRIETARY RECORDS

Manufactured Gas Plants... EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were not identified.

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

EXECUTIVE SUMMARY

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

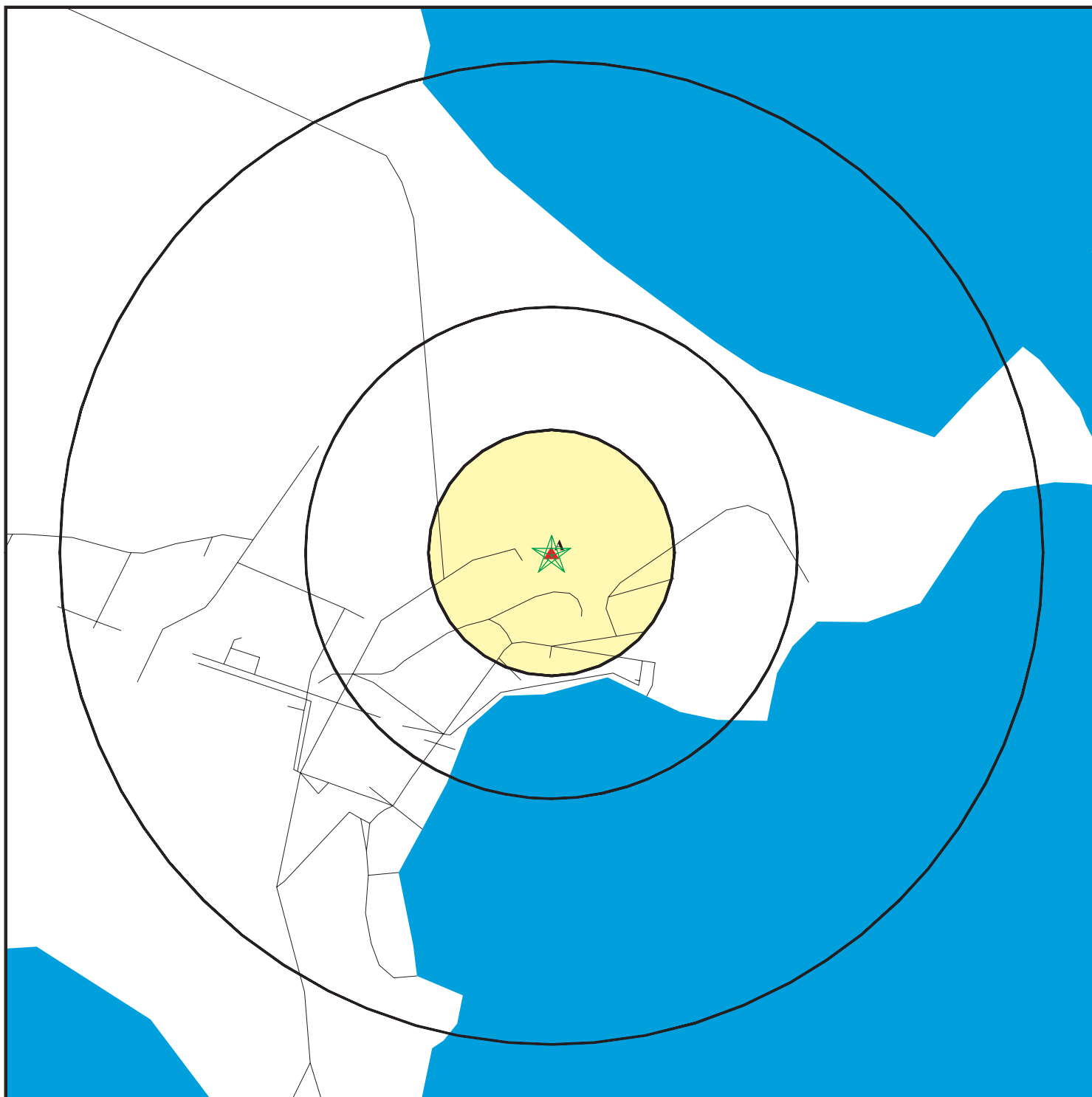
Site Name

ALASKA COMMERCIAL PROP. - ST. MICH.
FORT ST. MICHAEL
ALASKA COMMERCIAL PROP. - ST. MICH.
YUKON FUEL ST MICHAEL BULK FUEL FACILITY
ST MICHAEL FUEL CO
ST. MICHAEL WATER SYSTEM
ST. MICHAEL WATER SYSTEM
SAINT MICHAEL WWTF
SAINT MICHAEL WWTF

Database(s)

SHWS, BROWNFIELDS
CERC-NFRAP
Inst Control
AST
RCRA-SQG, FINDS
FINDS
ICIS
NPDES
NPDES

OVERVIEW MAP - 1933765.2s



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

0 1/4 1/2 1 Miles

Indian Reservations BIA

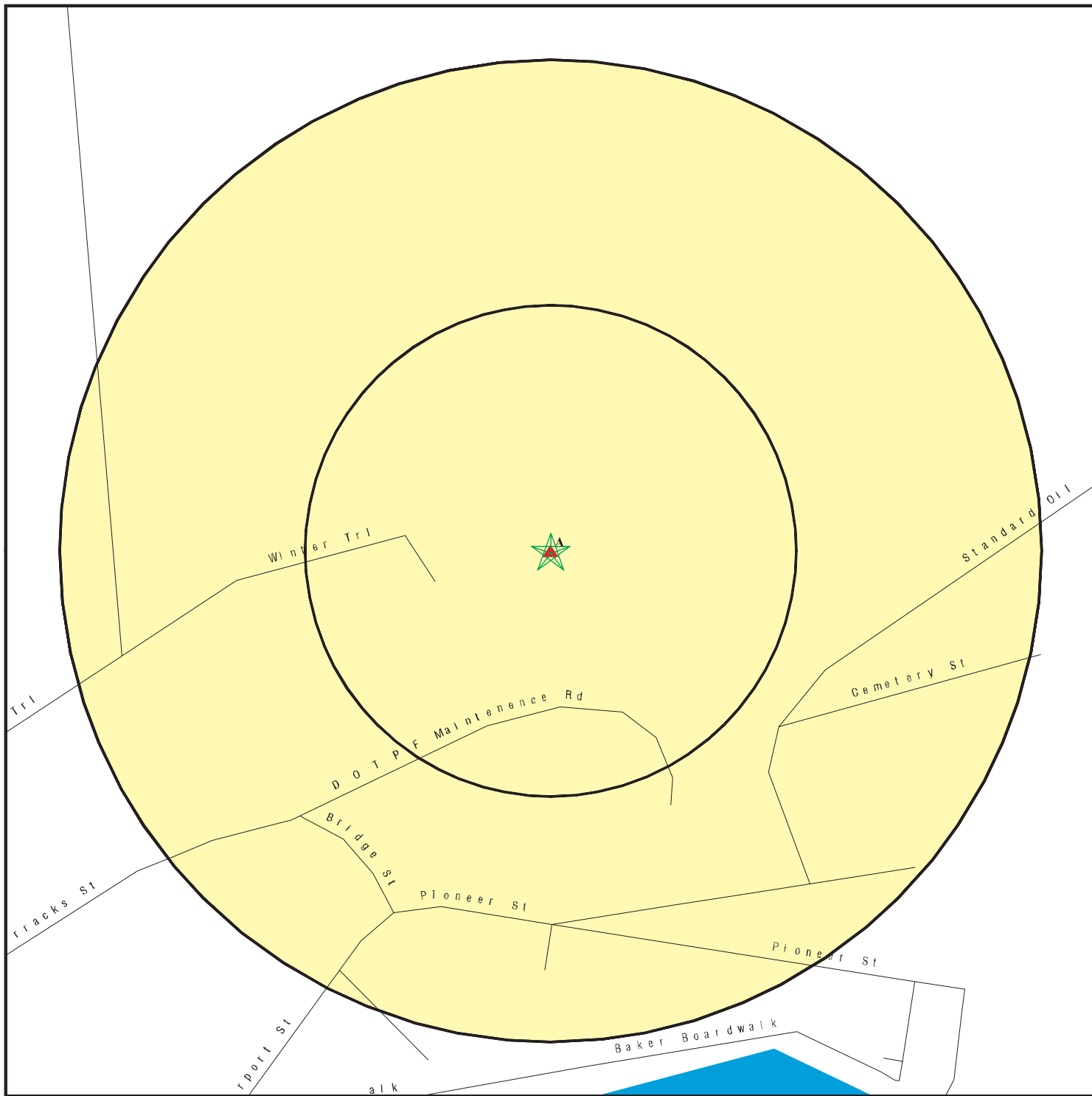


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: St. Michael Airport
 ADDRESS: St. Michael
 St. Michael AK 99659
 LAT/LONG: 63.4809 / 162.0421

CLIENT: SLR Alaska
 CONTACT: Mike Hagen
 INQUIRY #: 1933765.2s
 DATE: May 22, 2007 12:50 pm

DETAIL MAP - 1933765.2s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚡ Sensitive Receptors
- 🚒 National Priority List Sites
- 🏠 Dept. Defense Sites

Indian Reservations BIA

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

SITE NAME: St. Michael Airport
 ADDRESS: St. Michael
 St. Michael AK 99659
 LAT/LONG: 63.4809 / 162.0421

CLIENT: SLR Alaska
 CONTACT: Mike Hagen
 INQUIRY #: 1933765.2s
 DATE: May 22, 2007 12:50 pm

MAP FINDINGS SUMMARY

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

MAP FINDINGS SUMMARY

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

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A1
Target
Property

SAINT MICHAEL FORMER AIRSTRIP
NEAR FORMER AIRSTRIP
SAINT MICHAEL, AK 99659

SHWS
BROWNFIELDS

S106688004
N/A

Site 1 of 2 in cluster A

Actual:
48 ft.

SHWS:

FS Facility Site ID: 67481
Hazard Id: 2939
Lat/Long: 63.479963 / -162.032291
Date Lat Lon Collected: Not reported
Horizontal Accuracy: Not reported
Horizontal Accuracy Unit ID: Not reported
Horizontal Description Code: Not reported
Horizontal Source Code: Not reported
Horizontal Datum Code: Not reported
Horizontal Method Code: I1
Vertical Method Code: Not reported
Vertical Datum Code: Not reported
Vertical Accuracy: Not reported
Source Scale Code: Not reported
Verification Code: Not reported
Federal Identifier: Not reported
Flag Mobile: 0
Description: 1997320119601
Near: No
Country: USA
Region DEC: Not reported
State Senate District: S
State Representative District: 38
Point Line Area Code: P
Meridian Code: K
Range: 017
Range Direction Code: W
Township: 023
Township Direction: S
Section: 19
Subdivision: Not reported
Block: Not reported
Log: Not reported
Date Created: 11/14/2005 11:11:33 AM
Hydrologic Unit: Not reported
Vertical Measure: Not reported
Quadrangle Id: 2395
Flag Parent: Not reported
Fs Election District ID: 414
Comments: Not reported
Xref Location Id: 2939
Generic Name: Former Airstrip
Description: Saint Michael Former Airstrip
Lat/Long: 63.479963 / -162.032291
Date Collected: Not reported
Haccuracy: Not reported
Haccuracy Unit Id: Not reported
Description Code: Not reported
Hdatum Code: Not reported
Hmethod Code: I1
Hsource Code: Not reported
Vertical Measure: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

SAINT MICHAEL FORMER AIRSTRIP (Continued)

EDR ID Number
EPA ID Number

Database(s)

S106688004

Vaccuracy:	Not reported		
Vdatum Code:	Not reported		
Vmethod Code:	Not reported		
Source Scale Code:	Not reported		
Verification Code:	Not reported		
Comment:	Not reported		
Near:	No		
DEC File #:	640.38.002	Spilldate:	7/15/1997
Region:	32	Categorycode:	Unknown
Rp Contact Id:	Not reported	Rp Programcode:	Orphan Site
Staff Id:	198	Statuscode:	Active
Analyte1:	164	Analyte2 Id:	0
Analyte3 Id:	0		
Analyte Id:	Not reported	Analyte Name:	Not reported
Alternate Name:	Not reported	Class:	Not reported
Casrefnbr:	Not reported	CS Action Level:	Not reported
Drinking Water MCL:	Not reported		
Analysis Tool:	Not reported		
Affiliate Contact ID:	Not reported		
Affiliate Address ID:	Not reported		
Contact:	Not reported		
Contact Telephone:	Not reported		
Staff ID:	Not reported		
Staff User Name:	Not reported		
Staff Last Name:	Not reported		
Staff Phone:	Not reported		
Staff Extention:	Not reported		
Staff Fax:	Not reported		
Staff Email:	Not reported		
Staff Administrator:	Not reported		
Staff Sectionmanager:	Not reported		
Staff Inactive:	Not reported		
Staff Affiliation:	Not reported		
Problem Cmmnt:	DRO contamination found in surface soil at 370,000 ppm and 250,000 ppm as well as Toluene contamination at 36,000 ppm, Ethylbenzene concentration at 400 ppm and Xylene concentration at 400ppm. Contamination near a former airstrip with seeps occurring along one side of the airstrip, near the footpath to the school (within 100; to 150; from the school), and along the A/C store foundation. The estimated overall volume of contaminated soil is 351,360 cubic yards.		
Comment:	Not reported		

BROWNFIELDS:

Fs Facility Site Id: 67481
Action Id: 60086
Hazard Id: 2939
Action Date: 10/25/2006
Action Code: CBF
Staff Id: 132
Create Date: 10/25/2006 8:59:28 AM
Action: Received DBA request form from community.Site ranked and approved through the DEC Brownfield Assessment process.
Comment: Contamination first documented in July 1997. The source of the latitude and longitude data is from the EG&G report. ADOT is identified as RP, but staff reports that contamination occurred long before land belonged to them.
Spill Dt: Not reported
Staff Id: Not reported
Status Code: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

SAINT MICHAEL FORMER AIRSTRIP (Continued)

EDR ID Number
EPA ID Number

Database(s)

S106688004

Dec File No: Not reported
Problem: Not reported

Fs Facility Site Id: 67481

Action Id: 60087

Hazard Id: 2939

Action Date: 8/1/2006

Action Code: BI

Staff Id: 132

Create Date: 10/25/2006 9:00:24 AM

Action: Received DBA request form from community. Site ranked and approved through the DEC Brownfield Assessment process.

Comment: Contamination first documented in July 1997. The source of the latitude and longitude data is from the EG&G report. ADOT is identified as RP, but staff reports that contamination occurred long before land belonged to them.

Spill Dt: Not reported

Staff Id: Not reported

Status Code: Not reported

Dec File No: Not reported

Problem: Not reported

A2
Target
Property

ST. MICHAEL
ST. MICHAEL
ST. MICHAEL, AK 0

ERNS **2000541516**
N/A

Actual:
48 ft.

Site 2 of 2 in cluster A

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
SAINT MICHAEL	1004670160	ST MICHAEL FUEL CO	1 IDITAROD AVE	99659	RCRA-SQG, FINDS
SAINT MICHAEL	S107863592	ALASKA COMMERCIAL PROP. - ST. MICH.	255 MAIN STREET	99659	Inst Control
SAINT MICHAEL	S106425108	ALASKA COMMERCIAL PROP. - ST. MICH.	255 MAIN STREET	99659	SHWS, BROWNFIELDS
ST. MICHAEL	1009962971	ST. MICHAEL WATER SYSTEM	ID# AK2340337	99659	ICIS
ST. MICHAEL	1008337510	ST. MICHAEL WATER SYSTEM	ID# AK2340337	99659	FINDS
ST. MICHAEL	S108186567	SAINT MICHAEL WWTF	P.O. BOX 70	99659	NPDES
ST. MICHAEL	S108185034	SAINT MICHAEL WWTF	P.O. BOX 70	99659	NPDES
ST. MICHAEL	A100161316	YUKON FUEL ST MICHAEL BULK FUEL FACILITY	P.O. BOX 110	99659	AST
ST. MICHAEL	1003880872	FORT ST. MICHAEL	T23S R18W, KATEEL RIVER MERIDIAN	99659	CERC-NFRAP

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

FEDERAL RECORDS

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 01/25/2007	Source: EPA
Date Data Arrived at EDR: 01/31/2007	Telephone: N/A
Date Made Active in Reports: 03/12/2007	Last EDR Contact: 05/03/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 07/30/2007
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 09/27/2006	Source: EPA
Date Data Arrived at EDR: 11/01/2006	Telephone: N/A
Date Made Active in Reports: 11/22/2006	Last EDR Contact: 05/03/2007
Number of Days to Update: 21	Next Scheduled EDR Contact: 07/30/2007
	Data Release Frequency: Quarterly

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 12/28/2006	Source: EPA
Date Data Arrived at EDR: 01/31/2007	Telephone: N/A
Date Made Active in Reports: 03/12/2007	Last EDR Contact: 05/03/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 07/30/2007
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NPL LIENS: Federal Superfund Liens

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

Date of Government Version: 10/15/1991

Date Data Arrived at EDR: 02/02/1994

Date Made Active in Reports: 03/30/1994

Number of Days to Update: 56

Source: EPA

Telephone: 202-564-4267

Last EDR Contact: 05/21/2007

Next Scheduled EDR Contact: 08/20/2007

Data Release Frequency: No Update Planned

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

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/27/2007

Date Data Arrived at EDR: 03/21/2007

Date Made Active in Reports: 04/27/2007

Number of Days to Update: 37

Source: EPA

Telephone: 703-603-8960

Last EDR Contact: 03/21/2007

Next Scheduled EDR Contact: 06/18/2007

Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 12/20/2006

Date Data Arrived at EDR: 01/29/2007

Date Made Active in Reports: 02/27/2007

Number of Days to Update: 29

Source: EPA

Telephone: 703-603-8960

Last EDR Contact: 03/19/2007

Next Scheduled EDR Contact: 06/18/2007

Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/14/2007

Date Data Arrived at EDR: 03/20/2007

Date Made Active in Reports: 04/27/2007

Number of Days to Update: 38

Source: EPA

Telephone: 800-424-9346

Last EDR Contact: 03/05/2007

Next Scheduled EDR Contact: 06/04/2007

Data Release Frequency: Quarterly

RCRA: Resource Conservation and Recovery Act Information

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/13/2006	Source: EPA
Date Data Arrived at EDR: 06/28/2006	Telephone: (206) 553-1200
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 05/16/2007
Number of Days to Update: 56	Next Scheduled EDR Contact: 07/16/2007
	Data Release Frequency: Quarterly

ERNS: Emergency Response Notification System

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

Date of Government Version: 12/31/2006	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/24/2007	Telephone: 202-267-2180
Date Made Active in Reports: 03/12/2007	Last EDR Contact: 04/24/2007
Number of Days to Update: 47	Next Scheduled EDR Contact: 07/23/2007
	Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 12/31/2005	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 04/17/2007	Telephone: 202-366-4555
Date Made Active in Reports: 05/14/2007	Last EDR Contact: 04/17/2007
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/16/2007
	Data Release Frequency: Annually

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 01/24/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/31/2007	Telephone: 703-603-8905
Date Made Active in Reports: 04/04/2007	Last EDR Contact: 04/02/2007
Number of Days to Update: 63	Next Scheduled EDR Contact: 07/02/2007
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 01/24/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/31/2007	Telephone: 703-603-8905
Date Made Active in Reports: 02/27/2007	Last EDR Contact: 04/02/2007
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/02/2007
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DOD: Department of Defense Sites

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

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 703-692-8801
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 05/11/2007
Number of Days to Update: 62	Next Scheduled EDR Contact: 08/06/2007
	Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

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

Date of Government Version: 12/31/2005	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 09/20/2006	Telephone: 202-528-4285
Date Made Active in Reports: 11/22/2006	Last EDR Contact: 04/02/2007
Number of Days to Update: 63	Next Scheduled EDR Contact: 07/02/2007
	Data Release Frequency: Varies

US BROWNFIELDS: A Listing of Brownfields Sites

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

Date of Government Version: 01/29/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/31/2007	Telephone: 202-566-2777
Date Made Active in Reports: 04/04/2007	Last EDR Contact: 03/12/2007
Number of Days to Update: 63	Next Scheduled EDR Contact: 06/11/2007
	Data Release Frequency: Semi-Annually

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 08/23/2006	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 03/06/2007	Telephone: Varies
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 04/23/2007
Number of Days to Update: 35	Next Scheduled EDR Contact: 07/23/2007
	Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 03/27/2007	Source: EPA
Date Data Arrived at EDR: 03/27/2007	Telephone: 703-416-0223
Date Made Active in Reports: 04/27/2007	Last EDR Contact: 03/27/2007
Number of Days to Update: 31	Next Scheduled EDR Contact: 07/02/2007
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 11/08/2006	Telephone: 505-845-0011
Date Made Active in Reports: 01/29/2007	Last EDR Contact: 05/17/2007
Number of Days to Update: 82	Next Scheduled EDR Contact: 06/18/2007
	Data Release Frequency: Varies

ODI: Open Dump Inventory

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

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

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2004	Source: EPA
Date Data Arrived at EDR: 06/22/2006	Telephone: 202-566-0250
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 04/27/2007
Number of Days to Update: 62	Next Scheduled EDR Contact: 06/18/2007
	Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2002	Source: EPA
Date Data Arrived at EDR: 04/14/2006	Telephone: 202-260-5521
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 04/16/2007
Number of Days to Update: 46	Next Scheduled EDR Contact: 07/16/2007
	Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 02/26/2007	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-566-1667
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 03/19/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 06/18/2007
	Data Release Frequency: Quarterly

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

Date of Government Version: 02/26/2007	Source: EPA
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-566-1667
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 03/19/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 06/18/2007
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2005	Source: EPA
Date Data Arrived at EDR: 03/13/2007	Telephone: 202-564-4203
Date Made Active in Reports: 04/27/2007	Last EDR Contact: 04/12/2007
Number of Days to Update: 45	Next Scheduled EDR Contact: 07/16/2007
	Data Release Frequency: Annually

LIENS 2: CERCLA Lien Information

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

Date of Government Version: 03/08/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/12/2007	Telephone: 202-564-6023
Date Made Active in Reports: 05/14/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 32	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

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

Date of Government Version: 01/30/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/31/2007	Telephone: 202-343-9775
Date Made Active in Reports: 02/27/2007	Last EDR Contact: 05/03/2007
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/30/2007
	Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

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

Date of Government Version: 12/01/2006	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 01/08/2007	Telephone: 202-307-1000
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 05/11/2007
Number of Days to Update: 3	Next Scheduled EDR Contact: 06/25/2007
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 03/19/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 06/18/2007
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 02/21/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/03/2007	Telephone: 202-564-5088
Date Made Active in Reports: 05/14/2007	Last EDR Contact: 04/16/2007
Number of Days to Update: 41	Next Scheduled EDR Contact: 07/16/2007
	Data Release Frequency: Quarterly

LUCIS: Land Use Control Information System

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

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

DOT OPS: Incident and Accident Data

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

Date of Government Version: 02/14/2007	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 02/28/2007	Telephone: 202-366-4595
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 02/28/2007
Number of Days to Update: 41	Next Scheduled EDR Contact: 05/28/2007
	Data Release Frequency: Varies

PADS: PCB Activity Database System

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

Date of Government Version: 10/17/2006	Source: EPA
Date Data Arrived at EDR: 11/29/2006	Telephone: 202-566-0500
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 05/11/2007
Number of Days to Update: 43	Next Scheduled EDR Contact: 08/06/2007
	Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/11/2007	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 01/26/2007	Telephone: 301-415-7169
Date Made Active in Reports: 02/27/2007	Last EDR Contact: 04/02/2007
Number of Days to Update: 32	Next Scheduled EDR Contact: 07/02/2007
	Data Release Frequency: Quarterly

MINES: Mines Master Index File

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

Date of Government Version: 02/06/2007	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 03/28/2007	Telephone: 303-231-5959
Date Made Active in Reports: 05/14/2007	Last EDR Contact: 03/28/2007
Number of Days to Update: 47	Next Scheduled EDR Contact: 06/25/2007
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 01/18/2007	Source: EPA
Date Data Arrived at EDR: 01/23/2007	Telephone: (206) 553-1200
Date Made Active in Reports: 02/27/2007	Last EDR Contact: 05/14/2007
Number of Days to Update: 35	Next Scheduled EDR Contact: 07/02/2007
	Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

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

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 03/05/2007
Number of Days to Update: 35	Next Scheduled EDR Contact: 06/04/2007
	Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

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

Date of Government Version: 12/31/2005	Source: EPA/NTIS
Date Data Arrived at EDR: 03/06/2007	Telephone: 800-424-9346
Date Made Active in Reports: 04/13/2007	Last EDR Contact: 03/06/2007
Number of Days to Update: 38	Next Scheduled EDR Contact: 06/11/2007
	Data Release Frequency: Biennially

STATE AND LOCAL RECORDS

SHWS: Contaminated Sites Database

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

Date of Government Version: 03/12/2007	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 03/19/2007	Telephone: 907-269-7546
Date Made Active in Reports: 04/24/2007	Last EDR Contact: 03/12/2007
Number of Days to Update: 36	Next Scheduled EDR Contact: 06/11/2007
	Data Release Frequency: Semi-Annually

SWF/LF: Solid Waste Facilities

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 04/23/2007	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 04/24/2007	Telephone: 907-269-7632
Date Made Active in Reports: 05/14/2007	Last EDR Contact: 04/23/2007
Number of Days to Update: 20	Next Scheduled EDR Contact: 07/23/2007
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 03/13/2007
Date Data Arrived at EDR: 03/14/2007
Date Made Active in Reports: 04/24/2007
Number of Days to Update: 41

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

UST: Underground Storage Tank Database

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

Date of Government Version: 03/13/2007
Date Data Arrived at EDR: 03/14/2007
Date Made Active in Reports: 04/12/2007
Number of Days to Update: 29

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

AST: Regulated Aboveground Storage Tanks

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

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

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

SPILLS: Spills Database

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

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

Source: Department of Environmental Conservation
Telephone: 907-465-5242
Last EDR Contact: 05/14/2007
Next Scheduled EDR Contact: 07/30/2007
Data Release Frequency: Semi-Annually

ENG CONTROLS: Engineering Controls Site Listing

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

Date of Government Version: 03/12/2007
Date Data Arrived at EDR: 03/19/2007
Date Made Active in Reports: 04/24/2007
Number of Days to Update: 36

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

Inst Control: Contaminated Sites with Institutional Controls

Contaminated sites that have institutional controls.

Date of Government Version: 03/12/2007
Date Data Arrived at EDR: 03/19/2007
Date Made Active in Reports: 04/24/2007
Number of Days to Update: 36

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

VCP: Voluntary Cleanup Program sites

Sites involved in the Voluntary Cleanup Program.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/12/2007
Date Data Arrived at EDR: 03/13/2007
Date Made Active in Reports: 04/24/2007
Number of Days to Update: 42

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

DRYCLEANERS: Drycleaner Facility Listing
A listing of drycleaning facilities in Alaska.

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

Source: Department of Environmental Conservation
Telephone: 907-269-7577
Last EDR Contact: 04/23/2007
Next Scheduled EDR Contact: 07/23/2007
Data Release Frequency: No Update Planned

BROWNFIELDS: Identified and/or Proposed Brownfields Sites

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

Date of Government Version: 03/12/2007
Date Data Arrived at EDR: 03/19/2007
Date Made Active in Reports: 04/24/2007
Number of Days to Update: 36

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

CDL: Illegal Drug Manufacturing Sites

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

Date of Government Version: 03/13/2007
Date Data Arrived at EDR: 03/14/2007
Date Made Active in Reports: 04/24/2007
Number of Days to Update: 41

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

NPDES: Wastewater Discharge Permit Listing
A listing of permitted wastewater facilities.

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

Source: Department of Environmental Conservation
Telephone: 907-465-5480
Last EDR Contact: 05/14/2007
Next Scheduled EDR Contact: 07/16/2007
Data Release Frequency: Varies

AIRS: AIRS Facility Listing
A listing of permitted airs facilities.

Date of Government Version: 05/10/2007
Date Data Arrived at EDR: 05/10/2007
Date Made Active in Reports: 05/17/2007
Number of Days to Update: 7

Source: Department of Environmental Conservation
Telephone: 907-451-2103
Last EDR Contact: 05/07/2007
Next Scheduled EDR Contact: 08/06/2007
Data Release Frequency: Varies

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 05/11/2007
Next Scheduled EDR Contact: 08/06/2007
Data Release Frequency: Semi-Annually

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 02/19/2007
Date Data Arrived at EDR: 02/27/2007
Date Made Active in Reports: 04/04/2007
Number of Days to Update: 36

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 05/21/2007
Next Scheduled EDR Contact: 08/20/2007
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 09/06/2006
Date Data Arrived at EDR: 10/04/2006
Date Made Active in Reports: 11/08/2006
Number of Days to Update: 35

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/21/2007
Next Scheduled EDR Contact: 08/20/2007
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

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

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 05/21/2007
Next Scheduled EDR Contact: 08/20/2007
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 03/20/2007
Date Data Arrived at EDR: 04/16/2007
Date Made Active in Reports: 05/14/2007
Number of Days to Update: 28

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 05/21/2007
Next Scheduled EDR Contact: 08/20/2007
Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

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

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/21/2007
Next Scheduled EDR Contact: 08/20/2007
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 03/01/2007
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/04/2007
Number of Days to Update: 34

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/21/2007
Next Scheduled EDR Contact: 08/20/2007
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 03/30/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/30/2007	Telephone: 415-972-3372
Date Made Active in Reports: 04/27/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 28	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

Date of Government Version: 03/01/2007	Source: EPA Region 10
Date Data Arrived at EDR: 03/01/2007	Telephone: 206-553-2857
Date Made Active in Reports: 04/04/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 34	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

Date of Government Version: 03/26/2007	Source: EPA Region 9
Date Data Arrived at EDR: 03/27/2007	Telephone: 415-972-3368
Date Made Active in Reports: 04/27/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 31	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Quarterly

INDIAN UST R4: Underground Storage Tanks on Indian Land

Date of Government Version: 03/20/2007	Source: EPA Region 4
Date Data Arrived at EDR: 04/16/2007	Telephone: 404-562-9424
Date Made Active in Reports: 05/14/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 28	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Semi-Annually

INDIAN UST R6: Underground Storage Tanks on Indian Land

Date of Government Version: 01/11/2007	Source: EPA Region 6
Date Data Arrived at EDR: 01/12/2007	Telephone: 214-665-7591
Date Made Active in Reports: 01/29/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 17	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land A listing of underground storage tank locations on Indian Land.

Date of Government Version: 12/01/2006	Source: EPA, Region 1
Date Data Arrived at EDR: 12/01/2006	Telephone: 617-918-1313
Date Made Active in Reports: 01/29/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 59	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

Date of Government Version: 12/02/2004	Source: EPA Region 5
Date Data Arrived at EDR: 12/29/2004	Telephone: 312-886-6136
Date Made Active in Reports: 02/04/2005	Last EDR Contact: 05/21/2007
Number of Days to Update: 37	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/19/2007
Date Data Arrived at EDR: 02/27/2007
Date Made Active in Reports: 04/04/2007
Number of Days to Update: 36

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 05/21/2007
Next Scheduled EDR Contact: 08/20/2007
Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

Date of Government Version: 09/06/2006
Date Data Arrived at EDR: 10/04/2006
Date Made Active in Reports: 11/08/2006
Number of Days to Update: 35

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/21/2007
Next Scheduled EDR Contact: 08/20/2007
Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

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

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

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

OTHER DATABASE(S)

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

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 10/26/2006
Date Data Arrived at EDR: 11/29/2006
Date Made Active in Reports: 01/05/2007
Number of Days to Update: 37

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 03/02/2007
Next Scheduled EDR Contact: 05/28/2007
Data Release Frequency: Annually

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

Electric Power Transmission Line Data

Source: PennWell Corporation
Telephone: (800) 823-6277

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

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

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

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

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

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

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

Daycare Centers: Child Care Facilities Database

Source: Department of Education & Early Development

Telephone: 907-465-2800

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

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

State Wetlands Data: Wetlands Inventory Data

Source: Department of Fish & Game

Telephone: 907-465-4100

STREET AND ADDRESS INFORMATION

© 2007 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

ST. MICHAEL AIRPORT
ST. MICHAEL
ST. MICHAEL, AK 99659

TARGET PROPERTY COORDINATES

Latitude (North):	63.48090 - 63° 28' 51.2"
Longitude (West):	162.0421 - 162° 2' 31.6"
Universal Transverse Mercator:	Zone 3
UTM X (Meters):	647321.9
UTM Y (Meters):	7042377.5
Elevation:	48 ft. above sea level

USGS TOPOGRAPHIC MAP

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

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

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

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

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

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

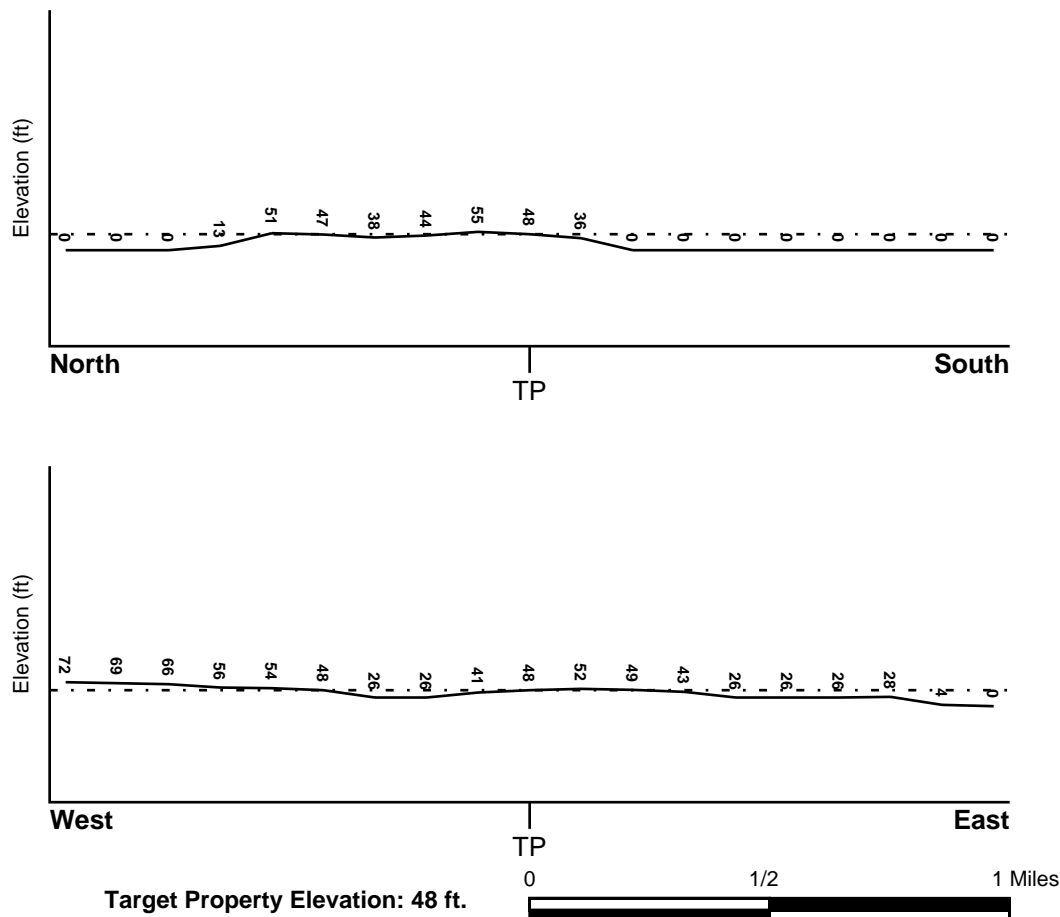
TOPOGRAPHIC INFORMATION

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

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

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

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

FEMA FLOOD ZONE

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

Flood Plain Panel at Target Property: Not Reported

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

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

HYDROGEOLOGIC INFORMATION

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

AQUIFLOW®

Search Radius: 1.000 Mile.

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

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

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

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

ROCK STRATIGRAPHIC UNIT

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

GEOLOGIC AGE IDENTIFICATION

Category: -

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

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

Soil Component Name: HISTIC PERGELIC CRYAQUEPTS

Soil Surface Texture: peat

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

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

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

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	peat	A-8	Highly organic soils, Peat.	Max: 20.00 Min: 6.00	Max: 4.40 Min: 3.60
2	7 inches	19 inches	very gravelly - silt loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 6.00 Min: 2.00	Max: 5.50 Min: 4.50
3	19 inches	60 inches	ice or frozen soil	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

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

Soil Surface Textures: gravelly - silt loam
mucky - silt loam
silt loam
unweathered bedrock

Surficial Soil Types: gravelly - silt loam
mucky - silt loam
silt loam
unweathered bedrock

Shallow Soil Types: very gravelly - loam
silt loam
very gravelly - silt loam
loamy fine sand

Deeper Soil Types: weathered bedrock
fine sand
unweathered bedrock

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile

FEDERAL USGS WELL INFORMATION

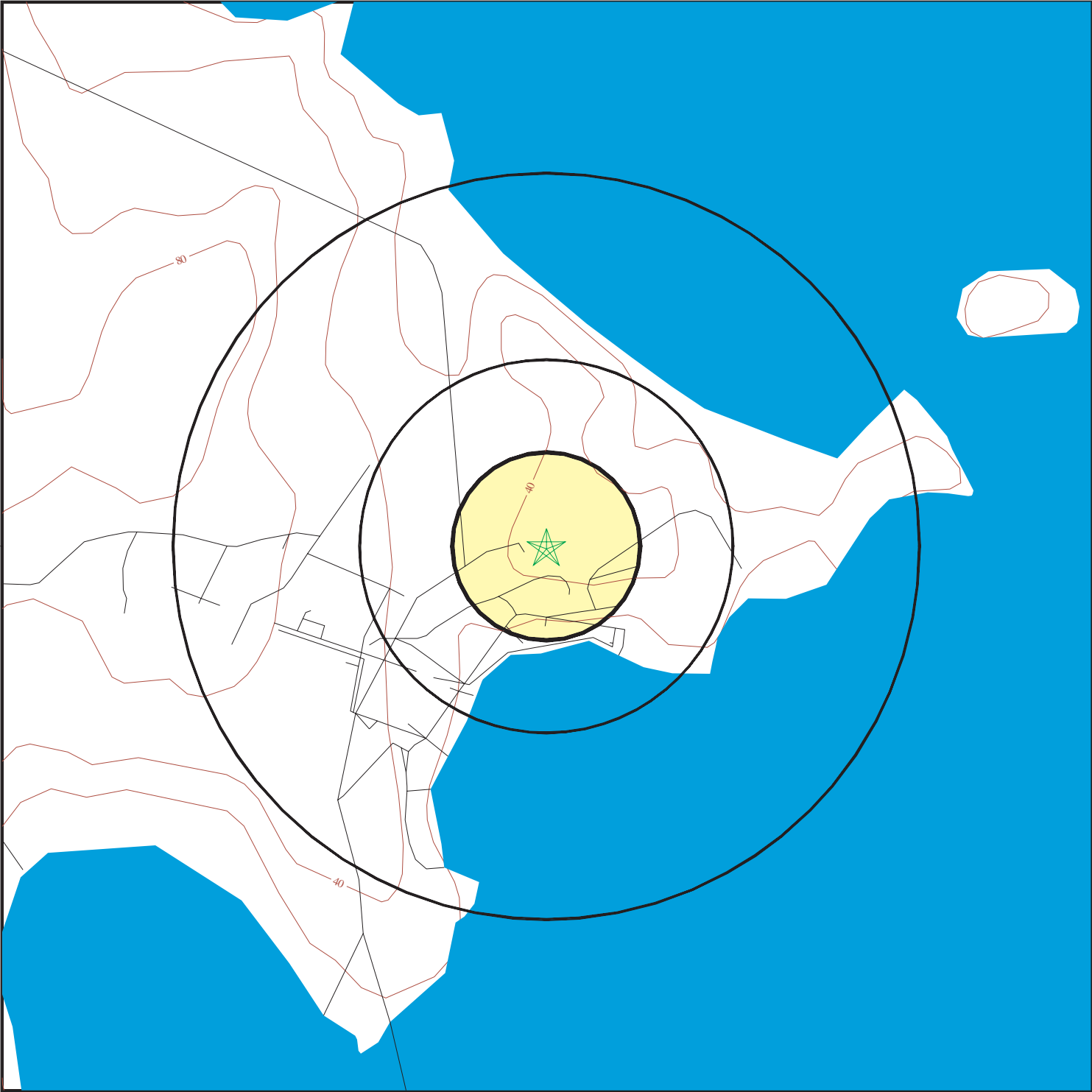
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

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

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

PHYSICAL SETTING SOURCE MAP - 1933765.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location

SITE NAME: St. Michael Airport
ADDRESS: St. Michael
St. Michael AK 99659
LAT/LONG: 63.4809 / 162.0421

CLIENT: SLR Alaska
CONTACT: Mike Hagen
INQUIRY #: 1933765.2s
DATE: May 22, 2007 12:50 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for NOME County: 3

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

: Zone 2 indoor average level \geq 2 pCi/L and \leq 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

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

HYDROLOGIC INFORMATION

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

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

State Wetlands Data: Wetlands Inventory Data

Source: Department of Fish & Game

Telephone: 907-465-4100

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

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

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

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

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

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

SSURGO: Soil Survey Geographic Database

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

Telephone: 800-672-5559

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

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

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

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

OTHER STATE DATABASE INFORMATION

RADON

State Database: AK Radon

Source: University of Alaska Fairbanks

Telephone: 907-474-7201

Radon Information

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRRA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epcenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

STREET AND ADDRESS INFORMATION

© 2007 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

**ENVIRONMENTAL DATA RESOURCES, INC.
HISTORIC TOPOGRAPHIC MAPS AND
SANBORN MAP REPORT**

EDR Historical Topographic Map Report

**St. Michael Airport
St. Michael
St. Michael, AK 99659**

Inquiry Number: 1933765.4

May 22, 2007



EDR® Environmental
Data Resources Inc

The Standard in Environmental Risk Information

440 Wheelers Farms Rd
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

EDR Historical Topographic Map Report

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

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

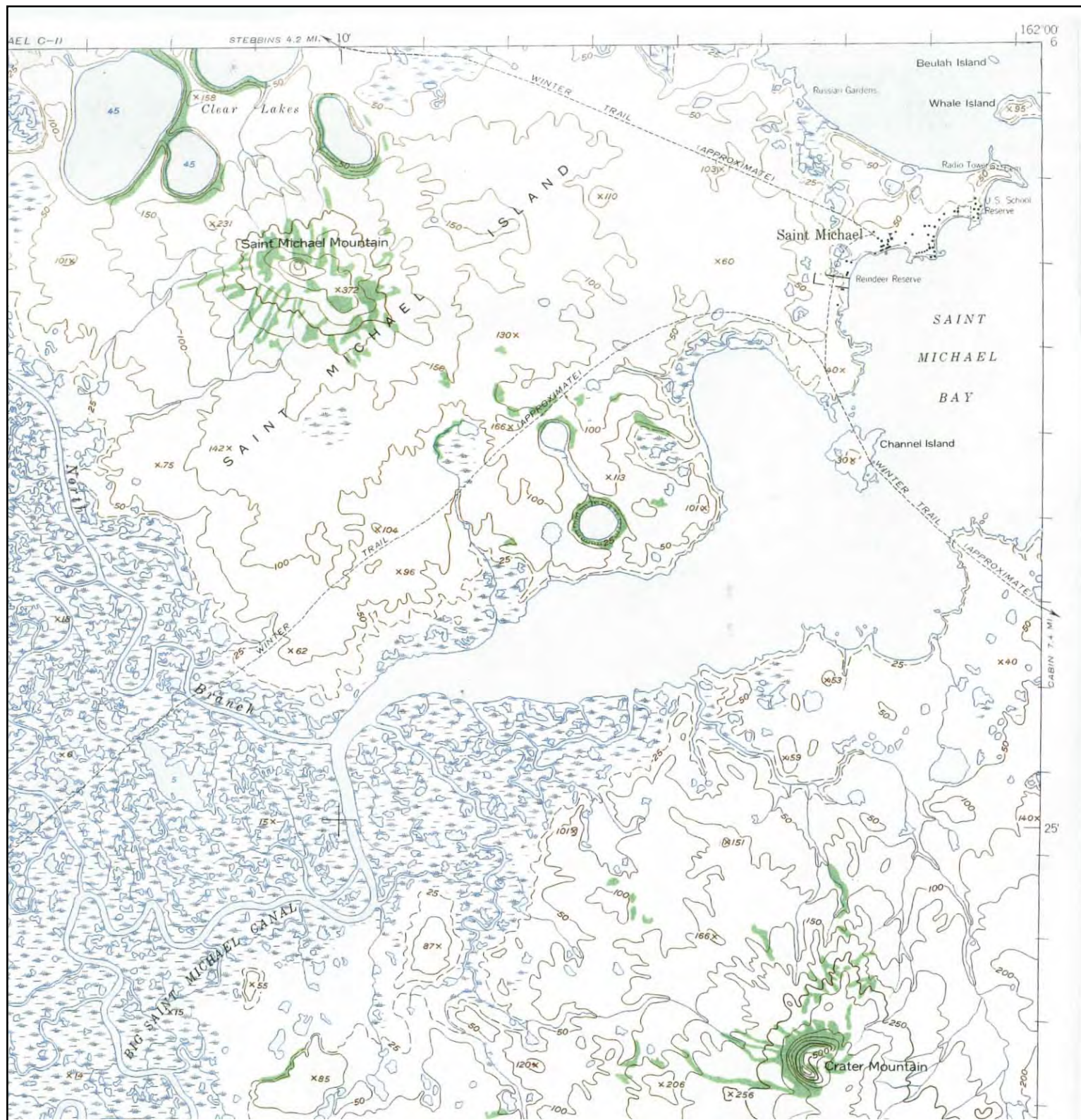
Disclaimer - Copyright and Trademark Notice


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

Copyright 2007 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

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

Historical Topographic Map



<p>N</p> 	<p>TARGET QUAD</p> <p>NAME: Saint Michael (B-1), AK</p> <p>MAP YEAR: 1952</p> <p>SERIES: 15</p> <p>SCALE: 1:63,360</p>	<p>SITE NAME: St. Michael Airport</p> <p>ADDRESS: St. Michael St. Michael, AK 99659</p> <p>LAT/LONG: 63.4809 / 162.0421</p>	<p>CLIENT: SLR Alaska</p> <p>CONTACT: Mike Hagen</p> <p>INQUIRY#: 1933765.4</p> <p>RESEARCH DATE: 05/22/2007</p>

Certified Sanborn® Map Report



Sanborn® Library search results
Certification # E72F-43D0-AEFB

**St. Michael Airport
St. Michael
St. Michael, AK 99659**

Inquiry Number 1933765.3

May 21, 2007



EDR® Environmental
Data Resources Inc

The Standard in Environmental Risk Information

440 Wheelers Farms Rd
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

Certified Sanborn® Map Report

5/21/07

Site Name:

St. Michael Airport
St. Michael
St. Michael, AK 99659

Client Name:

SLR Alaska
4601 Business Park Blvd
Anchorage, AK 99503

EDR Inquiry # 1933765.3

Contact: Mike Hagen



The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by SLR Alaska were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: St. Michael Airport
Address: St. Michael
City, State, Zip: St. Michael, AK 99659
Cross Street:
P.O. # 005.0065.06005
Project: St. Michael
Certification # E72F-43D0-AEFB



Sanborn® Library search results
Certification # E72F-43D0-AEFB

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Total Maps: 0

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☒ Library of Congress
- ☒ University Publications of America
- ☒ EDR Private Collection

Limited Permission To Make Copies

SLR Alaska (the client) is permitted to make up to THREE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

Disclaimer - Copyright and Trademark notice

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

Copyright 2007 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

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

STATEMENT OF LIMITATIONS

STATEMENT OF LIMITATIONS

The conclusions presented in this report are professional opinions based on data described in this report. These opinions have been arrived at in accordance with currently accepted environmental industry standards and practices applicable to the work described in this report. The opinions presented are subject to the following inherent limitations:

1. This report was prepared for the exclusive use of the entity referenced in Section 1.5. No other entity may rely on the information presented in the report without the expressed written consent of SLR.
 2. This Phase I ESA report is subject to the terms and conditions in the SLR proposal referenced in Section 1.4 and in the contract between SLR and its client under which the work was performed. Any use of the Phase I report constitutes acceptance of the limits of SLR's liability specified in the contract. SLR's liability extends only to its client and not to any other parties who may obtain the Phase I report.
 3. SLR derived the data in this report primarily from visual inspections, examination of records in the public domain, and interviews with individuals having information about the Site. The passage of time, manifestation of latent conditions, or occurrence of future events may require further study at the Site, analysis of the data, and reevaluation of the findings, observations, and conclusions in the report.
 4. The data reported and the findings, observations, and conclusions expressed in the report are limited by the scope of work. The scope of work is presented in Section 1.4 and was agreed to by the client.
 5. SLR's Phase I ESA reports present professional opinions and findings of a scientific and technical nature. The report shall not be construed to offer legal opinion or representations as to the requirements of, nor compliance with, environmental laws, rules, regulations, or policies of federal, state, or local governmental agencies.
 6. The conclusions presented in this report are professional opinions based on data described in this report. They are intended only for the purpose, Site location, and project indicated. This report is not a definitive study of contamination at the Site and should not be interpreted as such. An evaluation of subsurface soil and groundwater conditions was not performed as part of this investigation, unless indicated in Section 1.4. No sampling or chemical analyses of structural materials or other media was completed as part of this study unless explicitly stated in Section 1.4.
 7. This report is based, in part, on unverified information supplied to SLR by third-party sources. While efforts have been made to substantiate this third-party information, SLR cannot guarantee its completeness or accuracy.
-

**QUALIFICATIONS OF ENVIRONMENTAL
PROFESSIONALS**

Mr. Watson has over 24 years of professional experience in the petroleum and environmental consulting fields. His environmental experience has focused primarily on providing due diligence services to the commercial real estate industry. This has included site assessment, contamination assessment, cost estimating, and site remediation for commercial, industrial and utility properties. Mr. Watson has assisted several Fortune 100 companies in their site acquisition programs involving hundreds of properties throughout the U.S. and internationally. His areas of responsibility have included project planning, cost estimating, budgeting, contract compliance, and technical review of environmental assessment projects. Mr. Watson has authored and coauthored Phase I and Phase II Environmental Site Assessments (ESAs) involving thousands of real estate transactions, as well as performed peer reviews of similar work performed by other consultants. He has also prepared site characterization reports, Corrective Action Plans (CAPs), and remediation designs for leaking underground storage tanks (LUSTs) and other sources of subsurface contamination. Mr. Watson is also actively involved in the development of standards for the industry through his membership on the ASTM E50 Committee and the 1527 Task Group which produces the ASTM Phase I Practice, as well as other real estate transactional assessment guidelines. Mr. Watson has given numerous presentations at environmental seminars and training sessions, addressing such topics as Environmental Due Diligence, UST Management, Lender Liability, and Corporate Management of Environmental Liability. In addition, Mr. Watson has performed surveys for asbestos-containing materials (ACM), developed management plans, and prepared specifications for ACM abatement. He has also lectured at the Medical College of Virginia EPA-accredited Asbestos Training Series.

Project Experience

- Managed several national programs of Phase I and II ESAs for commercial and light industrial properties throughout the U.S. that involved hundreds of properties per year. Responsible for coordinating services from a large number of office locations in order to produce a consistent deliverable for sites around the country.
- Developed and implemented specifications for petroleum UST removal and closure at over 50 locations for a regional auto repair company.
- Provided LUST services, including management of leak testing, tank removal and disposal, closure reports, and soil and groundwater contamination investigations.
- Conducted compliance audits for light industrial facilities, including review of hazard communication procedures, status of required permitting, and development of baseline assessments for future monitoring.
- Developed and implemented a personnel monitoring protocol for construction workers in a potentially hazardous environment of naturally occurring asbestos.
- Provided project administration, including the preparation of specifications and bid documents, for the abatement of asbestos in an occupied, 12-story office building.
- Responsible for all aspects of the development and operation of a regional environmental consulting and contracting firm. Services provided included removal and closure of USTs, testing and disposal of hazardous wastes, application for state reimbursement of UST cleanup costs, and site characterization studies of contaminated UST sites.

EUGENE T. WATSON, P.G.
PRINCIPAL SCIENTIST



- Responsible for the technical and administrative management for an environmental consulting and engineering company's Environmental Services Department. Developed the company's protocol for UST management under the newly implemented Virginia UST regulations. Introduced asbestos management services to the branch.
- Served as Vice President of Engineering and Production for an oil and gas exploration and production company, responsible for all engineering and production matters involved in the production of oil and gas from fields in Pennsylvania and Virginia.
- Served as Senior Geological Engineer performing geological assessments of known petroleum producing areas with the objective of developing additional reserves or improving production results.

Education

M.S. Geological Engineering, 1980, University of Missouri – Rolla
B.A. Environmental Sciences, 1977, University of Virginia

Professional Memberships

Environmental Bankers Association
National Ground Water Association
American Association of Petroleum Geologists

Professional Certifications and Registrations

Registered Professional Geologist, Virginia (No. 724), 1989
40-Hour Health & Safety Certification (29 CFR 1910.120), 1990
8-Hour OSHA Health & Safety Annual Refresher, annually

Mr. Hagen has over 10 years of experience in the environmental consulting field. He has specific experience with project management, site investigation activities, drilling operations and aspects of Title V Air Permit compliance and permitting oil discharge prevention and contingency plans. His field experience includes sample collection for surface water, soil, soil-gas, and ground water samples, as well as installation, development and sampling of shallow ground water monitoring wells and deep multi-zoned ground water monitoring wells. He has conducted work throughout Alaska while supervising laboratory, drilling, and excavator contractors and scheduled and coordinated field events, developed project scope and proposals and prepared investigation reports.

SELECTED TECHNICAL & MANAGEMENT EXPERIENCE

- Project Manager for 2006 compliance certification for the Title V Air Quality Operating Permit at the Valdez Marine Terminal for Alyeska Pipeline Service Company.
- Project Manager for 2006 Unocal Cook Inlet Vessel Operations Oil Discharge Prevention and Contingency Plan rewrite and renewal.
- Assisted in scenario development for the 2006 ConocoPhillips North Slope Exploration Oil Discharge Prevention and Contingency Plan.
- Performed pipeline cross-section analysis of selected BP sales oil pipelines on North Slope. Responsibilities included delineation of selected pipeline segments in order to evaluate RPS calculations for North Slope ODPCP Plans.
- Assisted in the preparation of spill prevention, control, and countermeasures plans for Alyeska Pipeline Service Company.
- Project Geologist for the Northern Dynasty Mineral Inc. Pebble project. Coordinated and communicated with helicopter, laboratory, and surveying contractors. Field responsibilities included supervision of the drilling contractor, logging core on ODEX and mud rotary drilling systems, collecting geotechnical samples and data, performing well response tests, installing monitoring wells and piezometers, and collecting ground water and soil samples. The project also required training local hire and SLR personnel to complete ground water investigation tasks.
- Project geologist for a variety of Phase II environmental site investigations in both Idaho and Alaska. Responsibilities included proposals, scope development, and field activities including sample collection, supervision of contractors, monitoring well installations, and investigation result analyses and reporting.
- Project manager for 300+ Phase I Environmental Site Assessments, site characterizations, release investigations, UST closures, geotechnical engineering reports, corrective and remedial actions, spill prevention, and control and countermeasure plans in three states over 10 years.
- Performed field investigation and interim corrective actions at a fish processing facility in Togiak, Alaska. Responsibilities included oversight of excavation activities, soil classification, soil sampling and groundwater sampling.

- Project Manager conducting annual soil gas survey of buried valves along the Trans Alaska Pipeline. Fieldwork activities include coordination with Alyeska personnel, laboratory coordination, soil gas parameter measurements, groundwater and soil gas sample collection and reporting.
- Managed Environmental Services Department for real estate services firm. Duties included all management of all personnel, proposals, professional services, marketing, and profit / loss. Conducted various environmental activities including Phase I and II Environmental Site Assessments, Asbestos Surveys and Underground Storage Tank Removal and Closure, monitoring well installations, and report generation.
- Operations manager for Environmental Consulting and Materials Testing and Inspection firm. Duties included a variety of Phase I, II and III Site Assessments, geotechnical engineering investigations, groundwater monitoring studies, Risk Based Corrective Action reports, and materials testing and inspection reports.
- Managed laboratory duties for pesticide and herbicide testing program on groundwater samples for the Idaho Statewide Groundwater Quality Monitoring Program. Assisted in well selection, aquifer characterization and analysis for the Statewide program. Provided data management and groundwater analysis in Surfer computer application.

EDUCATION

B.S, Geology, Boise State University

PROFESSIONAL MEMBERSHIPS

Alaska Association of Environmental Professionals
Alaska Ground Water Association
Geological Society of America

TRAINING

40-hour OSHA Hazardous Waste Operations and Emergency Response Training, 2005
8-Hour OSHA Hazardous Waste Operations and Emergency Response Refresher, April 2006, and subsequent refresher courses
North Slope Health and Safety Training, May 2006
H₂S Awareness Training, May 2006
Geospatial GIS Courses; Arcview I and ArcGIS I, 2004
24-hour AHERA and NESHAPS Asbestos Inspector Training, 2000
Troxler Course for Nuclear Testing Equipment, 2000
Standard First Aid; American Red Cross First Aid/CPR, 1996, 2006
Agrochemical and Pesticide Safety Course, 1996